United States Army
Fort Monmouth, New Jersey

Remedial Investigation Report

M-14 Landfill Site

Fort Monmouth, New Jersey

August 12, 2005

REMEDIAL INVESTIGATION REPORT
FOR THE M-14 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

PREPARED FOR:

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

PREPARED BY:

4700 S. McClintock Drive, Suite 150
Tempe, AZ 85282
480-838-5352

August 12, 2005

VERSAR PROJECT NO. 4936.116

TABLE OF CONTENTS

EXECUTIVE SUMMARY.....i

1.0.INTRODUCTION.....**1-1**

1.1 Objectives.....1-1
1.2 Report Organization.....1-1

2.0.SITE BACKGROUND AND ENVIRONMENTAL SETTING.....**2-1**

2.1 Site Location and Description.....2-1
2.2 Site Background.....2-1
2.3 Current Conditions.....2-3
2.4 Environmental Setting.....2-3
2.4.1 Regional Geology.....2-3
2.4.2 Hydrogeology.....2-5
2.4.3 Aquifer Classification.....2-6
2.4.4 Soils.....2-7
2.4.5 Topography and Surface Drainage.....2-8

3.0.SITE ACTIVITIES.....**3-1**

3.1 Groundwater Sampling Activities.....3-1
3.2 Surface Water Sampling Activities.....3-2
3.3 Groundwater Depth Measurements.....3-3

4.0.SITE PHYSICAL CHARACTERISTICS.....**4-1**

4.1 Lithology.....4-1
4.2 Ground Water Flow Direction.....4-1

5.0.SITE CHEMICAL CHARACTERIZATION.....**5-1**

5.1 Groundwater Sampling Results.....5-1
5.1.1 Volatile Organic Compounds.....5-2
5.1.2 Semi Volatile Compounds.....5-2
5.1.3 Pesticides and PCBs.....5-2
5.1.4 TAL Metals.....5-2
5.2 Surface Water Sampling Results.....5-3
5.3 Contaminants of Concern.....5-4
5.4 Quality Assurance/Quality Control.....5-5

6.0.CONCLUSIONS.....**6-1**

7.0.REFERENCES.....**7-1**

TABLES

Table 2-1 Well Construction Summary
Table 3-1 Groundwater Sampling Summary
Table 3-2 Surface Water Sampling Summary
Table 3-3 Groundwater Elevation Summary
Table 4-1 Data for Cross Section A-A'
Table 5-1 Groundwater Sampling Results
Table 5-2 Surface Water Sampling Results
Table 5-3 Determination of Contaminants of Concern

FIGURES

Figure 2-1 Site Location Map
Figure 2-2 Site Map
Figure 2-3 Monitoring Well Location Map
Figure 2-4 Geologic Map of New Jersey
Figure 2-5 Class IIIA - Aquitards of the New Jersey Coastal Plains
Figure 2-6 Geologic Cross-Section
Figure 2-7 Outcrop and Thickness of the Composite Confining Unit
Figure 2-8 Soils Map of Monmouth County
Figure 3-1 Surface Water Sample Location Map
Figure 4-1 Geologic Cross Section Location Map
Figure 4-2 Geologic Cross Section A-A'
Figure 4-3a Groundwater Contour Map (May-00)
Figure 4-3b Groundwater Contour Map (Aug-00)
Figure 4-3c Groundwater Contour Map (Sep-00)
Figure 4-3d Groundwater Contour Map (Oct-00)
Figure 4-3e Groundwater Contour Map (Nov-00)
Figure 4-3f Groundwater Contour Map (Jan-01)

APPENDICES

Appendix A M-14 Site Investigation, Roy F. Weston, Inc., 1995
Appendix B Boring Logs and Monitoring Well Construction Records
Appendix C Site Photographs
Appendix D Groundwater Laboratory Data Sheets
Appendix E Surface Water Laboratory Data Sheets

EXECUTIVE SUMMARY

VERSAR, Inc. (VERSAR) has been contracted by the United States (U.S.) Army Installation, Fort Monmouth (Fort Monmouth), Directorate of Public Works (DPW), Fort Monmouth, New Jersey to prepare a Remedial Investigation Report (RIR) for the M-14 Landfill site located on the Main Post Area of Fort Monmouth. This report addresses the remedial investigation activities conducted at this site between June 1997 and January 2001.

The M-14 Landfill site occupies approximately 6.9 acres (300,000 square feet) on the Main Post Area of Fort Monmouth in an area bounded by the M-12 Landfill to the south, Murphy Drive to the west and north of the Husky Brook. The historical use of the M-14 Landfill site was mainly utilized in 1965 and 1966 for the disposal of building rubble. The top cover is composed of dredgings from Husky Brook Lake. The bank of Husky Brook contains trees, bramble and small vegetation upstream and large rocks downstream.

The Weston report, *Site Investigation, Fort Monmouth, New Jersey, Main Post and Charles Wood Areas, Site Investigation Report* (December 1995) presents the results of field investigation activities that were performed at 13 sites at the Main Post Area and eight sites at the Charles Wood Area. The results of the investigation of the M-14 Landfill site are included in the Weston Site Investigation (SI) report. The field investigation activities included geophysical investigation, surface water sampling, groundwater monitoring well installation and sampling, and tidal monitoring. The Weston SI report was used as the basis for the supplemental remedial investigations described in the following sections of this report.

A total of six groundwater monitoring wells comprise the quarterly groundwater monitoring program conducted by the DPW at M-14 Landfill site. Five monitoring wells were installed in the southern portion of the M-14 Landfill site along the banks of the Husky Brook, and one monitoring well was installed in the northwestern section of the site.

The two groundwater samples collected by Weston in February and March of 1995 were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), cyanide and Target Analyte List (TAL) metals. According to the Weston SI report, no VOCs, SVOCs, pesticides, PCBs or cyanide were detected. Of the 17 TAL metals detected in groundwater, four (aluminum, iron, manganese and lead) were detected in concentrations above the New Jersey Department of Environmental Protection (NJDEP) Groundwater Quality Criteria (GWQC) but below the site-specific and Monmouth County Maximum Background Concentrations (MBCs). Surface water samples collected by Weston on December 1, 1994, were analyzed for VOCs, SVOCs, pesticides, PCBs and TAL metals. Surface water sampling was conducted at two surface water sampling location points M14SW-1

and M14SW-2. No VOCs, SVOCs, pesticides, PCBs or TAL metals were detected above NJDEP Surface Water Qulaity Standards (SWQS).

Weston concluded that the groundwater and surface water samples results for the M-14 Landfill site indicate that no COCs were detected above the NJDEP GWQC or SWQS. The Weston SI report recommended that the DPW implement a long-term groundwater monitoring program at the M-14 Landfill site, due to the historical use of the site as a landfill. This Remedial Investigation was undertaken to assess the groundwater quality at the M-14 Landfill site and verify that no COCs exist within the M-14 Landfill site groundwater.

As a part of the RI, a quarterly groundwater sampling program was conducted by the DPW at the M-14 Landfill site. Groundwater samples were collected during 16 rounds of sampling from June 1997 to January 2001 and were analyzed for VOCs, SVOCs, pesticides, PCBs and TAL metals. Two additional low-flow sampling rounds were analyzed for TAL metals which are addressed separately below. A total of 115 samples were collected as a part of the groundwater sampling program.

A quarterly surface water sampling program was conducted by the DPW at the M-14 Landfill site in order to determine whether contamination of groundwater at the M-14 Landfill site has impacted nearby surface water. Surface water samples were collected during 22 quarterly sampling events and analyzed for VOCs plus 15 parameters and various wet chemistry parameters. A total of 65 surface water samples were collected from three stream locations (SS-9, SS-19 and SS-12).

Based on the results of the groundwater quality evaluation, no SVOCs pesticides or PCBs were detected in groundwater at the M-14 Landfill site above the NJDEP GWQC. One VOC was detected above the NJDEP GWQC in one well during one round of groundwater sampling. The detection of one VOC in one well during one round of groundwater sampling at the M-14 Landfill site is considered to be isolated and marginal.

There were 12 metals detected in groundwater samples collected from the M-14 Landfill site at concentrations exceeding the NJDEP GWQC. However, none of these metals are considered to be COCs in site groundwater due to the process of elimination via categorization of background metals, reduction in concentration or non-detection of samples by low-flow sampling and elimination of isolated or marginal detections.

There was one COC within the surface water samples but was not identified within the groundwater and is considered a common laboratory contaminant. Therefore, no COCs exist within the groundwater and NFA is required concerning the groundwater at the M-14 Landfill site.

1.0 INTRODUCTION

VERSAR has been contracted by the U.S. Army Installation, Fort Monmouth DPW, Fort Monmouth, New Jersey to prepare an RIR for the M-14 Landfill site located on the Main Post Area of Fort Monmouth. This report addresses the remedial investigation activities conducted at this site between June 1997 and January 2001.

1.1 Objectives

The objective of this RI is to determine aquifer chemical and physical characteristics and to determine whether further remedial investigation or remedial action is required within the M-14 Landfill site groundwater. The remedial investigation was conducted in accordance with New Jersey Administrative Code (NJAC) 7:26E - *Technical Requirements for Site Remediation* (July 1999).

The remedial investigation and subsequent preparation of the RIR encompassed the following:

- Characterization of groundwater quality over time through quarterly groundwater sampling events conducted between June 1997 and January 2001.
- Characterization of surface water quality overtime through surface water sampling events conducted between October 1996 and February 2001.
- Investigation and evaluation of the designated aquifer uses, the associated aquifer classification, and the appropriate groundwater quality criteria for groundwater resources beneath the M-14 Landfill site. The NJDEP Groundwater Quality Standards (GWQS) specify the quality criteria and designated uses for groundwater and also contain technical and general policies to ensure that the designated uses can be adequately protected.
- Comparison of the results of the groundwater and surface water quality and monitoring programs with the NJDEP GWQC and SWQS.
- Formulation of a No Further Action (NFA) proposal for consideration by the NJDEP based on the results of field and laboratory investigations and evaluation of the hydrogeologic conditions at the M-14 Landfill site.

1.2 Report Organization

This report is organized to minimize repetition. The findings of the Roy F. Weston Inc. (Weston) report entitled, *Site Investigation, Fort Monmouth, New Jersey, Main Post and Charles Wood Areas, Site Investigation Reports* (December 1995), were used as the basis for this remedial investigation program. **Section 2.0** provides background information and a general description of the M-14 Landfill site located at the Fort Monmouth Main

Post Area which a large portion was provided by Weston (1995). **Section 3.0** describes and summarizes the RI field activities conducted at the M-14 Landfill site, including the groundwater and surface water sampling. **Section 4.0** presents the physical characterization of the M-14 Landfill site including the lithology and groundwater conditions. The site chemical characterization is presented in **Section 5.0**, which includes groundwater and surface water sample results and the determination of potential COCs. Conclusions and a recommendation for NFA for groundwater at the M-14 Landfill site are included in **Section 6.0**. References used to prepare this RIR are listed in **Section 7.0**.

2.0 SITE BACKGROUND AND ENVIRONMENTAL SETTING

The following sections describe the site background and environmental setting of the area surrounding Fort Monmouth and the M-14 Landfill site. Included is a description of the site location, background, current conditions and environmental setting.

2.1 Site Location and Description

Fort Monmouth is located in the central-eastern portion of New Jersey in Monmouth County, approximately 45 miles south of New York City and 70 miles northeast of Philadelphia (**Figure 2-1**). In addition to the Main Post, the installation includes two subposts, the Charles Wood Area and the Evans Area. The Main Post encompasses approximately 630 acres and is generally bounded by State Highway 35, Parkers Creek, Lafetra Creek, the New Jersey Transit Railroad and a residential area to the south. The post was established in 1918 during World War I (WWI) 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-14 Landfill site occupies approximately 6.9 acres (300,000 square feet) on the Main Post Area of Fort Monmouth in an area bounded by the M-12 Landfill to the south, Murphy Drive to the west and north of the Husky Brook. The historical use of the M-14 Landfill site was mainly utilized in 1965 and 1966 for the disposal of building rubble. The top cover is composed of dredgings from Husky Brook Lake. The bank of Husky Brook contains trees, bramble and small vegetation upstream and large rocks downstream (**Figure 2-2**). Portions of Husky Brook have been repaired/restored as part of a streambank landfill project.

2.2 Site Background

The U.S. Army Corps of Engineers (USACE), Baltimore District, initially contracted Weston to perform a field investigation at Fort Monmouth, New Jersey. This investigation was conducted at two separate areas of Fort Monmouth, the Main Post and the Charles Wood areas. Suspected hazardous waste sites were initially identified at Fort Monmouth in a report prepared by the U.S. Army Toxic and Hazardous Materials Agency (USATHAMA, 1980). The USATHAMA report identified 37 sites with known or suspected waste materials on the Main Post and the two subposts (Charles Wood and Evans Area). A background investigation was conducted by Weston of the 37 sites and eight additional sites that were identified by Fort Monmouth and the NJDEP. Weston's findings were described in a report titled, *Investigation of Suspected Hazardous Waste Sites at Fort Monmouth, New Jersey* (1993). In this background report, additional investigations (including sampling and other field work) were recommended at 22 of the sites on the Main Post and Charles Wood areas, including the M-14 Landfill site. NJDEP

approved the recommendations on April 20, 1995. Additional investigations were also recommended at the Evans Area, and such investigations are being completed under the Base Realignment and Closure (BRAC) program.

The Weston report, *Site Investigation, Fort Monmouth, New Jersey, Main Post and Charles Wood Areas, Site Investigation Report* (December 1995) presents the results of field investigation activities that were performed at 13 sites at the Main Post Area and eight sites at the Charles Wood Area. The results of the investigation of the M-14 Landfill site are included in the Weston SI report. Initial field investigation activities were performed between November 1994 and March 1995. The field investigation activities included geophysical investigation, surface water sampling, groundwater monitoring well installation and sampling, and tidal monitoring. The Weston SI report was used as the basis for the supplemental remedial investigations described in the following sections of this report (**Appendix A**).

A total of six groundwater monitoring wells (M14-MW19, M14-MW20, M14-MW21, M14-MW22, M14-MW23 and M14-MW24) comprise the quarterly groundwater monitoring program conducted by the DPW at M-14 Landfill site. Five monitoring wells (M14-MW19, M14-MW21, M14-MW22, M14-MW23 and M14-MW24) were installed in the southern portion of the M-14 Landfill site along the banks of the Husky Brook, one monitoring well (M14-MW20) was installed in the northwestern section of the site. Wells M14-MW19, M14-MW20 and M14-MW21 were installed by J.C. Anderson in January 1995. Wells M14-MW22 and M14-MW23 were installed by Lutz Environmental, Inc. in November 1999 and M14-MW24 was installed in March of 2000. The wells were constructed with 4-inch diameter 10 Slot PVC ranging to depths of 14.5-18 feet below ground surface (bgs). The monitoring well construction details are presented in **Table 2-1.** Well boring logs and monitoring well construction records are provided in **Appendix B**. The locations of the six monitoring wells at the M-14 Landfill site are presented in **Figure 2-3**.

The three groundwater samples collected from MW19, MW20, and MW21 by Weston in February and March of 1995 were analyzed for VOCs, SVOCs, pesticides, PCBs, cyanide and TAL metals. According to the Weston SI report, no VOCs, SVOCs, pesticides, PCBs or cyanide were detected. Of the 17 TAL metals detected in groundwater, four (aluminum, iron, manganese and lead) were detected in concentrations above the NJDEP GWQC criteria but below the site-specific and Monmouth County MBCs. Surface water samples collected by Weston on December 1, 1994, were analyzed for VOCs, SVOCs, pesticides, PCBs and TAL metals. Surface water sampling was conducted at two surface water sampling location points M14SW-1 and M14SW-2 (**Appendix A**). No VOCs, SVOCs, pesticides, PCBs or TAL metals were detected above NJDEP SWQS.

Weston concluded that the groundwater and surface water samples results for the M-14 Landfill site indicate that no COCs were detected above the NJDEP GWQC or SWQS. The Weston SI report recommended that the DPW implement a long-term groundwater

monitoring program at the M-14 Landfill site, due to the historical use of the site as a landfill. This RI was undertaken to assess the groundwater quality at the M-14 Landfill site and verify that no COCs exist within the M-14 Landfill site groundwater (**Appendix A**).

To demonstrate compliance equivalence of the existing soil cover over the M-14 Landfill Site with respect to the Solid Waste Disposal Act of 1965, DPW characterized the near-surface soils (6 to 24 inches in depth) using 119 borings installed at strategic locations over the site. DPW performed soil borings and obtained 238 soil samples between December 1998 and January 1999. All soil samples were analyzed for TCL Organics and TAL metals. The results are presented in the Versar report, *Remedial Investigation Report for Near-Surface Soils M-14 Landfill Site* (March 2004).

As stated in this report, concentrations of SVOCs, pesticides and metals were detected exceeding the NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC). In all cases, further analysis of the analytical results did not define a "source area" or level of contamination that necessitated the identification and evaluation of potential remedial actions. Where applicable and appropriate, the data were evaluated utilizing the "compliance averaging" approach to determine compliance with NJDEP RDCSCC. In most cases, either the calculated compliance average was below the respective RDCSCC or the exceedence was considered marginal. However, to address the exceedences of analytes that did not meet cleanup criteria in the near surface soils, the DPW proposed to incorporate a document equivalent to a Declaration of Environmental Restriction (DER) into the Fort Monmouth Master Plan for soils at the site. Based on these results, the Army requested a ***No Further Action*** determination for these parameters in soils at the M-14 Landfill site.

2.3 Site Conditions

VERSAR conducted a site walk on June 20, 2001 to assess current conditions at the M-14 Landfill site. The site is located on the north side of Husky Brook, consists of an open field with some trees. This area was landscaped, with the grass cut and the trees pruned. On the eastern side of the site is a playground. Site photographs are provided in **Appendix C**.

2.4 Environmental Setting

The following is a description of the geological/hydrogeological setting of the area surrounding the M-14 Landfill site. Included is a description of the regional geology and hydrogeology of the area surrounding Fort Monmouth, as well as descriptions of the local geology and hydrogeology of the Main Post Area.

2.4.1 Regional Geology

Monmouth County lies within the New Jersey Section of the Atlantic Coastal Plain physiographic province. The M-14 Landfill site is located in what may be referred to as

the Outer Coastal Plain subprovince, or the Outer Lowlands. The geologic map of New Jersey is provided as **Figure 2-4**.

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 10-60 feet per mile and were deposited on Precambrian and lower Paleozoic rocks (Zapecza, 1989). These sediments, predominantly derived from deltaic, shallow marine and continental shelf environments, date from Cretaceous through the Quaternary Periods. The mineralogy ranges from quartz to glauconite.

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

Based on the regional geologic map (Jablonski, 1968), the Cretaceous age Red Bank and Tinton Sands outcrop at the Main Post area. The Red Bank Sand conformably overlies the Navesink Formation and dips to the southeast at 35 feet per mile. The upper member (Shrewsbury) of the Red Bank Sand is a yellowish-gray to reddish brown clayey, medium-to-coarse-grained sand that contains abundant rock fragments, minor mica and glauconite (Jablonski). The lower member (Sandy Hook) is a dark gray to black, medium-to-fine grained sand with abundant clay, mica and glauconite.

The Tinton Sand conformably overlies the Red Bank Sand and ranges from a clayey medium to very coarse-grained feldspathic-quartz and glauconite-sand to a glauconitic-coarse sand. The color varies from dark yellowish orange or light brown to moderate brown and from light olive to grayish olive. Glauconite may constitute 60-80 percent of the sand fraction in the upper part of the unit. The upper part of the Tinton is often highly oxidized and iron oxide encrusted (Minard, 1969). Groundwater occurs beneath the site at a depth of approximately 2-12 feet bgs.

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 feet 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 brown silt in Monmouth County (Jablonski, 1968).

As presented in the *Site Investigation Report - Main Post and Charles Wood Areas, Fort Monmouth, New Jersey*, prepared by 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.

As presented in the Weston SI, the boring logs from monitoring well installations at the M-14 Landfill site indicate that the lithology consists of a thin soil cover (0.4 feet) underlain by alternating layers of reworked sand, silt, trace of clay and gravel with broken concrete gravel pieces with interbedded plant/root fragments. Borehole logs also represent a lithology consisting of a gray-green silty fine to coarse grained sand. Groundwater saturation was observed 4-6 feet bgs at each well location during drilling activities at the M-14 Landfill site. Water-level elevation data collected during the Weston SI indicate that local groundwater flow is south toward Husky Brook.

2.4.2 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, Tinton and Hornerstown Sands) is dominated by calcium, magnesium, manganese, aluminum and iron. The sediments in the area of Fort Monmouth were deposited in fluvial-deltaic to near shore environments.

The water table aquifer in the Main Post Area is identified as part of the "Navesink-Hornerstown Confining Units," or minor aquifers. The minor aquifers include the Navesink formation, Red Bank Sand, Tinton Sand, Hornerstown Sand, Vincentown Formation, Manasquan Formation, Shark River Formation, Piney Point Formation and the basal clay of the Kirkwood Formation. These geologic formations comprise a "Composite Confining Bed" for the Wenonah Mount Laurel Aquifer (Zapecza, 1984).

Wells installed in the Red Bank and Tinton Sands produce 2-25 gallons per minute (gpm) (Jablonski, 1968). Groundwater is typically encountered at the Main Post and in the surrounding areas at shallow depths below ground surface (2-9 feet bgs). Water in the surficial aquifer generally flows east toward the Atlantic Ocean.

Based on a review of the NJDEP GWQS (NJAC 7:9-6), January 7, 1993, Versar has determined that the site is underlain by a Class III-A aquifer. A formal presentation of this finding was made to the NJDEP on April 17, 2001. The primary designated use for Class III-A groundwater is the release or transmittal of groundwater to adjacent

classification areas and surface water, as relevant. Secondary designated uses in Class III-A include any reasonable use. Further discussion of the Class III-A aquifer classification is presented in **Section 2.4.3.**

Shallow groundwater may be locally influenced within the Main Post Area by the following factors:

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

Due to the fluvial nature of the overburden deposits (e.g., sand and clay lenses), shallow groundwater flow direction is best determined on a case-by-case basis. The groundwater flow in the vicinity of the M-14 Landfill site is assumed to be south toward Husky Brook.

2.4.3 Aquifer Classification

On review of the NJDEP GWQS (N.J.A.C. 7:9-6), January 7, 1993, the site is underlain by a Class III-A aquifer **(Figure 2-5)**. The primary designated use for Class III-A ground water is the release or transmittal of groundwater to adjacent classification areas and surface water, as relevant. Secondary designated uses in Class III-A include any reasonable uses. For an area to be classified as a Class III-A aquifer, the ground water must meet the following characteristics:

- Class III-A ground water includes portions of the saturated zones (that meet the criteria below) of the Woodbury Formation, Merchantville Formation, Marshalltown Formation, Navesink Formation, Hornerstown Formation, aquitard formations of the Potomac-Raritan-Magothy aquifer system and the Kirkwood aquifer system, portions of the glacial moraine and glacial lake deposits, and other geologic units having the characteristics of an aquitard. Class III-A areas have the following characteristics (N.J.A.C. 7:9-6.5):

    - The average thickness of a Class III-A area must be at least 50 feet.
    - Typical hydraulic conductivity of a Class II-A aquifer is approximately 0.1 feet per day or less.
    - The aerial extent defined as Class III-A must be at least 100 acres.

The shallow aquifer at Fort Monmouth meets each of the four criteria listed above. These criteria are discussed below

- As presented in **Figure 2-6**, Fort Monmouth is located within the outcrop area of the "Navesink-Hornerstown Confining Unit." The Navesink and Hornerstown Formations are part of the Composite Confining Unit (Martin, 1998), which also includes the Red Bank Sand, Tinton Sand, Vincentown Formation, Manasquan Formation, Shark River Formation, Piney Point Formation, and the basal clay of the Kirkwood Formation (see **Section 2.4.2**).
    - **Figure 2-7** also illustrates the thickness of the Hornerstown-Navesink Confining Unit, which in the vicinity of Fort Monmouth, is approximately 125 feet.

- Published hydraulic conductivities (Martin, 1998) for the Navesink-Hornerstown Confining Unit, yielding a geometric mean of 0.12 feet per day.

- The area of Fort Monmouth is greater than 100 acres.

The groundwater flow in the vicinity of the M-14 Landfill Site is assumed to be to the south towards Husky Brook.

2.4.4 Soils

According to the U.S. Department of Agriculture (USDA), Soil Conservation Service, Monmouth County Soil Survey, the majority of the Main Post Area is covered by urban land (**Figure 2-8**). 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 2-5 percent slopes);
- FrB Freehold sandy loam (with 2-5 percent slopes);
- FUB Freehold sandy loam/urban land complex (with 0-10 percent slopes);
- HV Humaquepts, frequently flooded;
- KvA Kresson loam (with 0-5 percent slopes);
- UA Udorthents, smoothed; and
- UD Udorthents – urban land complex (with 0-3 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. The soils in the vicinity of the M-14 Landfill site are classified as UA- Udorthents, smoothed.

2.4.5 Topography and Surface Drainage

Over the last 80 years, the natural topography of Fort Monmouth has been altered by excavation and filling activities by the military. The M-14 Landfill site is located on the floodplain of Mill Creek. The USGS topographic map (**Figure 2-1**) shows that the land surface of the site is relatively flat at an elevation of less than 20 feet above mean sea level (amsl).

Surface water bodies from the western part of the Main Post flow into the Lafetra Creek to the north or into Mill Creek to the south. The USGS topographic map (**Figure 2-1**) shows the Lafetra Creek as Parkers Creek Branch and Mill Creek as Wampum. Both Mill Creek 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 site. 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. The M-14 Landfill site is located north of the Husky Brook. Surface water runoff from the M-14 Landfill site is likely to flow south into the Husky Brook.

3.0 SITE ACTIVITIES

Fort Monmouth DPW conducted RI activities at the M-14 Landfill site, including quarterly groundwater and surface water sampling programs. The purpose of this remedial investigation was to define the areal extent of potential pollutants and evaluate impacts to groundwater in the vicinity of the M-14 Landfill site. Remedial groundwater investigation activities were conducted from June 1997 and continued through January 2001. Remedial surface water investigation activities were performed from October 1996 through February 2001. These activities were managed by the Fort Monmouth DPW and performed by TECOM-Vinnell Services (TVS) and reported by VERSAR. The details of remedial investigation activities that occurred at the M-14 Landfill site are described in the following sections.

3.1 Groundwater Sampling Activities

As a part of the RI, a quarterly groundwater sampling program was conducted by the DPW from June 1997 through January 2001, at the M-14 Landfill site. Sampling activities were performed in accordance with the *Fort Monmouth Standard Sampling Operating Procedure* (1997).

Groundwater samples were collected during 16 rounds of sampling and were analyzed for VOCs, SVOCs, pesticides, PCBs and TAL metals. Two additional low-flow sampling rounds were analyzed for TAL metals which are addressed separately below. A total of 115 samples were collected as a part of the groundwater sampling program. The groundwater samples were collected from a total of six 4-inch diameter monitoring wells (M14-MW19 through M14-MW24) (**Figure 2-3**).

Copies of the chain-of-custody forms for the laboratory analyses can be found in **Appendix D**. A summary of the groundwater sampling activities, including rounds, well IDs, sample IDs, sample locations, collection/analysis date, analytical parameters and analysis method, is provided in **Table 3-1**. The results of these analyses are discussed in **Section 5.0.**

As presented in the Weston SI report (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 metals concentrations at the site. Using a low-flow sampling methodology to reduce the presence of entrained sediment has generally 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 at Fort Monmouth sites. 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. However, the native metal constituents (e.g., those indigenous to the soil types present at Fort Monmouth) were consistently present in the groundwater, even when low flow sampling methodology was employed.

In consideration of the potential benefits of the low-flow sampling procedure, two additional rounds of low-flow sampling (Low-Flow #1 and Low-Flow #2) were conducted on, August 22-23, 2000, September 22, 2000 and October 2, 2000 (**Table 3-1**). A total of 18 samples (out of the total 115 groundwater samples) were collected and analyzed only for TAL metals, to determine whether elevated metal concentrations observed in the groundwater samples are due to sediments rather than groundwater. The samples were analyzed by the FMETL for TAL metals utilizing United States Environmental Protection Agency (USEPA) Methods 3120B and 3112B. The results of these analyses are discussed in **Section 5.0**.

Sampling equipment was thoroughly decontaminated before and after each use, in accordance with the *Fort Monmouth Standard Operating Procedures* (1997). The groundwater 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

3.2 Surface Water Sampling Activities

A quarterly surface water sampling program was conducted by the DPW at the M-14 Landfill site from October 1996 and February 2001, in order to determine whether contamination of groundwater at the M-14 Landfill site has impacted nearby surface water. Surface water samples were collected during 22 quarterly sampling events and analyzed for VOCs plus 15 parameters and various wet chemistry parameters. A total of 65 surface water samples were collected from three stream locations (SS-9, SS-19 and SS-12). **Figure 3-1** shows the locations of the three surface water stream sampling locations at the M-14 Landfill site.

Sampling equipment was thoroughly decontaminated before and after each use, in accordance with the *Fort Monmouth Standard Operating Procedures* (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 the laboratory analyses can be found in **Appendix E**. A summary of the surface water sampling activities, including rounds, sample IDs, stream sampling locations, collection/analysis date, analytical parameters and analysis method is provided in **Table 3-2**. The results of the surface water sampling program are discussed in **Section 5.0**.

3.3 Groundwater Depth Measurements

During each of the groundwater monitoring rounds, measurements of the depth-to-water in each of the monitoring wells was recorded with an accuracy of 0.01 feet. These depth-to-water measurements are presented in **Table 3-3.** The groundwater elevation at each well was calculated by subtracting the elevation of the top of the well casing with the depth-to-water at the well. The groundwater elevations are discussed in **Section 4.2.**

4.0 SITE PHYSICAL CHARACTERISTICS

The following sections represent the findings of the site geologic and hydrogeologic characterization program for the M-14 Landfill site. These sections include a detailed discussion of the physical properties of the unconsolidated soil, bedrock and groundwater underlying the study area. Groundwater elevation and water quality data collected by the DPW from June 1997 through January 2001 are also discussed in this section.

4.1 Lithology

The lithology encountered at the site consists of primarily of fill material, fine sand and clay. A geologic cross section (A-A') was prepared for two monitoring wells. The cross section location map is included as **Figure 4-1**. The data used to create the cross section is presented in **Table 4-1**.

The location of cross-section A-A' is presented in **Figure 4-2.** Cross section A-A' depicts the profiles for monitoring wells M14-MW20 and M14-MW22 encountered fill consisting of gray-green sand, silt, trace of clay and gravel with broken concrete gravel pieces. Groundwater saturation was observed 4-6 feet bgs.

As stated in **Section 2.4.2**, the wide range of concentrations of metals in soils further impact the concentration of metals in groundwater. Soils derived from 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 entrant during the collection of groundwater samples.

4.2 Ground Water Flow Direction

Groundwater contour maps (**Figure 4-3a** through **Figure 4-3f**) were generated based on groundwater depth measurements from the six monitoring wells collected between May 2000 through January 2001 (**Table 3-3**). Groundwater was encountered at the M-14 Landfill site at depths ranging from 3.42-7.68 feet bgs grading toward Husky Brook. The groundwater underlying the site appears to be flowing in a consistent southern direction towards Husky Brook. No significant changes were noted in groundwater flow directions based on the six rounds of water level measurements (May 2000 through January 2001) are presented in (**Table 3-3**).

5.0 SITE CHEMICAL CHARACTERIZATION

This section includes a discussion of the chemical analytical characterization results for the various samples collected and analyzed from the site, including 16 rounds of groundwater monitoring well samples, two rounds of low-flow groundwater sampling samples and 22 rounds of surface water sampling. The DPW personnel were responsible for the collection of samples during this remedial investigation. Sample analyses were performed by the FMETL, a New Jersey certified laboratory (Certification No. 13461).

A low-flow sampling methodology was used in order to reduce the presence of suspended sediments within the groundwater. Significant decreases in non-native metals (arsenic, antimony, beryllium, cadmium, chromium, cobalt, lead, mercury, selenium, silver, thallium and vanadium) and in naturally occurring metals (aluminum, barium, calcium, copper, iron, magnesium, manganese, nickel, potassium, sodium and zinc). However, the native metal constituents (those indigenous to the soils at Fort Monmouth) were consistently present in the groundwater.

5.1 Groundwater Sampling Results

A total of 115 groundwater samples were collected from six groundwater monitoring wells to evaluate potential chemical impacts to groundwater from the M-14 Landfill site. The laboratory analytical results are summarized in **Table 5-1**. This section presents the results of laboratory analyses performed for the 16 rounds of groundwater sampling that were collected from June 1997 through January 2001 from the six monitoring wells at the M-14 Landfill site. Five monitoring wells (M14-MW19, M14-MW21, M14-MW22, M14-MW23 and M14-MW24) were installed in the southern portion of the M-14 Landfill site along the banks of the Husky Brook, one monitoring well (M14-MW20) was installed in the northwestern section of the site. The samples were analyzed for VOCs, SVOCs, pesticides, PCBs and TAL metals. The two additional rounds of sampling (Low-flow #1 and Low-flow #2) were conducted on, August 22-23, 2000, September 22, 2000 and October 2, 2000 using a low-flow sampling technique for TAL metals. As stated above, a low-flow sampling methodology was proposed for use by the DPW and accepted by the NJDEP to assess the impact of suspended sediments on the dissolved phase metals concentrations at the site.

As discussed in **Section 2.4.3**, Fort Monmouth is underlain by a Class III-A aquifer. The groundwater quality criteria for Class III-A is considered to be the criteria for the most stringent classification for vertically or horizontally adjacent ground waters that are not Class III-A (N.J.A.C. 7:9-6.7e). The NJDEP criteria used for comparison of groundwater analytical results were the higher of the Practical Quantitation Limits (PQLs) and the NJDEP GWQC for Class II-A aquifers (N.J.A.C. 7:9-6,Table 1). Analytes detected in groundwater samples at concentrations above the NJDEP GWQC are bold and highlighted in **Table 5-1**. The laboratory data sheets are provided in **Appendix D**.

This section discusses the detection of the compounds and analytes in groundwater at the site in four analytical categories, VOCs, SVOCs, Pesticides and PCBs and TAL metals.

A total of six VOCs were detected in site groundwater. One VOC was detected at a concentration exceeding its NJDEP GWQC, while the remaining five VOCs were detected in groundwater samples below their respective NJDEP GWQC. Nine SVOCs were detected in site groundwater below their respective NJDEP GWQC. Three pesticides were detected in site groundwater below their respective NJDEP GWQC. A total of 22 TAL metals were detected in site groundwater. Twelve TAL metals were detected at concentrations exceeding their respective NJDEP GWQC, which the remaining ten TAL metals were detected below their respective NJDEP GWQC.

5.1.1 Volatile Organic Compounds

During 16 groundwater sampling rounds and two low-flow sampling rounds, one VOC was detected above its NJDEP GWQC in at least one sample at the M-14 Landfill site.

tert-Butyl alcohol was detected at concentrations exceeding the GWQC of 100 ug/L during one separate round of sampling collected at one separate monitoring well location (M14-MW20) at a concentration of 101.37 ug/L (sampling round #4).

5.1.2 Semi Volatile Compounds

No SVOCs were detected above their respective GWQC at the site.

5.1.3 Pesticides and PCBs

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

5.1.4 TAL Metals

During 16 groundwater sampling rounds and two low-flow sampling rounds, a total of 12 TAL metals were detected above their respective NJDEP GWQC in at least one sample at the M-14 Landfill site.

Aluminum was detected at concentrations exceeding the GWQC of 200 ug/L during ten separate rounds of sampling collected at four separate monitoring well locations. Concentrations ranged from 251 ug/L in M14-MW23 (sampling round #12) to 1,320 ug/L in M14-MW24 (sampling round #14).

Antimony was detected at concentrations exceeding the GWQC of 20 ug/L during one separate round of sampling collected at one separate monitoring well location (M14-MW23) at a concentration of 69.7 ug/L (sampling round #12).

Arsenic was detected at concentrations exceeding the GWQC of 8.0 ug/L during seven separate rounds of sampling collected at two separate monitoring well locations. Concentrations ranged from 8.89 ug/L in M14-MW20 (sampling round #11) to 29.5 ug/L in M14-MW24 (Low-flow #1).

Chromium was detected at concentrations exceeding the GWQC of 100 ug/L during one separate round of sampling collected at one separate monitoring well location (M14-MW23) at a concentration of 1,340 ug/L (sampling round #12).

Iron was detected at concentrations exceeding the GWQC of 300 ug/L during 18 separate rounds of sampling collected at six separate monitoring well locations. Concentrations ranged from 315 ug/L in M14-MW22 (Low-flow #1) to 59,800 ug/L in M14-MW20 (sampling round #11).

Lead was detected at concentrations exceeding the GWQC of 10 ug/L during six separate rounds of sampling collected at four separate monitoring well locations. Concentrations ranged from 11 ug/L in M14-MW19 (sampling round #3) to 48.5 ug/L in M14-MW20 (sampling round #13).

Manganese was detected at concentrations exceeding the GWQC of 50 ug/L during 18 separate rounds of sampling collected at six separate monitoring well locations. Concentrations ranged from 54.6 ug/L in M14-MW21 (sampling round #5) to 677.2 ug/L in M14-MW20 (sampling round #4).

Mercury was detected at concentrations exceeding the GWQC of 2.0 ug/L during one separate round of sampling collected at one separate monitoring well location (M14-MW19) at a concentration of 2.52 ug/L (Low-flow #1).

Nickel was detected at concentrations exceeding the GWQC of 100 ug/L during one separate round of sampling collected at one separate monitoring well location (M14-MW23) at a concentration of 15,800 ug/L (sampling round #12).

Silver was detected at concentrations exceeding the GWQC of 20 ug/L during two separate rounds of sampling collected at three separate monitoring well locations. Concentrations ranged from 27 ug/L in M14-MW19 (sampling round #2) to 83 ug/L in M14-MW21 (sampling round #1).

Sodium was detected at concentrations exceeding the GWQC of 50,000 ug/L during six separate rounds of sampling collected at one separate monitoring well location (M14-MW24) at concentrations ranging from 119,000 ug/L (sampling round #13) to 169,000 ug/L (sampling round #14).

5.2 Surface Water Sampling Results

A total of 65 surface water samples were collected during 22 rounds of quarterly surface water sampling to evaluate potential chemical impacts to surface water from the M-14 Landfill site. The laboratory analytical results for surface water samples are summarized in **Table 5-2**. This section presents the results of laboratory analyses performed for the 22 rounds of surface water samples that were collected from October 1996 through

February 2001, from the three stream sampling points (SS-9, SS-19 and SS-12) around the M-14 Landfill site. The samples were collected by the DPW and analyzed by the FMETL for VOCs plus 15 parameters and various wet chemistry parameters. **Figure 3-2** shows the locations of the surface water stream sampling points at the M-14 Landfill site.

A total of six VOCs were detected in site surface water. One VOC was detected above the NJDEP SWQS, and the remaining five VOCs were detected below the NJDEP SWQS.

Methylene Chloride was detected at concentrations exceeding the SWQS of 2.49 ug/L during three separate rounds of sampling collected at three separate surface water sampling locations. Concentrations ranged from 2.82 ug/L at SS-9 (sampling round #3) to 3.83 ug/L at SS-19 (sampling round #3).

5.3 Contaminants of Concern

There was one VOC detected in the groundwater at concentrations exceeding the NJDEP criteria. There were no SVOCs pesticides or PCBs detected in the groundwater at concentrations exceeding the NJDEP criteria. There were 12 metals (aluminum, antimony, arsenic, cadmium, chromium, iron, lead, manganese, mercury, nickel, sodium and silver) detected in the groundwater samples collected from the M-14 Landfill site in concentrations exceeding the NJDEP GWQC. A discussion of these exceedences and whether they will be presented as a contaminant of concern is discussed below. **Table 5-3** summarizes the process used to determine a COC and is discussed below.

As presented in the Weston SI Report (1995), several natural and man-made 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 suspended sediments on the dissolved phase metals concentrations at the site. Using a low-flow sampling methodology to reduce the presence of suspended sediment yielded substantial reductions in the dissolved phase concentrations of metals, particularly for the constituents regarded as “non-native” (e.g., arsenic, antimony, beryllium, cadmium, chromium, cobalt, lead, mercury, selenium, silver, thallium and vanadium). Significant decreases in the concentrations of naturally occurring metals also were observed, including aluminum, barium, calcium, copper, iron, magnesium, manganese, nickel, potassium, sodium and zinc. However, the native metal constituents (e.g., those indigenous to the soil types present at Fort Monmouth) were consistently present in the groundwater, even when the low-flow sampling methodology was employed.

The 12 metals detected in site groundwater at concentrations exceeding the GWQC (aluminum, antimony, arsenic, cadmium, chromium, iron, lead, manganese, mercury,

nickel, sodium and silver) are distinguished into background metals and non-native metals. The indigenous metals are compared to the Fort Monmouth Summary of site-specific MBCs, identified in the Weston SI (1995), which are presented in **Table 5-3**. The non-native metals are discussed in relation to the GWQC only.

Of the 12 metals detected that exceeded the NJDEP cleanup criteria, five metals (aluminum, iron, manganese, nickel and sodium) are common background constituents in Monmouth County and the Main Post Area soils. The water chemistry in areas underlain by glauconitic sediments (such as Red Bank, Tinton and Hornerstown Sands) is dominated by calcium, magnesium, manganese, aluminum and iron. Elevated concentrations of these metals are routinely observed in groundwater samples collected at Fort Monmouth. The groundwater analytical results for (aluminum, iron, manganese, nickel and sodium) were compared with the low-flow sampling results to their respective MBCs. These five background metals are not considered to be COCs in site groundwater.

There were seven non-native metals that exceeded the NJDEP criteria (antimony, arsenic, cadmium, chromium, lead, mercury and silver). The groundwater analytical results were compared with the low-flow sampling results to the NJDEP GWQC. The two separate rounds of low-flow sampling (August 22-23, 2000, September 22, 2000 and October 2, 2000) were performed during the quarterly groundwater sampling program, using the low-flow groundwater sampling technique as discussed in **Section 3.2.1**. This technique was used to determine if the detected metal concentrations observed in the groundwater samples are a function of contaminated sediments suspended in the groundwater during the course of well purging and sampling activities, or an accurate representation of aquifer/groundwater conditions. With the exception of one lead result (17.6 ug/L) from M14-MW20 collected during the October 2000 sampling event, this low-flow sampling approach resulted in reduced concentrations below NJDEP criteria or non-detections of nine uncharacteristic metals (antimony, arsenic, beryllium, cadmium, chromium, lead, selenium, thallium and silver), during the two rounds of low-flow groundwater sampling conducted at the site. Therefore, the seven non-native metals that exceeded the NJDEP GWQC are not considered to be COCs in site groundwater.

There was one VOC (methylene chloride) that was detected in surface water at the M-14 Landfill site at concentrations exceeding the NJDEP SWQS. Methylene chloride is a common laboratory compound and was not identified in the groundwater sampling results, therefore was not considered to be a COC in site surface water.

5.4 Quality Assurance/Quality Control

To verify the reliability of the analytical results, VERSAR reviewed the holding times for each sample and the results of the analysis of 18 method blanks for VOCs, 17 method blanks for SVOCs, 16 method blanks for pesticides and PCBs, 20 method blanks for TAL metals, 13 trip blanks, 16 field blanks and ten field duplicate samples. 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-14 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 18 method blanks for VOCs, 17 method blanks for SVOCs, 16 method blanks for pesticides and PCBs and 20 method blanks for TAL metals were analyzed with the M-14 Landfill site samples.

Five SVOCs were detected in at least one method blank sample. These SVOCs were bis(2-ethylhexyl)phthalate, butylbenzylphthalate, diethylphthalate, di-n-butylphthalate and n-nitrosodiphenylamine. All five SVOCs were detected at concentrations below their respective NJDEP criteria; their presence in only a few samples is not indicative of a widespread laboratory contamination problem.

Several metals were detected in at least one method blank sample, including aluminum, antimony, barium, cadmium, calcium, chromium, copper, iron, magnesium, manganese, mercury, nickel, potassium, sodium, silver and zinc. Most of the metals were detected in only a few samples at very low concentrations. Silver was detected in one method blank sample at a concentration exceeding its NJDEP criteria. However, their presence in only a few samples is not indicative of a widespread laboratory contamination problem.

Trip Blanks

Thirteen trip blanks were included as part of the M-14 Landfill site sampling program 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 with the groundwater samples.

Five VOCs were detected in at least one trip blank. Acetone was detected in two trip blanks at concentrations below its NJDEP criteria. 2-Butanone was detected in one trip blank at a concentration below its NJDEP criteria. Carbon disulfide was detected in one trip blank at a concentration below its NJDEP criteria. Chloroform was detected in one trip blank at a concentration below its NJDEP criteria. Methylene chloride was detected in one trip blank at a concentration exceeding its NJDEP criteria. However, methylene chloride is a common laboratory contaminant. The detections of chloroform and acetone indicate that the sample handling procedures, including the sample glassware, may have introduced contamination into the sampling and analysis process. However, their presence in only a few samples is not indicative of a widespread laboratory contamination problem.

Field Blanks

One field blank sample was obtained during the sampling activities each day to document the equipment decontamination procedures. A total of 16 field samples (e.g., field blanks) were collected during the M-14 Landfill site sampling events. The field blanks were collected by rinsing deionized water, supplied by the laboratory, over the sampling

equipment used for daily activities. The water was collected in clean laboratory-supplied sample jars and submitted for analysis along with the M-14 Landfill site groundwater samples.

The results of the field blank analyses showed that four VOCs were detected in at least one field blank. Acetone was detected in two field blanks at concentrations below its NJDEP criteria. 2-Butanone was detected in one field blank at a concentration below its NJDEP criteria. Chloroform was detected in one field blank at a concentration below its NJDEP criteria. Methylene chloride was detected in one field blank at a concentration exceeding its NJDEP criteria. As noted for the trip blanks, methylene chloride is a common laboratory contaminant, and the detections of chloroform and acetone indicate that the sample handling procedures, including the sample glassware, may have introduced contamination into the sampling and analysis process. In addition, the same VOCs found in the field blanks were also found in the trip blanks, suggesting that the sampling and decontamination procedures did not introduce additional contamination. However, their presence in only a few samples is not indicative of a widespread laboratory contamination problem.

Five SVOCs, bis(2-ethylhexyl)phthalate, butylbenzylphthalate, diethylphthalate, di-n-butylphthalate and di-n-oct, were each detected in at least one of the field blank samples. Each analyte was detected at low concentrations that are below their respective NJDEP criteria. In addition, some of these compounds were also identified in the method blanks; therefore, there presence in the field blank samples does not suggest that the sampling and decontamination procedures introduced additional contamination.

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

Duplicate Samples

Thirteen field duplicate samples were also collected during the M-14 Landfill site sampling events to verify the consistency of the entire sampling and analytical procedure. The results for all of the duplicate samples were close to those obtained for the original samples. The relative percent differences (RPDs), which are the differences between the two samples being compared divided by their average, indicate the relative levels of precision maintained by the laboratory throughout its analytical procedures. The RPDs for the duplicate samples VOCs was 17.8%. The RPDs for the duplicate samples SVOCs ranged from 21.2% to 55.9%, and their average RPD was 38.5%. These RPDs are near

the established limit of 30% for laboratory duplicate samples and indicate that a high level of precision was maintained throughout the sampling and analytical procedures.

The RPDs for the duplicate samples metals analyses ranged from 0.0% to 185.1%, however, the average RPDs for all of the metals results is 33.4%. This indicates that, overall, good precision was maintained, but that the metals results were much more varied than those for the VOCs or SVOCs. The apparent metals contamination noted in the method and field blanks may have impacted the precision of the metals analysis.

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

6.0 CONCLUSIONS

Geologic publications show that the M-14 Landfill site is located within an aquitard (the Navesink-Hornerstown Confining Unit). The low hydraulic conductivity of the aquitard and the thickness of the aquitard at the site conform to the requirements of a Class III-A aquifer, as specified in the NJDEP GWQS (NJAC 7:9-6, January 7, 1993).

The analytical results for the groundwater samples collected at the M-14 Landfill site between June 1997 and January 2001 indicate that no COCs exist within the M-14 Landfill site groundwater. The Class II-A criteria were used for comparison with site-specific data obtained from the various groundwater sampling rounds because the GWQS (NJAC 7:9-6.7e) state that the groundwater quality criteria to be used for Class III-A aquifers are the most stringent criteria associated with vertically or horizontally adjacent groundwaters that are not Class III-A.

Based on the results of the groundwater quality evaluation, no SVOCs pesticides or PCBs were detected in groundwater at the M-14 Landfill site above the NJDEP GWQC. One VOC (tert-butyl-alcohol) was detected above the NJDEP GWQC of 100 ug/L at a concentration of 101.37 ug/L in one well during one round of groundwater sampling. The detection of one VOC in one well during one round of groundwater sampling at the M-14 Landfill site is considered to be isolated and marginal.

There were 12 metals (aluminum, antimony, arsenic, cadmium, chromium, iron, lead, manganese, mercury, nickel, sodium and silver) detected in groundwater samples collected from the M-14 Landfill site at concentrations exceeding the NJDEP GWQC. However, none of these metals are considered to be COCs in site groundwater due to the process of elimination via categorization of background metals, reduction in concentration or non-detection of samples by low-flow sampling and elimination of isolated or marginal detections.

There was one COC within the surface water samples (methylene chloride) but was not identified within the groundwater and is considered a common laboratory contaminant. Therefore, no COCs exist within the groundwater and NFA is required concerning the groundwater at the M-14 Landfill site.

7.0 REFERENCES

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 Administrative Code (NJAC) 7:26E - *Technical Requirements for Site Remediation.*

New Jersey Geological Survey Map, 1994.

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

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

TABLES

Table 2-1
Well Construction Summary
M-14 Landfill Site
Fort Monmouth, New Jersey

Well ID	NJDEP Permit Number	Northing	Easting	Elevation of Inner Casing Survey Mark	Elevation of Ground Surface	Hole Diameter	Total Depth of Well	Depth to Top of Screen	Screen Length	Screen Diameter	Screen Material	Approx. Yield(3)	Date of Construction
Units	**--**	**ft**	**ft**	**ft (amsl)[1]**	**ft (amsl)[1]**	**in**	**ft (bgs)[2]**	**ft (bgs)[2]**	**ft**	**in**	**--**	**gpm[3]**	**--**
M14-MW19	29-32579	539351.935	620768.256	9.68	7.98	12	15.0	5.0	10.0	4.0	10 Slot PVC	7	01/04/95
M14-MW20	29-32580	539644.709	620837.131	9.29	7.43	12	14.5	4.5	10.0	4.0	10 Slot PVC	0.5	01/04/95
M14-MW21	29-32581	539691.56	621282.11	9.57	7.50	12	16.0	6.0	10.0	4.0	10 Slot PVC	0.5	01/04/95
M14-MW22	29-41787	539466.503	620899.871	8.9	6.3	10	18.0	3.0	15.0	4.0	10 Slot PVC	1	11/22/99
M14-MW23	29-41786	539570.717	621056.665	8.71	5.33	10	18	3.0	15.0	4.0	10 Slot PVC	< 2	11/22/99
M14-MW24	29-41788	539749.015	621404.794	9.53	6.31	10	18	3.0	15.0	4.0	10 Slot PVC	3	03/27/00

Notes:
Where a difference in reported data exists between a monitoring well permit and the corresponding boring log, data from the permit was used.
[1]amsl = above mean sea level
[2]bgs = below ground surface
[3]gpm = gallons per minute
Well locations were recorded using Trimble GPS equipment in August 2001
Monitoring wells M14-MW19, M14-MW20 and M14-21 were installed by Weston for the DPW in January 1995.
Monitoring wells M14-MW22, M14-MW23 and M14-MW24 were installed by Lutz Environmental, Inc. in 1999 and 2000.

Table 3-1
Groundwater Sampling Summary
M-14 Landfill Site
Fort Monmouth, New Jersey

Round #	Sample ID	Monitoring Well ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
	2677.01	Trip Blank	6/12/1997	6/18/1997	Aqueous	Blank	VOCS	Method 624
	2677.02	Field Blank	6/12/1997	6/18/1997	Aqueous	Blank	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
1	2677.03	MW-21	6/12/1997	6/19/1997	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	2677.04	MW-20	6/12/1997	6/18/1997	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	2677.05	MW-19	6/12/1997	6/18/1997	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	2771.01	Trip Blank	7/3/1997	7/11/1997	Aqueous	Blank	VOCS	Method 624
	2771.02	Field Blank	7/3/1997	7/11/1997	Aqueous	Blank	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
2	2771.03	MW-19	7/3/1997	7/11/1997	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	2771.04	MW-20	7/3/1997	7/11/1997	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	2771.05	MW-21	7/3/1997	7/11/1997	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	2771.06	Duplicate	7/3/1997	7/11/1997	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	3151.01	Trip Blank	11/7/1997	11/12/1997	Aqueous	Blank	VOCS	Method 624
	3151.02	Field Blank	11/7/1997	11/13/1997	Aqueous	Blank	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
3	3151.03	MW-19	11/7/1997	11/12/1997	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	3151.04	MW-21	11/7/1997	11/12/1997	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	3151.05	MW-20	11/7/1997	11/12/1997	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	3151.06	Duplicate	11/7/1997	11/12/1997	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	3361.01	Trip Blank	2/23/1998	2/25/1998	Aqueous	Blank	VOCS	Method 624
	3361.02	Field Blank	2/23/1998	2/25/1998	Aqueous	Blank	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
4	3361.03	MW-19	2/23/1998	2/25/1998	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	3361.04	MW-20	2/23/1998	2/25/1998	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	3361.05	MW-21	2/23/1998	2/25/1998	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	3361.06	Duplicate	2/23/1998	2/25/1998	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	3553.01	Trip Blank	5/7/1998	5/18/1998	Aqueous	Blank	VOCS	Method 624
	3553.02	Field Blank	5/7/1998	5/18/1998	Aqueous	Blank	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
5	3555.01	MW-19	5/7/1998	5/18/1998	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	3555.02	MW-20	5/7/1998	5/18/1998	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	3555.03	MW-21	5/7/1998	5/18/1998	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	3789.01	MW-19	8/6/1998	8/12/1998	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
6	3789.02	MW-20	8/6/1998	8/12/1998	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	3789.03	MW-21	8/6/1998	8/12/1998	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	4025.01	Trip Blank	11/3/1998	11/7/1998	Aqueous	Blank	VOCS	Method 624
	4025.02	Field Blank	11/3/1998	11/7/1998	Aqueous	Blank	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
7	4025.06	Duplicate	11/3/1998	11/7/1998	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	4026.01	MW-21	11/3/1998	11/7/1998	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	4026.02	MW-19	11/3/1998	11/7/1998	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	4026.03	MW-20	11/3/1998	11/7/1998	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	4233.01	Trip Blank	1/29/1999	2/5/1999	Aqueous	Blank	VOCS	Method 624
	4233.02	Field Blank	1/29/1999	2/5/1999	Aqueous	Blank	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
8	4235.01	MW-19	1/29/1999	2/10/1999	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	4235.02	MW-20	1/29/1999	2/10/1999	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	4235.03	MW-21	1/29/1999	2/10/1999	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	4510.01	MW-19	5/25/1999	5/27/1999	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
9	4510.02	MW-21	5/25/1999	5/27/1999	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	4510.03	MW-20	5/25/1999	5/27/1999	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	4646.01	MW-19	7/23/1999	7/29/1999	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
10	4646.02	MW-20	7/23/1999	7/29/1999	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	4646.03	MW-21	7/23/1999	7/29/1999	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	4855.01	Trip Blank	10/14/1999	10/15/1999	Aqueous	Blank	VOCS	Method 624
	4855.02	Field Blank	10/14/1999	10/15/1999	Aqueous	Blank	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
11	4854.01	MW-19	10/14/1999	10/15/1999	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	4854.02	MW-20	10/14/1999	10/15/1999	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	4854.03	MW-21	10/14/1999	10/15/1999	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5198.01	Trip Blank	2/24/2000	2/28/2000	Aqueous	Blank	VOCS	Method 624
	5198.02	Field Blank	2/24/2000	2/29/2000	Aqueous	Blank	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5198.03	Duplicate	2/24/2000	2/29/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
12	5198.04	MW-19	2/24/2000	2/29/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5198.05	MW-20	2/24/2000	2/29/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5198.06	MW-21	2/24/2000	2/29/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5198.07	MW-22	2/24/2000	2/29/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5198.08	MW-23	2/24/2000	2/29/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,

Table 3-1
Groundwater Sampling Summary
M-14 Landfill Site
Fort Monmouth, New Jersey

Round #	Sample ID	Monitoring Well ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
13	5418.01	Trip Blank	5/16/2000	5/24/2000	Aqueous	Blank	VOCS	Method 624
	5418.02	Field Blank	5/16/2000	5/22/2000	Aqueous	Blank	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5418.03	Duplicate	5/16/2000	5/22/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5418.04	MW-19	5/16/2000	5/22/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5418.05	MW-20	5/16/2000	5/22/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5418.06	MW-21	5/16/2000	5/22/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5418.07	MW-22	5/16/2000	5/22/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5418.08	MW-23	5/16/2000	5/22/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5418.09	MW-24	5/16/2000	5/22/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
14	5683.01	Trip Blank	9/1/2000	9/11/2000	Aqueous	Blank	VOCS	Method 624
	5683.02	Field Blank	9/1/2000	9/8/2000	Aqueous	Blank	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5683.03	MW-19	9/1/2000	9/8/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5683.04	MW-20	9/1/2000	9/8/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5683.05	MW-21	9/1/2000	9/8/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5683.06	MW-22	9/1/2000	9/8/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5683.07	MW-23	9/1/2000	9/8/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5683.08	MW-24	9/1/2000	9/8/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
15	5833.01	Trip Blank	11/3/2000	11/7/2000	Aqueous	Blank	VOCS	Method 624
	5833.02	Field Blank	11/3/2000	11/7/2000	Aqueous	Blank	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5833.03	Duplicate	11/3/2000	11/7/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5833.04	MW-19	11/3/2000	11/7/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5833.05	MW-20	11/3/2000	11/7/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5833.06	MW-21	11/3/2000	11/7/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5833.07	MW-22	11/3/2000	11/7/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5833.08	MW-23	11/3/2000	11/7/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	5833.09	MW-24	11/3/2000	11/7/2000	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
Low Flow 1	5648.01	MW-19	8/22/2000	9/7/2000	Aqueous	GW	TAL Metals	Method 3112B, 3120B
	5648.02	MW-22	8/22/2000	9/7/2000	Aqueous	GW	TAL Metals	Method 3112B, 3120B
	5656.01	Field Blank	8/23/2000	9/7/2000	Aqueous	Blank	TAL Metals	Method 3112B, 3120B
	5656.02	MW-20	8/23/2000	9/7/2000	Aqueous	GW	TAL Metals	Method 3112B, 3120B
	5656.03	MW-23	8/23/2000	9/7/2000	Aqueous	GW	TAL Metals	Method 3112B, 3120B
	5656.04	MW-21	8/23/2000	9/7/2000	Aqueous	GW	TAL Metals	Method 3112B, 3120B
	5656.05	MW-24	8/23/2000	9/7/2000	Aqueous	GW	TAL Metals	Method 3112B, 3120B
	5656.06	Duplicate	8/23/2000	9/7/2000	Aqueous	GW	TAL Metals	Method 3112B, 3120B
Low Flow 2	5739.01	Field Blank	9/22/2000	9/29/2000	Aqueous	Blank	TAL Metals	Method 3112B, 3120B
	5739.02	Duplicate	9/22/2000	9/29/2000	Aqueous	GW	TAL Metals	Method 3112B, 3120B
	5739.03	MW-23	9/22/2000	9/29/2000	Aqueous	GW	TAL Metals	Method 3112B, 3120B
	5739.04	MW-21	9/22/2000	9/29/2000	Aqueous	GW	TAL Metals	Method 3112B, 3120B
	5762.01	Field Blank	10/2/2000	10/12/2000	Aqueous	Blank	TAL Metals	Method 3112B, 3120B
	5762.02	MW-19	10/2/2000	10/12/2000	Aqueous	GW	TAL Metals	Method 3112B, 3120B
	5762.03	MW-22	10/2/2000	10/12/2000	Aqueous	GW	TAL Metals	Method 3112B, 3120B
	5762.04	MW-20	10/2/2000	10/12/2000	Aqueous	GW	TAL Metals	Method 3112B, 3120B
	5762.05	Duplicate	10/2/2000	10/12/2000	Aqueous	GW	TAL Metals	Method 3112B, 3120B
	5762.06	MW-24	10/2/2000	10/12/2000	Aqueous	GW	TAL Metals	Method 3112B, 3120B
16	228	Trip Blank	1/17/2001	1/20/2001	Aqueous	Blank	VOCS	Method 624
	229	Field Blank	1/17/2001	1/20/2001	Aqueous	Blank	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	230	Duplicate	1/17/2001	1/20/2001	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	231	MW-19	1/17/2001	1/20/2001	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	232	MW-20	1/17/2001	1/20/2001	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	233	MW-21	1/17/2001	1/20/2001	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	234	MW-22	1/17/2001	1/20/2001	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	235	MW-23	1/17/2001	1/20/2001	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,
	236	MW-24	1/17/2001	1/20/2001	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3111D, 3111B, 3112B, 3113B,

Notes:
GW : Groundwater
VOC : Volatile organic compounds
SVOC Semi-volatile organic compounds
TAL metals: Target Analyte List metals
LF= Low Flow Sampling Method Used
PCB: Polychlorinated Biphenyls

Table 3-2
Surface Water Sampling Summary
M-14 Landfill Site
Fort Monmouth, New Jersey

Round #	Sample ID	Stream Sampling Location	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
1	2178.09	SS-9	10/08/96	10/21/96	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	2178.12	SS-12	10/08/96	10/21/96	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
2	2223.04	SS-9	11/25/96	12/09/96	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	2223.05	SS-19	11/25/96	12/09/96	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	2223.06	SS-12	11/25/96	12/09/96	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
3	2246.04	SS-9	12/12/96	12/17/96	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	2246.05	SS-19	12/12/96	12/17/96	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	2246.06	SS-12	12/12/96	12/17/96	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
4	2298.04	SS-9	01/29/97	02/06/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	2298.05	SS-19	01/29/97	02/06/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	2298.06	SS-12	01/29/97	02/06/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
5	2361.04	SS-9	02/26/97	03/07/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	2361.05	SS-19	02/26/97	03/07/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	2361.06	SS-12	02/26/97	03/07/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
6	2375.04	SS-9	03/10/97	03/11/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	2375.05	SS-19	03/10/97	03/11/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	2375.06	SS-12	03/10/97	03/11/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
7	2439.04	SS-9	04/08/97	04/18/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	2439.05	SS-19	04/08/97	04/18/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	2439.06	SS-12	04/08/97	04/18/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
8	2810.04	SS-9	07/17/97	07/29/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	2810.05	SS-19	07/17/97	07/29/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	2810.06	SS-12	07/17/97	07/29/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
9	3121.04	SS-9	10/30/97	11/04/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	3121.05	SS-19	10/30/97	11/04/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	3121.06	SS-12	10/30/97	11/04/97	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
10	3331.04	SS-9	02/10/98	02/12/98	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	3331.05	SS-19	02/10/98	02/12/98	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	3331.06	SS-12	02/10/98	02/12/98	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
11	3499.04	SS-9	04/21/98	04/30/98	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	3499.05	SS-19	04/21/98	04/30/98	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	3499.06	SS-12	04/21/98	04/30/98	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602

Table 3-2
Surface Water Sampling Summary
M-14 Landfill Site
Fort Monmouth, New Jersey

Round #	Sample ID	Stream Sampling Location	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
12	3816.04	SS-9	08/19/98	08/21/98	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	3816.05	SS-19	08/19/98	08/21/98	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	3816.06	SS-12	08/19/98	08/21/98	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
13	4060.06	SS-9	11/17/98	11/20/98	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	4060.07	SS-19	11/17/98	11/20/98	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	4069.03	SS-12	11/18/1998		Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
14	4300.04	SS-9	02/25/99	03/10/99	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	4300.05	SS-19	02/25/99	03/10/99	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	4300.06	SS-12	02/25/99	03/10/99	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
15	4579.06	SS-9	06/29/99	07/10/99	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	4579.07	SS-19	06/29/99	07/10/99	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	4579.08	SS-12	06/29/99	07/10/99	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
16	4802.06	SS-9	09/21/99	09/24/99	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	4802.07	SS-19	09/21/99	09/24/99	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	4802.08	SS-12	09/21/99	09/24/99	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
17	4997.07	SS-9	12/08/99	12/13/99	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	4997.08	SS-19	12/08/99	12/13/99	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	4997.2	SS-12	12/08/99	12/13/99	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
18	5211.07	SS-9	03/01/00	03/04/00	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	5211.08	SS-19	03/01/00	03/04/00	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	5211.2	SS-12	03/01/00	03/04/00	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
19	5468.07	SS-9	06/12/00	06/14/00	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	5468.08	SS-19	06/12/00	06/14/00	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	5468.09	SS-12	06/12/00	06/14/00	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
20	5658.07	SS-9	8/24/2000	9/5/2000	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	5658.08	SS-19	8/24/2000	9/5/2000	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	5658.09	SS-12	8/24/2000	9/5/2000	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
21	5658.09	SS-9	11/20/2000	11/21/2000	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	5868.08	SS-19	11/20/2000	11/21/2000	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	5868.09	SS-12	11/20/2000	11/21/2000	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
22	957	SS-9	2/21/2001	2/28/2001	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	958	SS-19	2/21/2001	2/28/2001	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602
	959	SS-12	2/21/2001	2/28/2001	Aqueous	Surface Water	VOCs, Wet Chemistry	Method 601/602

NOTES:
VOC: Volatile Organic Compound plus 15 tentively identified compounds
Wet Chemistry: Fifteen tentatively identified compounds

Table 3-3
Groundwater Elevation Summary
M-14 Landfill Site
Fort Monmouth, New Jersey

Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.
M14-MW19	9.68	06/12/97	6.9	2.78	07/03/97	7.2	2.48	11/07/97	7.35	2.33	02/23/98	6.4	3.28
M14-MW20	9.29	06/12/97	6.25	3.04	07/03/97	6.6	2.69	11/07/97	6.5	2.79	02/23/98	5.8	3.49
M14-MW21	9.57	06/12/97	7.11	2.46	07/03/97	6.85	2.72	11/07/97	7.1	2.47	02/23/98	6.1	3.47
M14-MW22	8.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
M14-MW23	8.71	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
M14-MW24	9.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

1) Elevation in feet above mean sea level.

2) Depth to water: depth in feet from inner casing survey mark.

3) NS: Not Sampled

Table 3-3
Groundwater Elevation Summary
M-14 Landfill Site
Fort Monmouth, New Jersey

Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.
M14-MW19	9.68	05/07/98	6.51	3.17	08/06/98	7.84	1.84	11/03/98	8.01	1.67	01/29/99	6.43	3.25
M14-MW20	9.29	05/07/98	5.85	3.44	08/06/98	6.94	2.35	11/03/98	7.4	1.89	01/29/99	6.2	3.09
M14-MW21	9.57	05/07/98	6.22	3.35	08/06/98	6.83	2.74	11/03/98	6.72	2.85	01/29/99	6.27	3.3
M14-MW22	8.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
M14-MW23	8.71	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
M14-MW24	9.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

1) Elevation in feet above mean sea level.

2) Depth to water: depth in feet from inner casing survey mark.

3) NS: Not Sampled

Table 3-3
Groundwater Elevation Summary
M-14 Landfill Site
Fort Monmouth, New Jersey

Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.
M14-MW19	9.68	05/29/99	7.31	2.37	07/23/99	7.98	1.7	10/14/99	7.67	2.01	02/24/00	6.74	2.94
M14-MW20	9.29	05/25/99	6.78	2.51	07/23/99	7.23	2.06	10/14/99	6.82	2.47	02/24/00	6.71	2.58
M14-MW21	9.57	05/25/99	6.58	2.99	07/23/99	7.41	2.16	10/14/99	7.7	1.87	02/24/00	7.53	2.04
M14-MW22	8.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	02/24/00	6.99	1.91
M14-MW23	8.71	NS	NS	NS	NS	NS	NS	NS	NS	NS	02/24/00	7.4	1.31
M14-MW24	9.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

1) Elevation in feet above mean sea level.

2) Depth to water: depth in feet from inner casing survey mark.

3) NS: Not Sampled

Table 3-3
Groundwater Elevation Summary
M-14 Landfill Site
Fort Monmouth, New Jersey

Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.
M14-MW19	9.68	05/16/00	6.88	2.8	08/21/00	6.73	2.95	09/01/00	6.99	2.69	10/01/00	6.8	2.88
M14-MW20	9.29	02/24/00	6.6	2.69	08/22/00	6.4	2.89	09/01/00	6.68	2.61	10/01/00	6.5	2.79
M14-MW21	9.57	05/16/00	6.88	2.69	08/22/00	7.3	2.27	09/01/00	7.34	2.23	09/21/00	7.3	2.27
M14-MW22	8.90	05/16/00	6.8	2.10	08/21/00	3.42	5.48	09/01/00	6.9	2.00	10/01/00	6.77	2.13
M14-MW23	8.71	05/16/00	6.83	1.88	08/22/00	6.32	2.39	09/01/00	7.03	1.68	09/21/00	7	1.71
M14-MW24	9.53	05/16/00	7.61	1.92	08/22/00	7.5	2.03	09/01/00	7.57	1.96	10/01/00	7.2	2.33

Notes:

1) Elevation in feet above mean sea level.

2) Depth to water: depth in feet from inner casing survey mark.

3) NS: Not Sampled

Table 3-3
Groundwater Elevation Summary
M-14 Landfill Site
Fort Monmouth, New Jersey

Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.
M14-MW19	9.68	11/03/00	7.26	2.42	01/17/01	7.12	2.56
M14-MW20	9.29	11/03/00	6.99	2.30	01/17/01	6.83	2.46
M14-MW21	9.57	11/03/00	6.83	2.74	01/17/01	7.1	2.47
M14-MW22	8.90	11/03/00	6.86	2.04	01/17/01	6.95	1.95
M14-MW23	8.71	11/03/00	6.93	1.78	01/17/01	7.18	1.53
M14-MW24	9.53	11/03/00	7.45	2.08	01/17/01	7.68	1.85

Notes:

1) Elevation in feet above mean sea level.

2) Depth to water: depth in feet from inner casing survey mark.

3) NS: Not Sampled

Table 4-1
Data for Cross-Section
M-14 Landfill Site
Fort Monmouth, New Jersey

Well ID	Units	M14-MW20	M14-MW22
Elevation of Top of Casing	ft (amsl)	9.29	8.90
Elevation of Ground Surface	ft (amsl)	7.43	6.30
Elevation of Top of Screen	ft (amsl)	4.79	5.90
Elevation of Groundwater (INSERT DATE)	ft (amsl)	6.25	6.99
Elevation of Top of Unit 2	ft (amsl)	6.93	5.80
Elevation of Top of Unit 3	ft (amsl)	3.43	-0.70
Elevation of Bottom of Well	ft (amsl)	-7.07	-11.70
Distance from Point A on Cross-Section	ft	0	187

Explanation of Units
Surface Materials:
Unit 1 (not in table) = Brown topsoil
Unit 2 = Fill: Brown, green, and black coarse-med-fine sand, little fine gravel
Lower Red Bank Formation (Sandy Hook)*:
Unit 3 = Greenish gray to black clay and silt, with organic matter

Notes:
All measurements in feet.
amsl: above mean sea level.
NA: Not Applicable.
*Refer to Minard, 1969.

Table 5-1
Groundwater Sampling Results
M-14 Landfill Site
Fort Monmouth, New Jersey

Well ID			M14-MW19						NJDEP#29-32579											
Field Sample Location	**NJDEP**	**Site Specific**	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19
Lab Sample ID	**Clean-up**	**MBC[1]**	2677.05	2771.03	3151.03	3361.03	3555.01	3789.01	4026.02	4235.01	4510.01	4646.01	4854.01	5198.04	5418.04	5648.01	5683.03	5762.02	5833.04	231
Sample Date	**Criteria***		06/12/97	07/03/97	11/07/97	02/23/98	05/07/98	08/06/98	11/03/98	01/29/99	05/25/99	07/23/99	10/14/99	02/24/00	05/16/00	08/22/00	09/01/00	10/02/00	11/03/00	01/17/01
Round Number			1	2	3	4	5	6	7	8	9	10	11	12	13	LF1[2]	14	LF2[2]	15	16
Volatiles																				
Acetone	**700**	**N/A**	ND	ND	ND	ND	ND	5.25	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	5.33	ND
2-Butanone	**300**	**N/A**	ND	ND	ND	ND	ND	4.38	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Carbon Disulfide[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Chlorobenzene	**4**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
MTBE [3]	**70**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
tert-Butyl alcohol[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Semi-Volatiles																				
Acenaphthene	**400**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Benzoic Acid[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Benzyl Alcohol	**2000**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
bis(2-Ethylhexyl)phthalate	**30**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Di-n-butylphthalate	**900**	**N/A**	2.06	1.04	1.60	7.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
4-Methylphenol[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
N-nitroso-dimethylamine	**20**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Phenanthrene[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Phenol	**4000**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Pesticide/PCB																				
4,4'-DDE	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
4,4'-DDD	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
4,4'-DDT	**0.10**	**N/A**	ND	ND	ND	ND	ND	0.034	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Metals																				
Aluminum	**200**	**121000**	30.8	124.1	110	76	34.5	117	25.4	ND	154	74.8	160	ND	64.4	135	138	29.9	36.9	ND
Antimony	**20**	**N/A**	ND	ND	ND	ND	ND	2.27	3.23	ND	ND	ND	6.92	ND	ND	ND	ND	ND	ND	ND
Arsenic	**8**	**N/A**	ND	2	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	**2000**	**699**	38.9	70.8	17.4	46.2	51.1	337	13.8	35.8	59.2	13.2	27.2	21.6	ND	15.3	17.6	10.5	22.4	29.3
Beryllium	**20**	**N/A**	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	**4**	**N/A**	ND	ND	ND	ND	ND	ND	3.44	1.1	0.996	0.826	1.19	ND	ND	ND	ND	ND	ND	ND
Calcium	**NLE**	**45400**	13570	27810	18930	20450	25500	29100	19100	40900	28800	16700	20600	18700	16900	18800	22000	17400	21700	18800
Chromium	**100**	**191**	ND	ND	1.1	ND	ND	1.9	1.11	4.02	2.59	1.53	7.43	ND	2.48	ND	ND	ND	1.18	ND
Cobalt	**NLE**	**N/A**	ND	ND	ND	ND	ND	ND	ND	4.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	**1000**	**65.6**	22	6	13	10	ND	ND	24.2	ND	11.7	8.58	155	ND	8.79	ND	ND	32.3	17.8	ND
Iron	**300**	**431000**	**27000**	**30280**	**11610**	**50590**	**48050**	**19900**	**14700**	**41400**	**40400**	**13700**	**17400**	**24900**	**20500**	**14600**	**15700**	**12700**	**15200**	**27200**
Lead	**10**	**N/A**	0.7	ND	**11**	ND	ND	3.19	5.15	ND	2.57	5.24	2.91	ND	ND	ND	4.83	ND	1.12	ND
Magnesium	**NLE**	**62700**	2160	4280	2320	2420	2956	3200	2530	4550	3470	2120	2770	2450	2150	2420	2780	2410	3280	2470
Manganese	**50**	**331**	**57**	**291**	**135.9**	**118.7**	**172**	**219**	**100**	**654**	**314**	**89.7**	**147**	**105**	**79.2**	**101**	**102**	**82**	**123**	**103**
Mercury	**2**	**N/A**	ND	ND	0.3	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND	**2.52**	ND	ND	ND	ND
Nickel	**100**	**N/A**	ND	ND	ND	1.2	1.2	ND	5.69	20.6	0.931	0.716	5.03	ND	3.59	ND	ND	ND	ND	ND
Potassium	**NLE**	**137000**	6140	5340	5660	6400	8018	14800	28700	6380	7310	6330	6860	6080	6100	6170	6530	6310	7050	6180
Selenium	**50**	**N/A**	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	**NLE**	**N/A**	**33**	**27**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.48	ND	ND	ND
Sodium	**50000**	**21500**	5720	8320	6580	5940	7202	9130	5360	7810	9220	5840	5880	5800	5040	5800	6400	6150	8360	5440
Vanadium	**NLE**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	2.04	ND	ND	ND	ND	ND	ND	0.642	1.15	ND
Zinc	**5000**	**233**	34	21	67	21	23.9	61.3	72.6	664	4.98	40.3	55.2	21.4	15.7	47.8	46.4	24.9	33	9.78

Notes

billion (ppb) except for Wet Chemistry

NJDEP Criteria: Higher of Practical Quantitation Limits (PQLs) & Groundwater Quality Criteria (GWQC) NJAC 7:9-6

Exceedences of NJDEP GWQS are shaded and**bold**

ND: Analyte not detected in sample

NA: Not Apllicable NS: Not Sampled

[1] MBC - Maximum Background Crieteria for native metals. (Weston 1995)

[2]Low Flow Sampling Method used to collect sample

[3]Interim Criteria used as NJDEP criteria

LF: Low Flow Sampling

Table 5-1
Groundwater Sampling Results
M-14 Landfill Site
Fort Monmouth, New Jersey

Well ID			M14-MW20		NJDEP#29-32580															
Field Sample Location	**NJDEP**	**Site Specific**	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20
Lab Sample ID	**Clean-up**	**MBC[1]**	2677.04	2771.04	3151.05	3361.04	3555.02	3789.02	4026.03	4235.02	4510.03	4646.02	4854.02	5198.05	5418.05	5683.04	5656.02	5762.04	5833.05	232
Sample Date	**Criteria***		06/12/97	07/03/97	11/07/97	02/23/98	05/07/98	08/06/98	11/03/98	01/29/99	05/25/99	07/23/99	10/14/99	02/24/00	05/16/00	09/01/00	08/23/00	10/02/00	11/03/00	01/17/01
Round Number			1	2	3	4	5	6	7	8	9	10	11	12	13	14	LF1[2]	LF2[2]	15	16
Volatiles																				
Acetone	**700**	**N/A**	ND	ND	ND	ND	ND	16.55	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	7.45	ND
2-Butanone	**300**	**N/A**	ND	ND	ND	ND	ND	5.62	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND
Carbon Disulfide[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND
Chlorobenzene	**4**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND
MTBE [3]	**70**	**N/A**	ND	ND	ND	6.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND
tert-Butyl alcohol[3]	**100**	**N/A**	ND	ND	ND	**101.37**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND
Semi-Volatiles																				
Acenaphthene	**400**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND
Benzoic Acid[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND
Benzyl Alcohol	**2000**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND
bis(2-Ethylhexyl)phthalate	**30**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.91	ND	ND	ND	N/A	N/A	ND	ND
Di-n-butylphthalate	**900**	**N/A**	3.86	1.31	2.09	12.53 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND
4-Methylphenol[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND
N-nitroso-dimethylamine	**20**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND
Phenanthrene[3]	**100**	**N/A**	ND	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND
Phenol	**4000**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND
Pesticide/PCB																				
4,4'-DDE	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND
4,4'-DDD	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	0.03	ND	0.01	ND	ND	ND	ND	ND	N/A	N/A	ND	ND
4,4'-DDT	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND
Metals																				
Aluminum	**200**	**121000**	68.8	21.2	71	**286**	ND	**270**	67.8	149	139	**365**	**255**	132	126	**317**	**290**	48.9	103	ND
Antimony	**20**	**N/A**	ND	ND	ND	ND	ND	2.74	ND	ND	ND	4.23	2.58	ND	3.27	ND	3.25	ND	ND	ND
Arsenic	**8**	**N/A**	2	2	ND	ND	ND	3.77	3.94	ND	ND	3.86	**8.89**	5.83	ND	**14.8**	ND	ND	5	**11.8**
Barium	**2000**	**699**	28.9	14.6	14	60.4	25.5	30.6	17.7	22.5	43	42.1	61.3	35.9	ND	63.9	18.3	17.4	35.8	61.7
Beryllium	**20**	**N/A**	0.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	**4**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	1.63	1.12	0.916	ND	0.588	ND	ND	ND	ND	ND
Calcium	**NLE**	**45400**	35120	24700	34440	104400	63960	37300	41300	49400	45700	35500	89100	61600	49300	81000	34100	34600	44200	63400
Chromium	**100**	**191**	ND	ND	1.3	1.4	ND	3.49	1.89	2.18	4.96	3.78	4.33	1.87	7.69	ND	ND	ND	2.2	0.737
Cobalt	**NLE**	**N/A**	ND	ND	ND	3.5	ND	ND	ND	2.41	ND	ND	7.21	1.57	1.77	2.34	ND	ND	ND	0.651
Copper	**1000**	**65.6**	7	9	6	12	4.1	6.6	ND	ND	17.6	5.19	102	ND	282	ND	ND	120	20	ND
Iron	**300**	**431000**	**6990**	**2470**	**2335**	**12550**	**6921**	**6680**	**3360**	**7210**	**1490**	**10600**	**59800**	**9570**	**5130**	**27000**	**4650**	**5490**	**10500**	**15800**
Lead	**10**	**N/A**	0.8	ND	9	ND	ND	ND	ND	ND	ND	**26.9**	ND	ND	**48.5**	3.95	ND	**17.6**	2.81	ND
Magnesium	**NLE**	**62700**	2630	2350	2420	8500	4130	2980	2730	2350	5560	3180	6690	4600	3000	4860	2450	2720	3730	5220
Manganese	**50**	**331**	**147**	**75**	46.4	**677.2**	**196**	**61**	**57.8**	**146**	**88.8**	**57.7**	**445**	**225**	**167**	**281**	45.2	43	**79.8**	**234**
Mercury	**2**	**N/A**	ND	ND	0.3	ND	ND	ND	ND	0.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	**100**	**N/A**	ND	ND	ND	24	8.4	ND	2.59	14.6	4.32	1.12	49.1	8.52	28.7	13.2	ND	3.93	1.86	1.56
Potassium	**NLE**	**137000**	5160	5290	5080	9500	10450	7570	6110	5550	7770	5710	8210	7220	5650	8850	5260	5270	6720	7920
Selenium	**50**	**N/A**	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	**NLE**	**N/A**	**32**	**29**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7	ND	ND	ND	ND
Sodium	**50000**	**21500**	6100	6000	5860	14860	10630	6400	5760	7180	14000	6190	9990	9380	7190	8850	6110	6200	7130	10900
Vanadium	**NLE**	**N/A**	ND	ND	ND	ND	2.1	ND	ND	ND	1.14	1.34	1.56	ND	1.15	ND	ND	0.804	2	ND
Zinc	**5000**	**233**	37	24	45	108	12	42.1	17.4	133	2.3	23.7	323	45.1	432	137	29.4	170	52	46.3

Notes

billion (ppb) except for Wet Chemistry

NJDEP Criteria: Higher of Practical Quantitation Limits (PQLs) & Groundwater Quality Criteria (GWQC) NJAC 7:9-6

Exceedences of NJDEP GWQS are shaded and**bold**

ND: Analyte not detected in sample

NA: Not Apllicable NS: Not Sampled

(1) MBC - Maximum Background Crieteria for native metals. (Weston 1995)

(2)Low Flow Sampling Method used to collect sample

(3)Interim Criteria used as NJDEP criteria

LF: Low Flow Sampling

Table 5-1
Groundwater Sampling Results
M-14 Landfill Site
Fort Monmouth, New Jersey

Well ID			M14-MW21					NJDEP#29-32581												
Field Sample Location	**NJDEP**	**Site Specific**	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21
Lab Sample ID	**Clean-up**	**MBC[1]**	2677.03	2771.05	3151.04	3361.05	3555.03	3789.03	4026.01	4235.03	4510.02	4646.03	4854.03	5198.06	5418.06	5656.04	5683.05	5739.04	5833.06	233
Sample Date	**Criteria***		06/12/97	07/03/97	11/07/97	02/23/98	05/07/98	08/06/98	11/03/98	01/29/99	05/25/99	07/23/99	10/14/99	02/24/00	05/16/00	08/23/00	09/01/00	09/22/00	11/03/00	01/17/01
Round Number			1	2	3	4	5	6	7	8	9	10	11	12	13	LF1[2]	14	LF2[2]	15	16
Volatiles																				
Acetone	**700**	**N/A**	ND	ND	ND	ND	ND	13.36	6.57	ND	ND	ND	ND	ND	ND	N/A	6.23	N/A	5.28	ND
2-Butanone	**300**	**N/A**	ND	ND	ND	ND	ND	4.46	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Carbon Disulfide[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Chlorobenzene	**4**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
MTBE [3]	**70**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
tert-Butyl alcohol[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Semi-Volatiles																				
Acenaphthene	**400**	**N/A**	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Benzoic Acid[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Benzyl Alcohol	**2000**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.62	ND	ND	ND	N/A	ND	N/A	ND	ND
bis(2-Ethylhexyl)phthalate	**30**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Di-n-butylphthalate	**900**	**N/A**	3.66	3.87	1.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
4-Methylphenol[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
N-nitroso-dimethylamine	**20**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.54	ND	ND	ND	N/A	ND	N/A	ND	ND
Phenanthrene[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Phenol	**4000**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Pesticide/PCB																				
4,4'-DDE	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
4,4'-DDD	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
4,4'-DDT	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND	ND
Metals																				
Aluminum	**200**	**121000**	72.6	26.8	95	93	ND	**1190**	93	ND	**538**	64.7	99.9	ND	56.9	84.4	131	36	48.7	145
Antimony	**20**	**N/A**	0.5	ND	ND	ND	3.4	3.8	ND	ND	5.05	ND	2.32	ND	ND	2.44	ND	4.18	ND	ND
Arsenic	**8**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	5.38	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	**2000**	**699**	35.1	25.1	23.6	97.1	33.1	43	73.4	26.1	65.2	87.9	28	18.4	ND	23.4	24.7	24.5	25	36.7
Beryllium	**20**	**N/A**	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	**4**	**N/A**	2	ND	ND	ND	ND	2.95	ND	ND	2.59	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	**NLE**	**45400**	30100	29690	34450	48840	45440	44200	86800	32300	60700	79100	39900	30700	35000	34400	33700	32200	35100	41300
Chromium	**100**	**191**	0.7	ND	ND	ND	ND	11.5	3.9	3.06	3.75	2.85	3.3	ND	4.5	ND	ND	ND	2.08	0.644
Cobalt	**NLE**	**N/A**	ND	ND	ND	ND	ND	2.54	ND	ND	0.954	ND	ND	ND	ND	ND	ND	ND	ND	1.9
Copper	**1000**	**65.6**	10	7	12	11	ND	3.85	7.03	ND	18.4	3.98	63.9	ND	62.9	ND	ND	ND	247	ND
Iron	**300**	**431000**	**1470**	**940**	**690**	**5440**	**1009**	**3820**	**831**	**975**	**29100**	**650**	**1050**	**871**	**1040**	**788**	**955**	**941**	**834**	**1780**
Lead	**10**	**N/A**	ND	ND	9	ND	ND	ND	ND	ND	4.13	2.23	ND	ND	5.78	ND	ND	ND	**38.3**	ND
Magnesium	**NLE**	**62700**	4160	4310	4140	6670	6389	5090	9390	3610	3870	8940	4490	3620	4070	4040	3970	4000	4080	5030
Manganese	**50**	**331**	**64**	**84**	**58**	**85.4**	**54.6**	**91.9**	**117**	**67.4**	**231**	**110**	**77.2**	**69.8**	**83.1**	**78.3**	**71.2**	**82.3**	**85.8**	**93.4**
Mercury	**2**	**N/A**	ND	ND	0.3	0.2	ND	ND	ND	0.18	ND	ND	ND	ND	ND	ND	0.1	ND	ND	ND
Nickel	**100**	**N/A**	ND	ND	5.9	3.8	1.5	1.29	2.19	1.17	5.99	ND	1.14	ND	5.86	ND	ND	3.04	9.81	ND
Potassium	**NLE**	**137000**	6300	6360	6520	9230	10820	12600	11300	6240	7950	11200	6580	5870	6360	6820	6470	6600	7300	6940
Selenium	**50**	**N/A**	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	**NLE**	**N/A**	**83**	**56**	ND	ND	ND	ND	ND	ND	ND	ND	9.16	ND	ND	ND	ND	ND	ND	ND
Sodium	**50000**	**21500**	7050	6770	10300	25370	11820	7930	38800	12300	9230	47000	12000	6760	7840	6860	6710	6490	7040	12000
Vanadium	**NLE**	**N/A**	ND	ND	ND	ND	1.2	7.03	1.88	ND	3.01	1.73	ND	ND	ND	ND	ND	ND	1.48	ND
Zinc	**5000**	**233**	38	26	236	20	ND	47.5	ND	12	27.1	15.5	8.15	7.62	105	15.9	27.8	25.4	406	6.74

Notes

billion (ppb) except for Wet Chemistry

NJDEP Criteria: Higher of Practical Quantitation Limits (PQLs) & Groundwater Quality Criteria (GWQC) NJAC 7:9-6

Exceedences of NJDEP GWQS are shaded and**bold**

ND: Analyte not detected in sample

NA: Not Apllicable NS: Not Sampled

[1] MBC - Maximum Background Crieteria for native metals. (Weston 1995)

[2]Low Flow Sampling Method used to collect sample

[3]Interim Criteria used as NJDEP criteria

LF: Low Flow Sampling

Table 5-1
Groundwater Sampling Results
M-14 Landfill Site
Fort Monmouth, New Jersey

Well ID			M14-MW22			NJDEP#29-41787			
Field Sample Location	**NJDEP**	**Site Specific**	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22
Lab Sample ID	**Clean-up**	**MBC[1]**	5198.07	5418.07	5683.06	5648.02	5762.03	5833.07	234
Sample Date	**Criteria***		02/24/00	05/16/00	09/01/00	08/22/00	10/02/00	11/03/00	01/17/01
Round Number			12	13	14	LF1[2]	LF2[2]	15	16
Volatiles									
Acetone	**700**	**N/A**	ND	ND	ND	N/A	N/A	5.56	ND
2-Butanone	**300**	**N/A**	ND	ND	ND	N/A	N/A	ND	ND
Carbon Disulfide[3]	**100**	**N/A**	ND	ND	ND	N/A	N/A	ND	ND
Chlorobenzene	**4**	**N/A**	2.61	ND	1.56	N/A	N/A	1.33	2.23
MTBE [3]	**70**	**N/A**	ND	ND	ND	N/A	N/A	ND	ND
tert-Butyl alcohol[3]	**100**	**N/A**	ND	ND	ND	N/A	N/A	ND	ND
Semi-Volatiles									
Acenaphthene	**400**	**N/A**	ND	ND	ND	N/A	N/A	ND	ND
Benzoic Acid[3]	**100**	**N/A**	ND	ND	ND	N/A	N/A	ND	ND
Benzyl Alcohol	**2000**	**N/A**	ND	ND	ND	N/A	N/A	ND	ND
bis(2-Ethylhexyl)phthalate	**30**	**N/A**	ND	ND	ND	N/A	N/A	ND	ND
Di-n-butlylphthalate	**900**	**N/A**	ND	ND	ND	N/A	N/A	ND	ND
4-Methylphenol[3]	**100**	**N/A**	ND	ND	ND	N/A	N/A	ND	ND
N-nitroso-dimethylamine	**20**	**N/A**	ND	ND	ND	N/A	N/A	ND	ND
Phenanthrene[3]	**100**	**N/A**	ND	ND	ND	N/A	N/A	ND	ND
Phenol	**4000**	**N/A**	ND	ND	ND	N/A	N/A	ND	ND
Pesticide/PCB									
4,4'-DDE	**0.10**	**N/A**	ND	ND	ND	N/A	N/A	ND	ND
4,4'-DDD	**0.10**	**N/A**	ND	ND	ND	N/A	N/A	ND	ND
4,4'-DDT	**0.10**	**N/A**	ND	ND	ND	N/A	N/A	ND	ND
Metals									
Aluminum	**200**	**121000**	93.4	45.6	113	157	51.7	76.9	127
Antimony	**20**	**N/A**	ND	ND	ND	2.72	ND	ND	ND
Arsenic	**8**	**N/A**	ND	ND	ND	ND	ND	ND	ND
Barium	**2000**	**699**	119	ND	45.6	18.3	16.8	40.2	42.1
Beryllium	**20**	**N/A**	ND	ND	ND	ND	ND	ND	ND
Cadmium	**4**	**N/A**	ND	ND	ND	ND	ND	ND	ND
Calcium	**NLE**	**45400**	71200	45000	57400	45600	42800	53000	57700
Chromium	**100**	**191**	3.76	4.3	ND	ND	0.621	2.02	2.19
Cobalt	**NLE**	**N/A**	3.67	ND	0.746	ND	ND	ND	ND
Copper	**1000**	**65.6**	ND	ND	ND	ND	13	8.47	ND
Iron	**300**	**431000**	**21400**	**7400**	**6580**	**315**	266	**4380**	**8850**
Lead	**10**	**N/A**	ND	ND	ND	ND	ND	1.37	ND
Magnesium	**NLE**	**62700**	6590	5400	4230	2940	2780	3720	4300
Manganese	**50**	**331**	**422**	**117**	**102**	14.9	15.2	**88.6**	**101**
Mercury	**2**	**N/A**	0.1	ND	0.2	ND	ND	ND	ND
Nickel	**100**	**N/A**	7.19	4.12	ND	ND	1.19	1.58	ND
Potassium	**NLE**	**137000**	6180	6170	5710	4710	4390	5660	5890
Selenium	**50**	**N/A**	ND	ND	ND	ND	ND	ND	ND
Silver	**NLE**	**N/A**	ND	ND	ND	ND	ND	ND	ND
Sodium	**50000**	**21500**	10500	10500	6540	4370	4510	6150	5510
Vanadium	**NLE**	**N/A**	ND	ND	ND	ND	0.821	1.71	ND
Zinc	**5000**	**233**	146	14.9	81.5	33.1	20.5	58	50.5

Notes

billion (ppb) except for Wet Chemistry

NJDEP Criteria: Higher of Practical Quantitation Limits (PQLs) & Groundwater Quality Criteria (GWQC) NJAC 7:9-6

Exceedences of NJDEP GWQS are shaded and**bold**

ND: Analyte not detected in sample

NA: Not Apllicable NS: Not Sampled

[1] MBC - Maximum Background Crieteria for native metals. (Weston 1995)

[2]Low Flow Sampling Method used to collect sample

[3]Interim Criteria used as NJDEP criteria

LF: Low Flow Sampling

Table 5-1
Groundwater Sampling Results
M-14 Landfill Site
Fort Monmouth, New Jersey

Well ID			M14-MW23		NJDEP#29-41786				
Field Sample Location	**NJDEP**	**Site Specific**	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23
Lab Sample ID	**Clean-up**	**MBC[1]**	5198.08	5418.08	5656.03	5683.07	5739.03	5833.08	235
Sample Date	**Criteria***		02/24/00	05/16/00	08/23/00	09/01/00	09/22/00	11/3/100	01/17/01
Round Number			12	13	LF1[2]	14	LF2[2]	15	16
Volatiles									
Acetone	**700**	**N/A**	ND	ND	N/A	7.1	N/A	ND	ND
2-Butanone	**300**	**N/A**	ND	ND	N/A	ND	N/A	ND	ND
Carbon Disulfide[3]	**100**	**N/A**	ND	ND	N/A	ND	N/A	ND	ND
Chlorobenzene	**4**	**N/A**	ND	ND	N/A	ND	N/A	ND	ND
MTBE [3]	**70**	**N/A**	ND	ND	N/A	ND	N/A	ND	ND
tert-Butyl alcohol[3]	**100**	**N/A**	ND	ND	N/A	ND	N/A	ND	ND
Semi-Volatiles									
Acenaphthene	**400**	**N/A**	ND	ND	N/A	ND	N/A	ND	ND
Benzoic Acid[3]	**100**	**N/A**	ND	ND	N/A	ND	N/A	ND	ND
Benzyl Alcohol	**2000**	**N/A**	ND	ND	N/A	ND	N/A	ND	ND
bis(2-Ethylhexyl)phthalate	**30**	**N/A**	ND	ND	N/A	ND	N/A	ND	ND
Di-n-butlylphthalate	**900**	**N/A**	ND	ND	N/A	ND	N/A	ND	ND
4-Methylphenol[3]	**100**	**N/A**	ND	ND	N/A	4.97	N/A	ND	ND
N-nitroso-dimethylamine	**20**	**N/A**	ND	ND	N/A	ND	N/A	ND	ND
Phenanthrene[3]	**100**	**N/A**	ND	ND	N/A	ND	N/A	ND	ND
Phenol	**4000**	**N/A**	ND	ND	N/A	ND	N/A	ND	ND
Pesticide/PCB									
4,4'-DDE	**0.10**	**N/A**	ND	ND	N/A	ND	N/A	ND	ND
4,4'-DDD	**0.10**	**N/A**	ND	ND	N/A	ND	N/A	ND	ND
4,4'-DDT	**0.10**	**N/A**	ND	ND	N/A	ND	N/A	ND	ND
Metals									
Aluminum	**200**	**121000**	**251**	**691**	91.1	73.7	ND	23.4	ND
Antimony	**20**	**N/A**	**69.7**	ND	ND	ND	2.79	ND	ND
Arsenic	**8**	**N/A**	3.17	ND	3.93	4.65	4.77	2.71	3.71
Barium	**2000**	**699**	76.3	ND	8.37	10.8	65	15.7	89.9
Beryllium	**20**	**N/A**	ND	ND	ND	ND	ND	ND	ND
Cadmium	**4**	**N/A**	0.932	**5.96**	ND	ND	ND	ND	ND
Calcium	**NLE**	**45400**	57200	57900	40600	41500	47600	41700	52300
Chromium	**100**	**191**	**1340**	6.49	ND	ND	1.95	1.88	ND
Cobalt	**NLE**	**N/A**	24.5	1.74	ND	ND	ND	ND	ND
Copper	**1000**	**65.6**	352	ND	ND	ND	ND	2.9	ND
Iron	**300**	**431000**	**20000**	**6300**	**909**	**3310**	**7300**	**4050**	**16400**
Lead	**10**	**N/A**	**19.2**	ND	ND	ND	ND	ND	ND
Magnesium	**NLE**	**62700**	25500	4120	3790	3880	5640	4510	7980
Manganese	**50**	**331**	**395**	**159**	8.25	15.7	**131**	39.7	**244**
Mercury	**2**	**N/A**	ND	ND	ND	0.2	ND	ND	ND
Nickel	**100**	**N/A**	**15800**	6.28	ND	ND	4.44	ND	ND
Potassium	**NLE**	**137000**	7810	5870	5500	5350	6430	6280	6970
Selenium	**50**	**N/A**	ND	ND	ND	ND	ND	3.77	ND
Silver	**NLE**	**N/A**	ND	ND	ND	ND	ND	ND	ND
Sodium	**50000**	**21500**	30800	5750	6040	6460	15900	8900	25700
Vanadium	**NLE**	**N/A**	6.25	ND	ND	ND	ND	1.6	ND
Zinc	**5000**	**233**	413	861	24.5	36.1	10.5	40.7	ND

Notes

billion (ppb) except for Wet Chemistry

NJDEP Criteria: Higher of Practical Quantitation Limits (PQLs) & Groundwater Quality Criteria (GWQC) NJAC 7:9-6

Exceedences of NJDEP GWQS are shaded and**bold**

ND: Analyte not detected in sample

NA: Not Apllicable NS: Not Sampled

[1] MBC - Maximum Background Crieteria for native metals. (Weston 1995)

[2]Low Flow Sampling Method used to collect sample

[3]Interim Criteria used as NJDEP criteria

LF: Low Flow Sampling

Table 5-1
Groundwater Sampling Results
M-14 Landfill Site
Fort Monmouth, New Jersey

Well ID			M14-MW24			NJDEP#29-41788		
Field Sample Location	**NJDEP**	**Site Specific**	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24
Lab Sample ID	**Clean-up**	**MBC[1]**	5418.09	5656.05	5683.08	5762.06	5833.09	236
Sample Date	**Criteria***		05/16/00	08/23/00	09/01/00	10/02/00	11/03/00	01/17/01
Round Number			13	LF1[2]	14	LF2[2]	15	16
Volatiles								
Acetone	**700**	**N/A**	95.59	N/A	6.93	N/A	8.86	137.26 D
2-Butanone	**300**	**N/A**	11.23	N/A	ND	N/A	ND	ND
Carbon Disulfide[3]	**100**	**N/A**	ND	N/A	ND	N/A	0.61	ND
Chlorobenzene	**4**	**N/A**	ND	N/A	ND	N/A	ND	ND
MTBE [3]	**70**	**N/A**	ND	N/A	ND	N/A	ND	ND
tert-Butyl alcohol[3]	**100**	**N/A**	ND	N/A	ND	N/A	ND	ND
Semi-Volatiles								
Acenaphthene	**400**	**N/A**	ND	N/A	ND	N/A	ND	ND
Benzoic Acid[3]	**100**	**N/A**	19.46	N/A	ND	N/A	ND	ND
Benzyl Alcohol	**2000**	**N/A**	ND	N/A	ND	N/A	ND	ND
bis(2-Ethylhexyl)phthalate	**30**	**N/A**	ND	N/A	ND	N/A	ND	ND
Di-n-butlylphthalate	**900**	**N/A**	ND	N/A	ND	N/A	ND	ND
4-Methylphenol[3]	**100**	**N/A**	2.59	N/A	ND	N/A	ND	ND
N-nitroso-dimethylamine	**20**	**N/A**	ND	N/A	ND	N/A	ND	ND
Phenanthrene[3]	**100**	**N/A**	1.32	N/A	ND	N/A	ND	ND
Phenol	**4000**	**N/A**	22.55	N/A	ND	N/A	ND	ND
Pesticide/PCB								
4,4'-DDE	**0.10**	**N/A**	ND	N/A	ND	N/A	ND	0.012
4,4'-DDD	**0.10**	**N/A**	ND	N/A	ND	N/A	ND	0.03
4,4'-DDT	**0.10**	**N/A**	ND	N/A	ND	N/A	ND	ND
Metals								
Aluminum	**200**	**121000**	**626**	135	**1320**	170	**239**	ND
Antimony	**20**	**N/A**	ND	3.46	3.72	ND	ND	ND
Arsenic	**8**	**N/A**	**28.6**	**29.5**	**24.5**	**17.1**	**17.8**	**16**
Barium	**2000**	**699**	ND	29.7	30.7	28	30.5	32.9
Beryllium	**20**	**N/A**	ND	ND	ND	ND	ND	ND
Cadmium	**4**	**N/A**	ND	ND	ND	ND	ND	ND
Calcium	**NLE**	**45400**	119000	152000	143000	136000	153000	210000
Chromium	**100**	**191**	8.97	ND	1.6	7.82	12.4	4
Cobalt	**NLE**	**N/A**	1.06	ND	1.02	ND	ND	ND
Copper	**1000**	**65.6**	ND	ND	ND	9.78	2.6	ND
Iron	**300**	**431000**	**2720**	**2050**	**10700**	**6210**	**6280**	**4110**
Lead	**10**	**N/A**	ND	1.19	9.18	ND	ND	ND
Magnesium	**NLE**	**62700**	17700	25800	50900	37800	46500	40600
Manganese	**50**	**331**	**71.3**	**126**	**186**	**164**	**194**	**179**
Mercury	**2**	**N/A**	ND	ND	0.2	0.13	ND	ND
Nickel	**100**	**N/A**	9.43	ND	2	1.48	ND	ND
Potassium	**NLE**	**137000**	12900	18800	28900	24900	27400	18300
Selenium	**50**	**N/A**	3.35	ND	8	9.5	12.1	4.37
Silver	**NLE**	**N/A**	ND	ND	ND	ND	ND	ND
Sodium	**50000**	**21500**	**119000**	**167000**	**169000**	**158000**	**148000**	**125000**
Vanadium	**NLE**	**N/A**	7.78	4.74	1.41	6.26	5.48	0.884
Zinc	**5000**	**233**	14.5	30.9	50.9	15.4	36.2	24.4

Notes

billion (ppb) except for Wet Chemistry

NJDEP Criteria: Higher of Practical Quantitation Limits (PQLs) & Groundwater Quality Criteria (GWQC) NJAC 7:9-6

Exceedences of NJDEP GWQS are shaded and**bold**

ND: Analyte not detected in sample

NA: Not Apllicable NS: Not Sampled

(1) MBC - Maximum Background Crieteria for native metals. (Weston 1995)

(2)Low Flow Sampling Method used to collect sample

(3)Interim Criteria used as NJDEP criteria

LF: Low Flow Sampling

Table 5-2
Surface Water Sampling Results
M-14 Landfill Site
Fort Monmouth, New Jersey

Stream Sampling Location - SS-9
October 1996 - February 2001

Lab Sample ID	NJDEP SWQS	2178.09	2223.04	2246.04	2298.04	2361.04	2375.04	2439.04	2810.04	3121.04	3331.04	3499.04	3816.04	4060.06	4300.04	4579.06	4802.06	4997.07	5211.07	5468.07	5658.07	5658.09	957
Sample Date	(ug/L)	10/08/96	11/25/96	12/12/96	01/29/97	02/26/97	03/10/97	04/08/97	07/17/97	10/30/97	02/10/98	04/21/98	08/19/98	11/17/98	02/25/99	06/29/99	09/21/99	12/08/99	03/01/00	06/12/00	08/24/00	11/20/00	02/21/01
Round		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Acetone	NLE	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.50	ND	25.08	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	NLE	NA	NA	NA	6.52	2.04	4.06	2.78	ND	2.14	6.00	4.73	1.69	ND	1.78	ND	1.91	ND	2.17	ND	1.11	1.87	1.72
Methylene chloride	2.49	**3.79 B**	**3.17 B**	**2.82**	1.34	ND	ND	1.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	0.39	ND	0.20	0.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1.09	0.24	0.49	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Stream Sampling Location - SS-19
November 1996 - February 2001

Lab Sample ID	NJDEP SWQS	2223.05	2246.05	2298.05	2361.05	2375.05	2439.05	2810.05	3121.05	3331.05	3499.05	3816.05	4060.07	4300.05	4579.07	4802.07	4997.08	5211.08	5468.08	5658.08	5868.08	958
Sample Date	(ug/L)	11/25/96	12/12/96	01/29/97	02/26/97	03/10/97	04/08/97	07/17/97	10/30/97	02/10/98	04/21/98	08/19/98	11/17/98	02/25/99	06/29/99	09/21/99	12/08/99	03/01/00	06/12/00	08/24/00	11/20/00	02/21/01
Round		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Carbon Disulfide	NLE	NA	NA	ND	3.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	NLE	NA	NA	9.70	2.77	4.14	6.44	ND	4.69	8.22	6.86	2.95	2.30	2.30	ND	3.53	2.60	2.92	ND	2.07	ND	2.99
Methylene chloride	2.49	**3.21 B**	**3.83**	2.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	0.39	0.25	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1.09	0.97	1.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Stream Sampling Location - SS-12
October 1996 - February 2001

Lab Sample ID	NJDEP SWQS	2178.12	2223.06	2246.06	2298.06	2361.06	2375.06	2439.06	2810.06	3121.06	3331.06	3499.06	3816.06	4069.03	4300.06	4579.08	4802.08	4997.20	5211.20	5468.09	5658.09	5868.09	959
Sample Date	(ug/L)	10/08/96	11/25/96	12/12/96	01/29/97	02/26/97	03/10/97	04/08/97	07/17/97	10/30/97	02/10/98	04/21/98	08/19/98	11/18/98	02/25/99	06/29/99	09/21/99	12/08/99	03/01/00	06/12/00	08/24/00	11/20/00	02/21/01
Round		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Acetone	NLE	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.54	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	NLE	NA	NA	NA	6.91	2.91	6.04	6.63	ND	5.67	6.54	ND	4.58	2.48	1.80	1.39	3.67	2.74	3.13	ND	2.00	1.87	1.89
Methylene chloride	2.49	**3.79 B**	**2.73 B**	**2.91**	1.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	0.39	0.02 J	0.26	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1.09	0.14	0.83	1.01	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).
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.
(1) Interim Groundwater Criteria

Table 5-3
Determination of Contaminants of Concern
M-14 Landfill Site
Fort Monmouth, New Jersey

Analyte	NJDEP Cleanup Criteria[1]	Site Specific Groundwater MBC[2]	Maximum Result	No. of NJDEP Criteria Exceedences	No. of Site Maximum Background Exceedences	Comments
Volatiles						
tert-Butyl alcohol	**100**	**N/A**	**101.37**	1	N/A	Not a Contaminant of Concern. Detection identified as isolated and marginal.
Metals						
Aluminum	**200**	**121000**	**1320**	13	0	Not a Contaminant of Concern. No exceedances of MBC.
Antimony	**20**	**N/A**	**69.7**	1	N/A	Not a Contaminant of Concern. No exceedances in low-flow sampling rounds.
Arsenic	**8**	**N/A**	**29.5**	9	N/A	Not a Contaminant of Concern. No exceedances in low-flow sampling rounds.
Cadmium	**4**	**N/A**	**5.96**	1	N/A	Not a Contaminant of Concern. No exceedances in low-flow sampling rounds.
Chromium	**100**	**191**	**1340**	1	1	Not a Contaminant of Concern. No exceedances in low-flow sampling rounds.
Iron	**300**	**431000**	**59800**	73	0	Not a Contaminant of Concern. Background Metal.
Lead	**10**	**N/A**	**48.5**	6	N/A	Not a Contaminant of Concern. Only one exceedance in low-flow sampling rounds. Exceedance identified as isolated and marginal.
Manganese	**50**	**331**	**4280**	66	8	Not a Contaminant of Concern. Background Metal.
Mercury	**2**	**N/A**	**2.52**	1	N/A	Not a Contaminant of Concern. No exceedances in low-flow sampling rounds.
Nickel	**100**	**N/A**	**15800**	1	N/A	Not a Contaminant of Concern. Background Metal.
Sodium	**50000**	**21500**	**169000**	6	11	Not a Contaminant of Concern. Sodium is not a contaminant of concern due to the proximity of the site to sea water.
Silver	**20**	**N/A**	**83**	6	N/A	Not a Contaminant of Concern. No exceedances in low-flow sampling rounds.

Notes:

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

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

N/A = Not Applicable

Exceeds NJDEP GWQC =

ND: Analyte not detected in sample

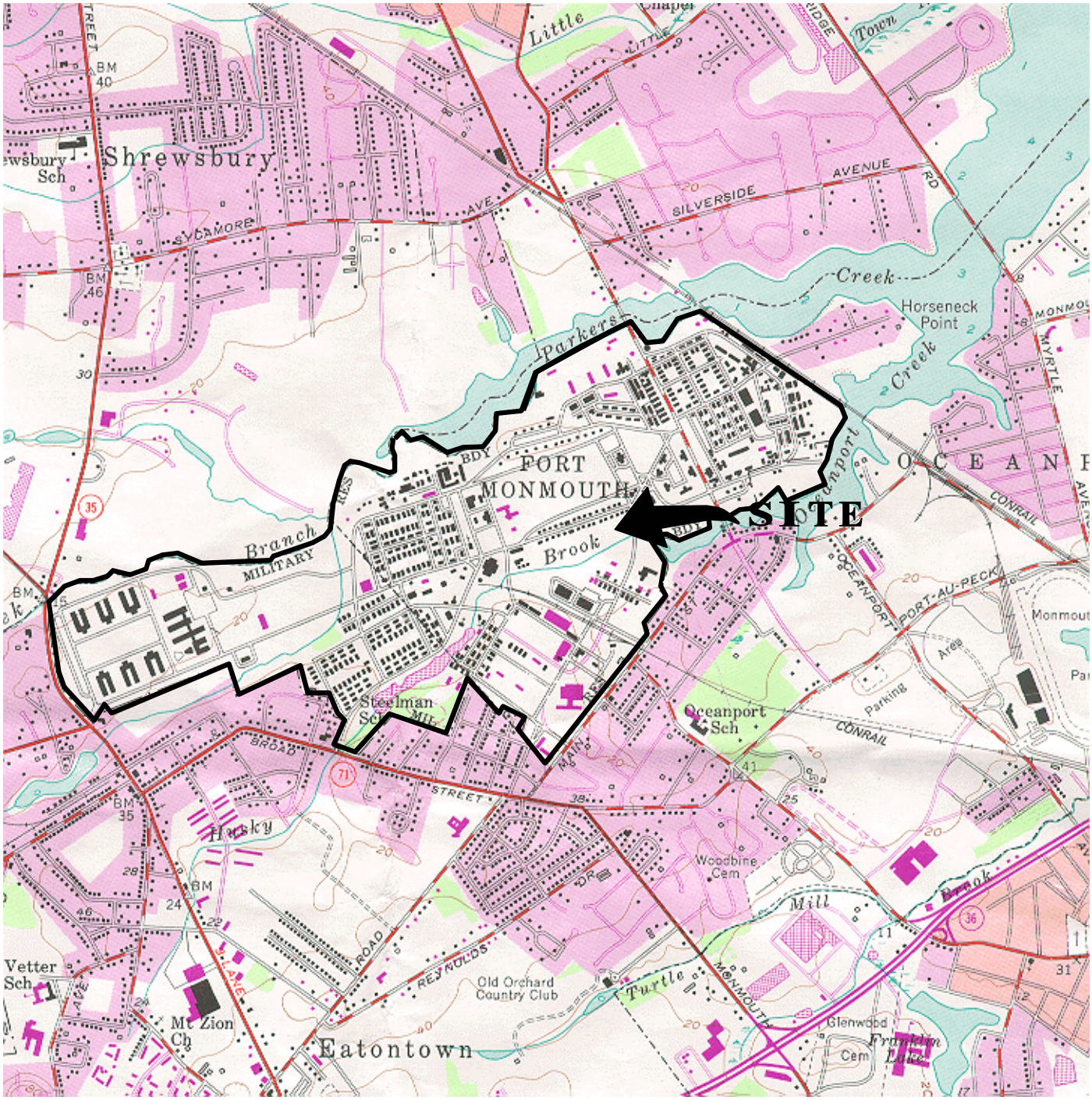
NLE: No limit established for this analyte

[1]Higher of Practical Quantitation Limits (PQLs) and Groundwater Quality Criteria (GWQC) per N.J.A.C. 7:9-6

[2]Fort Monmouth Summary of Site-specific Groundwater Maximum Background Concentrations (MBC); MBCs are shown for background (native) metals only. Weston, SI Report 1995

[3]Interim Criteria used as NJDEP criteria

FIGURES



LONG BRANCH, N. J.

40073-C8-TF-024

1954

PHOTOREVISED 1981

DMA 6164 I SE-SERIES V822

NEW JERSEY

QUADRANGLE LOCATION

Mapped, edited and published by the Geological Survey

FIGURE 2-1

Site Location Map
M-14 Landfill Site
Fort Monmouth, New Jersey

Versar INC.

Scale: 1" = 2000'	Date: June 2001

N

SALTZMAN AVENUE

GOSSELIN AVENUE

M-14 LANDFILL

GUARDHOUSE AVENUE

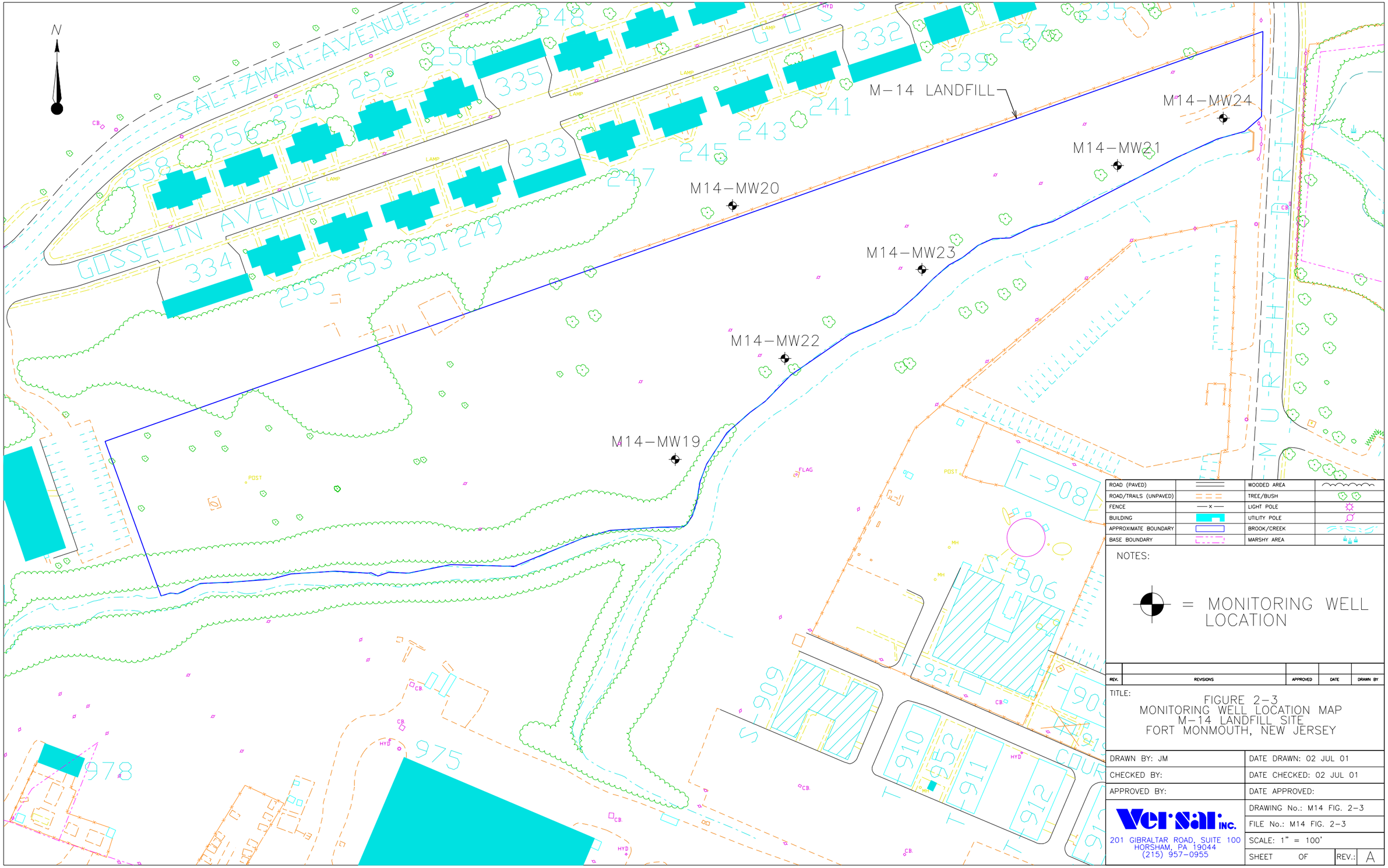
ROAD (PAVED)		WOODED AREA	
ROAD/TRAILS (UNPAVED)		TREE/BUSH	
FENCE	— x —	LIGHT POLE	
BUILDING		UTILITY POLE	
APPROXIMATE BOUNDARY		BROOK/CREEK	
BASE BOUNDARY		MARSHY AREA	

TITLE:

FIGURE 2-2
SITE MAP
M-14 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 02 JUL 01
CHECKED BY:	DATE CHECKED: 02 JUL 01
APPROVED BY:	DATE APPROVED:
	DRAWING No.: M14 FIG. 2-2
	FILE No.: M14 FIG 2-2
	SCALE: 1" = 100'
	SHEET OF REV.: A

Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955



ROAD (PAVED)		WOODED AREA	
ROAD/TRAILS (UNPAVED)		TREE/BUSH	
FENCE	—x—	LIGHT POLE	
BUILDING		UTILITY POLE	
APPROXIMATE BOUNDARY		BROOK/CREEK	
BASE BOUNDARY		MARSHY AREA	

NOTES:

⊕ = MONITORING WELL LOCATION

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 2-3
MONITORING WELL LOCATION MAP
M-14 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 02 JUL 01
CHECKED BY:	DATE CHECKED: 02 JUL 01
APPROVED BY:	DATE APPROVED:
	DRAWING No.: M14 FIG. 2-3
	FILE No.: M14 FIG. 2-3
	SCALE: 1" = 100'
	SHEET OF REV.: A

Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955

Geologic Map of New Jersey

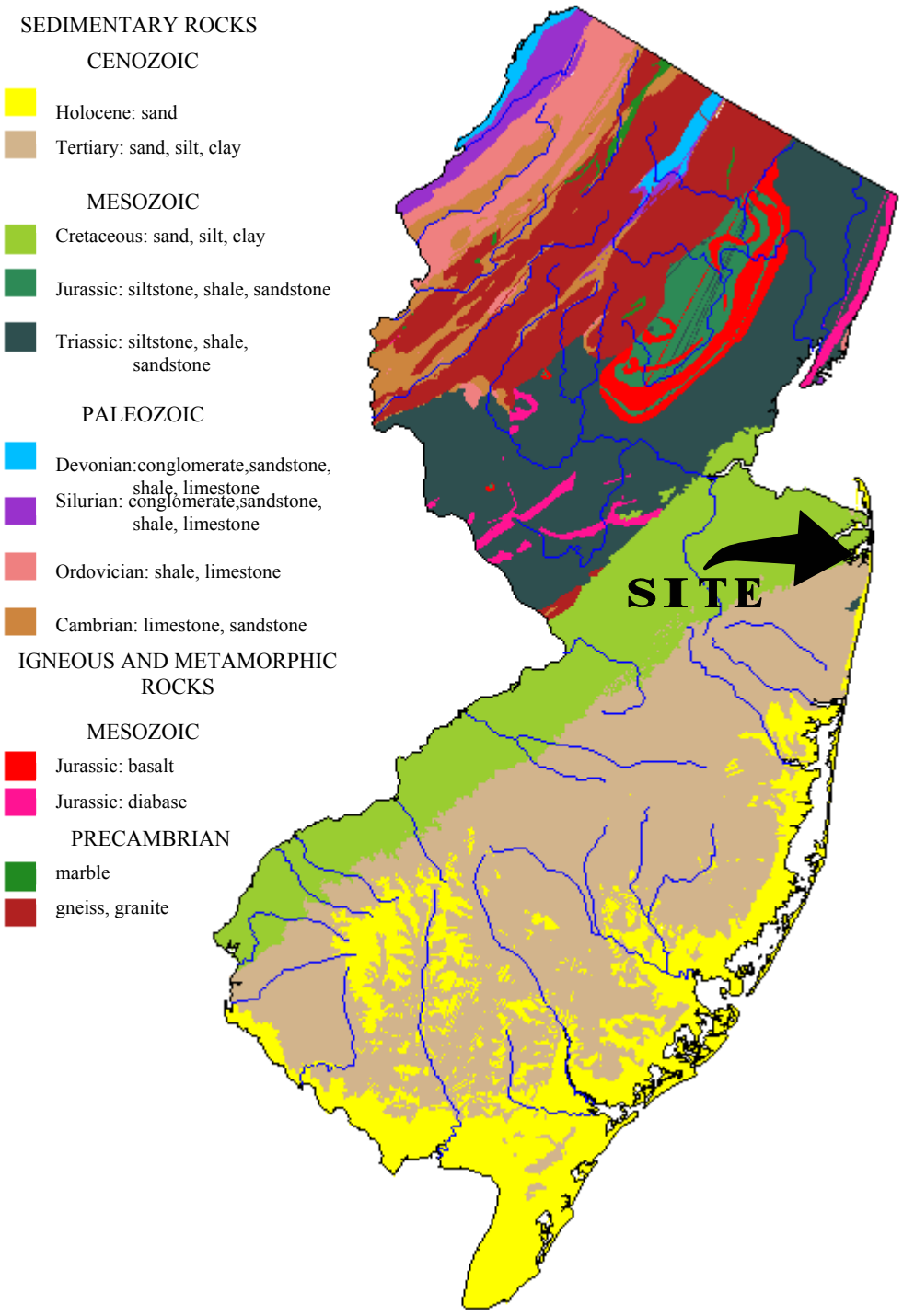
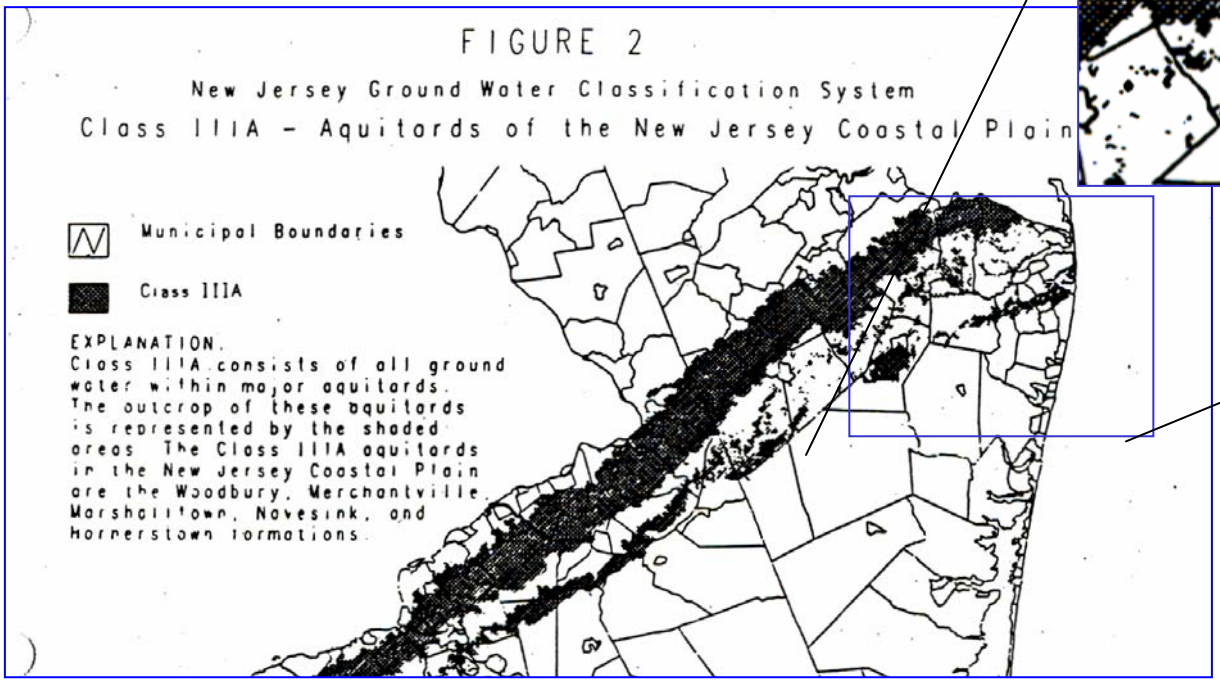
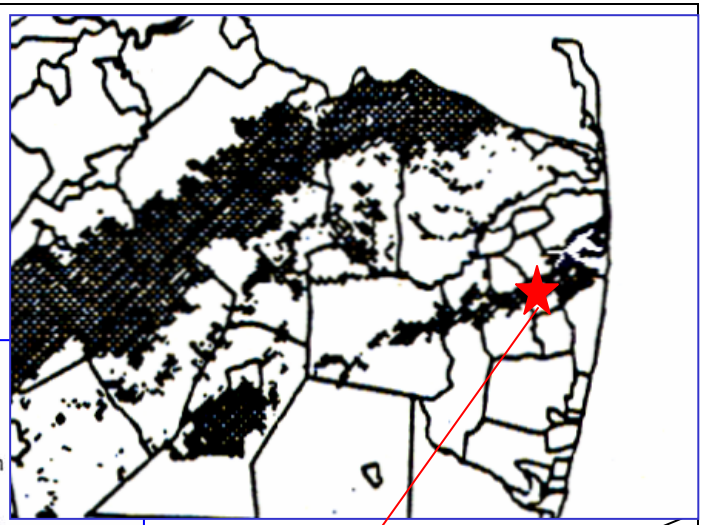


Figure 2-4
Geological Map of New Jersey
M-14 Landfill Site
Fort Monmouth, New Jersey

Source: New Jersey Geologic Survey, 1994, *Geologic Map of New Jersey*.

Versar INC.





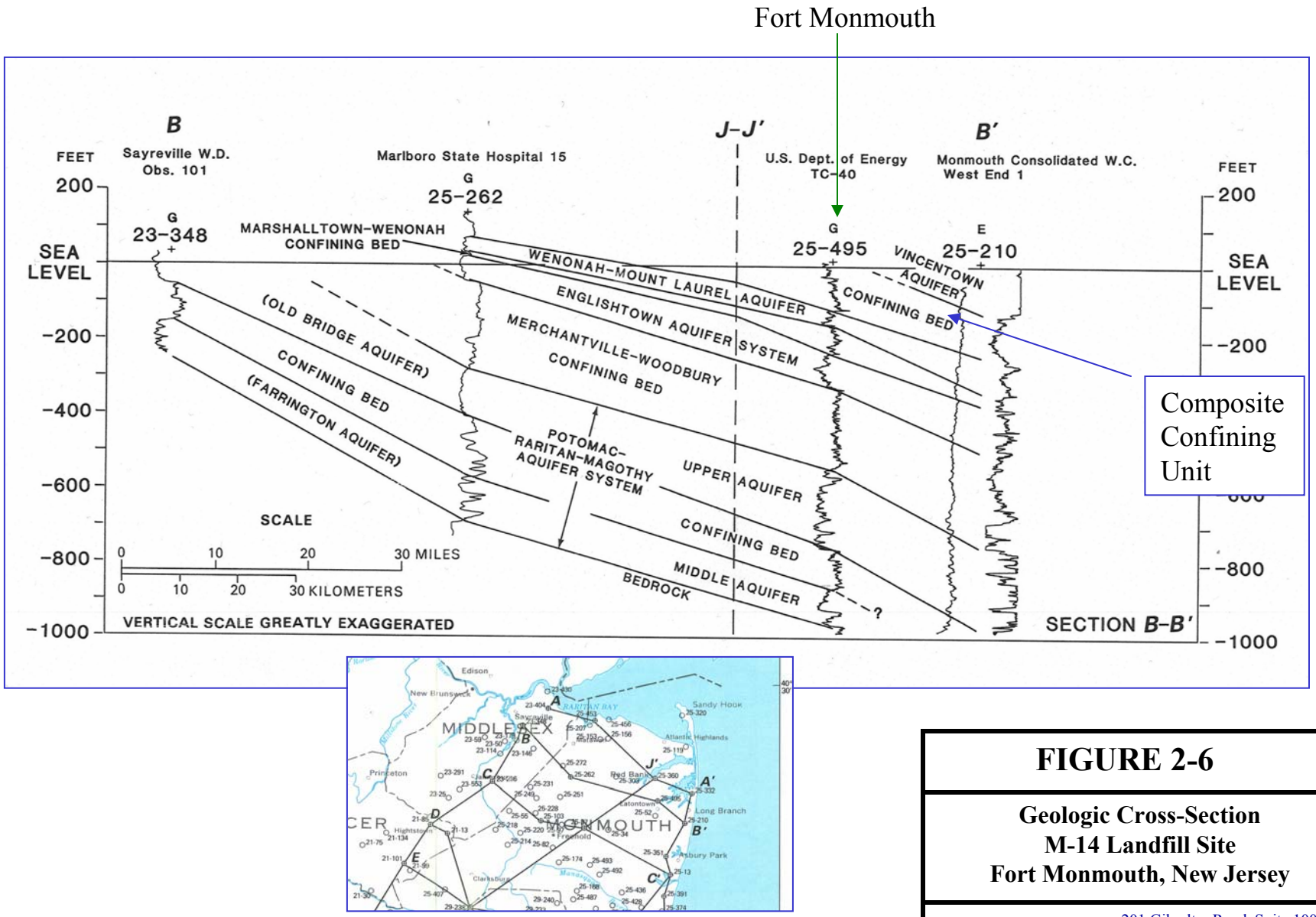
M-14 Landfill Site

Source: New Jersey Groundwater Quality Standards, NJAC 7:9-6

FIGURE 2-5

New Jersey Groundwater Classification
Class IIIA
M-14 Landfill Site
Fort Monmouth, New Jersey

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

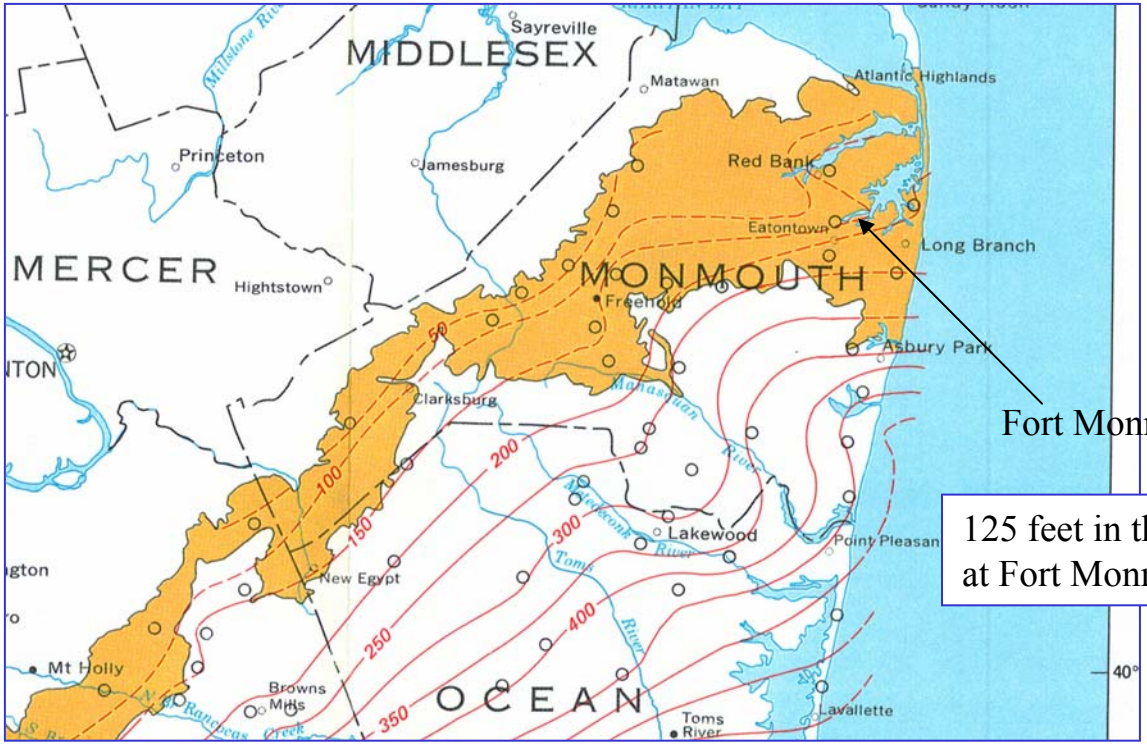


Source: Zapecza, O. 1989. *Hydrogeologic Framework of the New Jersey Coastal Plain.* USGS Professional Paper 1404-B. U.S. Government Printing Office, Washington, DC.

FIGURE 2-6

Geologic Cross-Section
M-14 Landfill Site
Fort Monmouth, New Jersey

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



EXPLANATION

Outcrop area of the Navesink Formation, Red Bank Sand, Tinton Sand, Hornerstown Sand, Vincentown Formation, and Manasquan Formation

600 — Line of equal thickness of the composite confining bed. Dashed where approximately located. Interval 50 feet

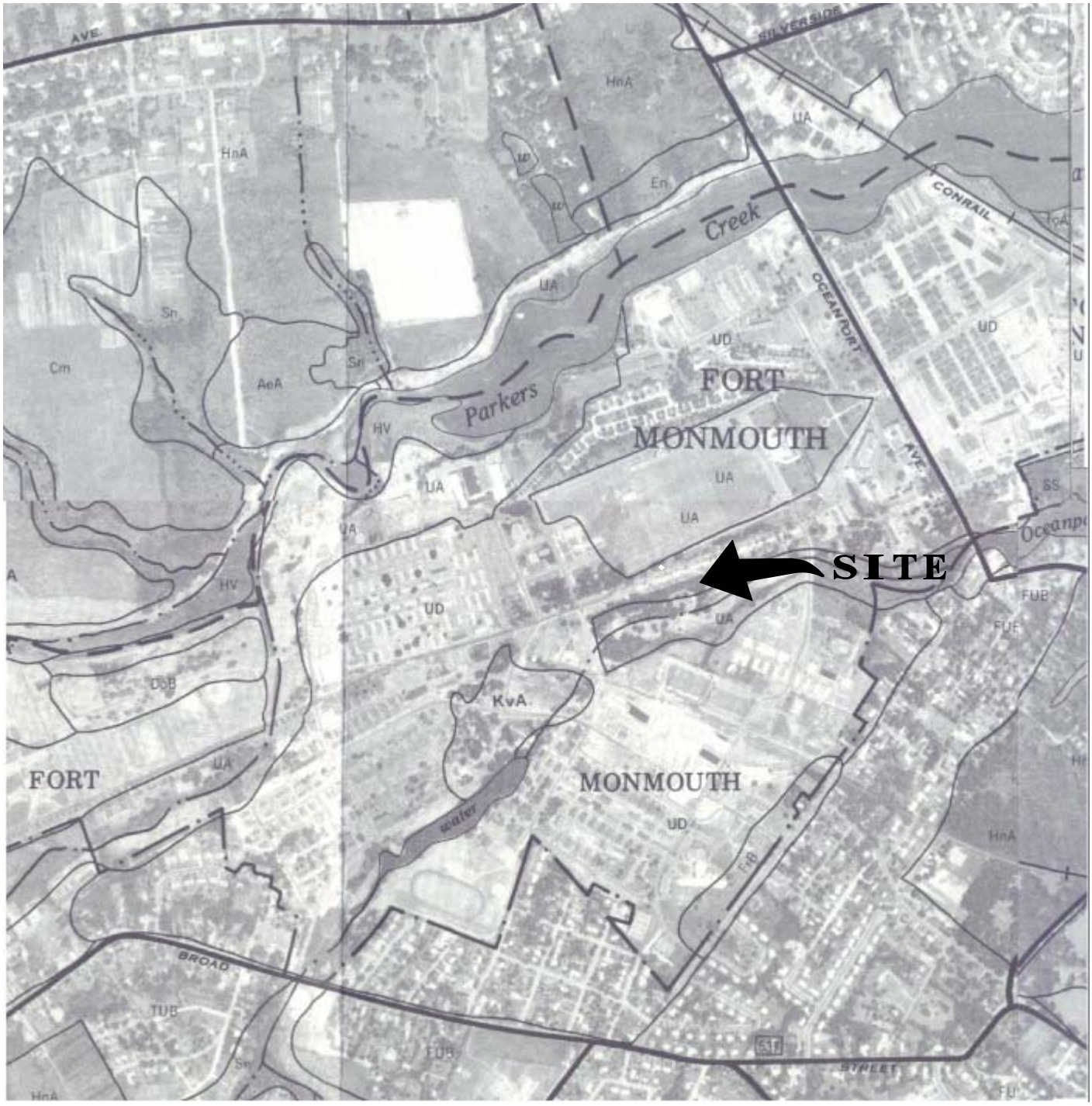
Well location

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

FIGURE 2-7

Outcrop and Thickness of Composite Confining Unit M-14 Landfill Site Fort Monmouth, New Jersey

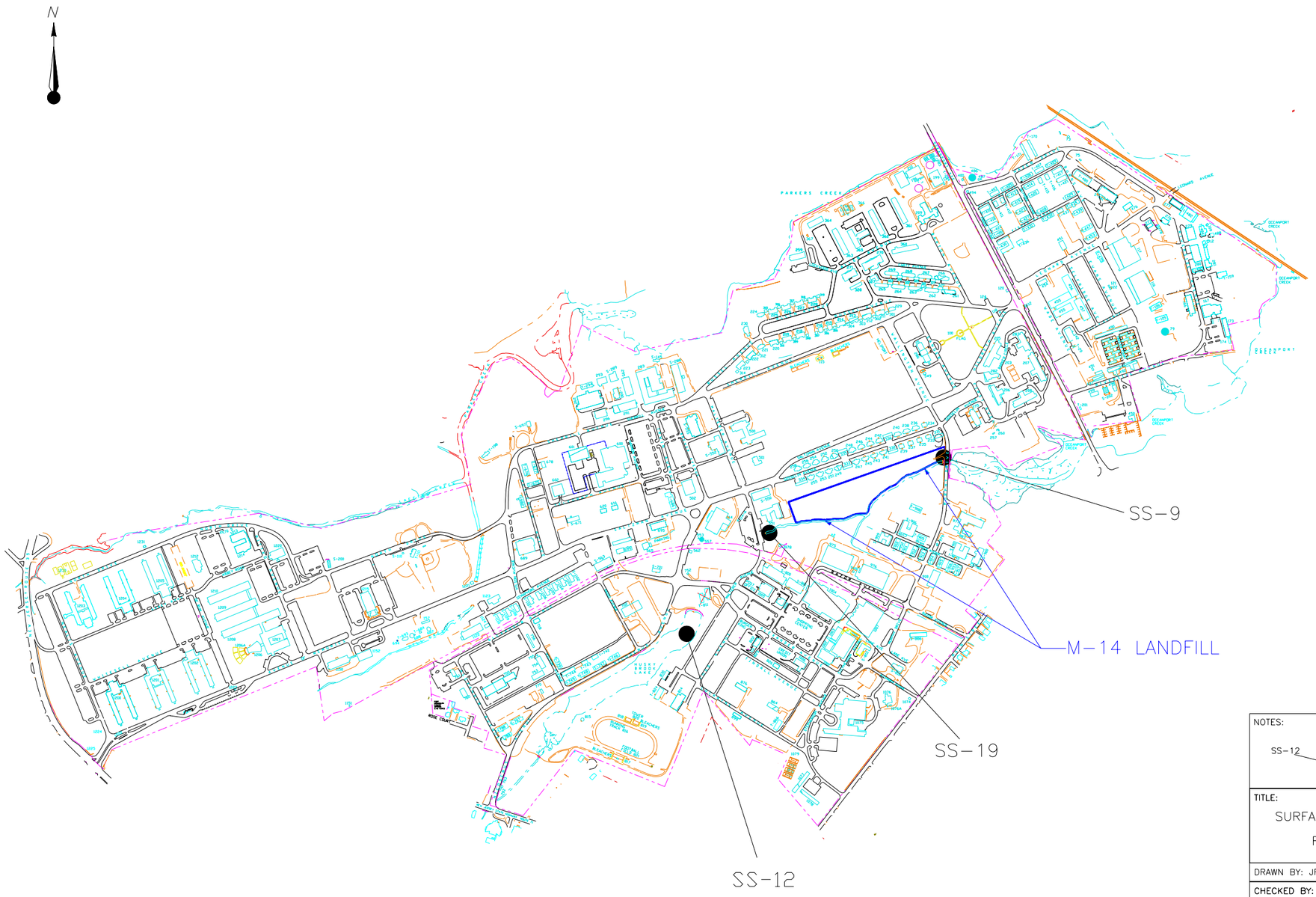
Versar Inc.
201 Gibraltar Rd., Ste. 100
Horsham, PA 19044
(215) 957-0955



US Department of Agriculture
Soil Conservation Service
Soil Survey of Monmouth County, NJ
April 1989

Figure 2-8
Soil Map of Monmouth County
M-14 Landfill Site
Fort Monmouth, New Jersey

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



NOTES:

SS-12 — SURFACE WATER SAMPLE LOCATION

TITLE:

FIGURE 3-1
SURFACE WATER SAMPLING LOCATION MAP
M-14 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JRA	DATE DRAWN: 11 NOVEMBER 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: M14 FIG. 3-1
	FILE No.: M-14 FIG. 3-1
	SCALE: 1" = 1000'
	SHEET OF REV.: A

Ver-Sal INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955

N

M-14 LANDFILL

M14-MW24

M14-MW21

M14-MW20

A

M14-MW23

M14-MW22

A'

M14-MW19

T-908

239

241

243

245

247

333

35

HYPERION DRIVE

ROAD (PAVED)		WOODED AREA	
ROAD/TRAILS (UNPAVED)		TREE/BUSH	
FENCE	—x—	LIGHT POLE	
BUILDING		UTILITY POLE	
APPROXIMATE BOUNDARY		BROOK/CREEK	
BASE BOUNDARY		MARSHY AREA	

NOTES:

= MONITORING WELL LOCATION

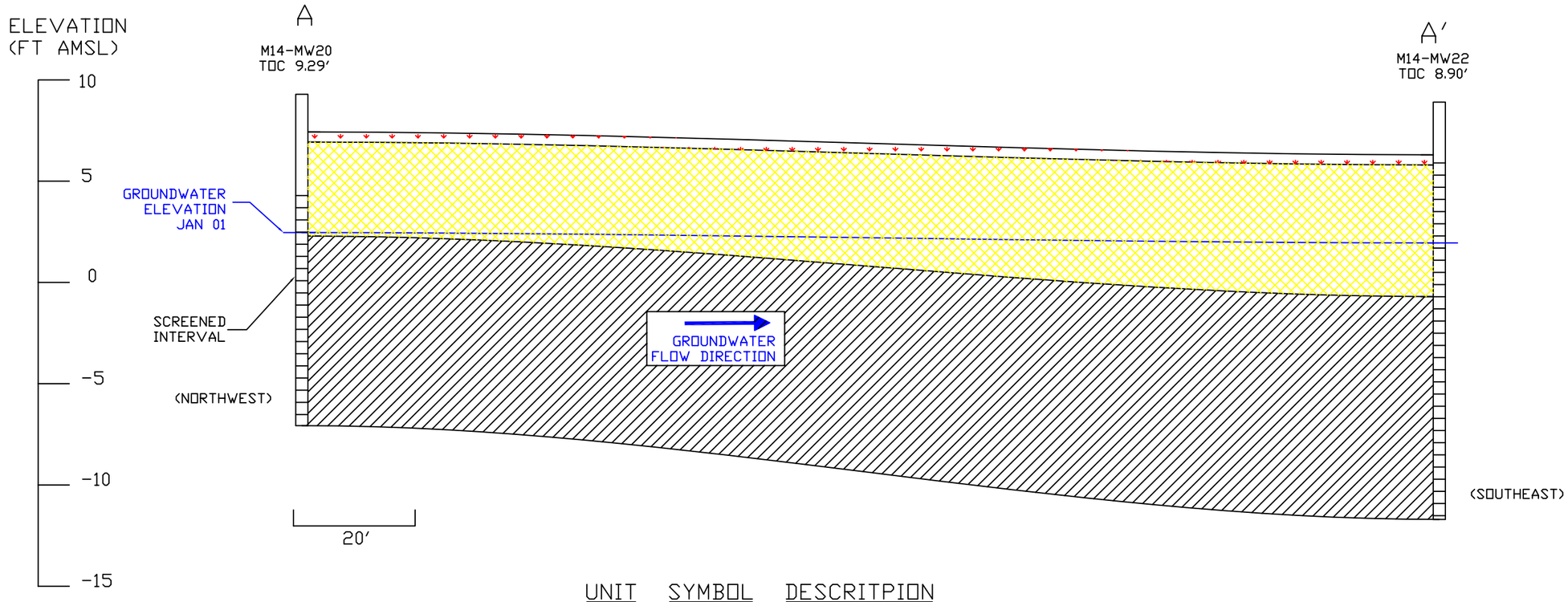
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-1
GEOLOGICAL CROSS SECTION LOCATION MAP
M-14 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 08 OCT 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: M14 FIG 4-1
	FILE No.: M14 FIG 4-1
	SCALE: 1" = 60'
	SHEET OF REV.: A

Ver-Sal INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955



UNIT	SYMBOL	DESCRIPTION
(1)		TOPSOIL AND ROOTS
(2)		BROWN MEDIUM TO COARSE SAND - FILL
(3)		GREENISH-GRAY TO BLACK SILTY CLAY

NOTES:

1) CROSS SECTION LINE (A TO A') IS SHOWN ON FIGURE 4-1.

2) VERTICAL SCALE: 1" = 6'.
HORIZONTAL SCALE: 1" = 20'.
VERTICAL EXAGGERATION = 3.33.

3) FT AMSL: FEET ABOVE MEAN SEA LEVEL

4) TOC = ELEVATION OF INNER WELL CASING SURVEY MARK (FT AMSL).

5) GROUNDWATER ELEVATION SHOWN IN FEET.

6) EACH OF THE WELLS HAS A DIAMETER OF 4 INCHES, WHICH IS ENLARGED ON THIS DRAWING FOR PRESENTATION.

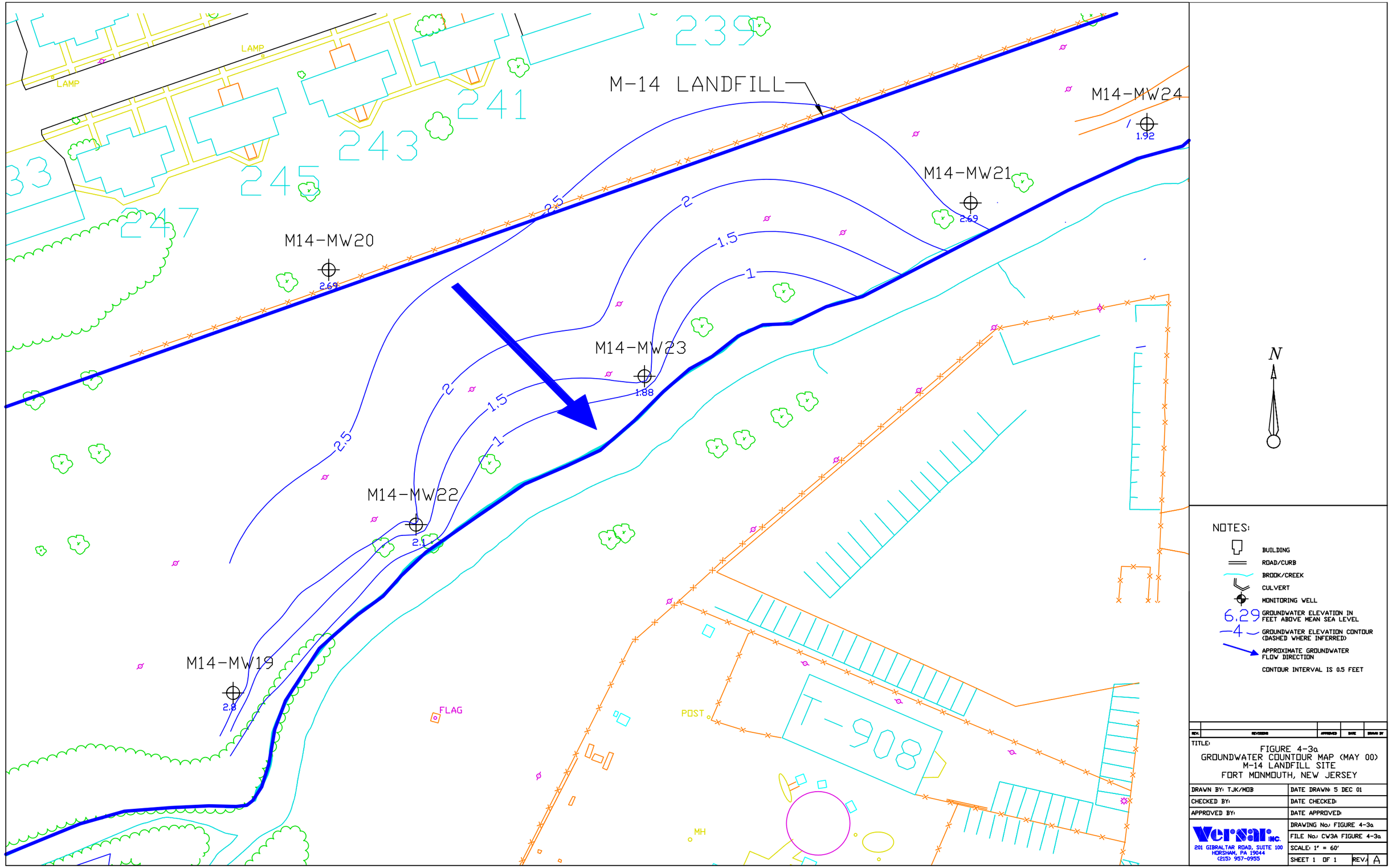
7) BOUNDARIES ARE DASHED WHERE INFERRED.

REV.	REVISIONS	APPROVED	DRAWN BY

TITLE:
FIGURE 4-2
GEOLOGIC CROSS SECTION A-A'
M-14 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJK/TJW	DATE DRAWN: 16 OCT 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIGURE 4-2
	FILE No.: M14 Figure 4-2
	SCALE: 1" = 20' (VERT:1"=3')
	SHEET 1 OF 1 REV.: A

Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955



NOTES:

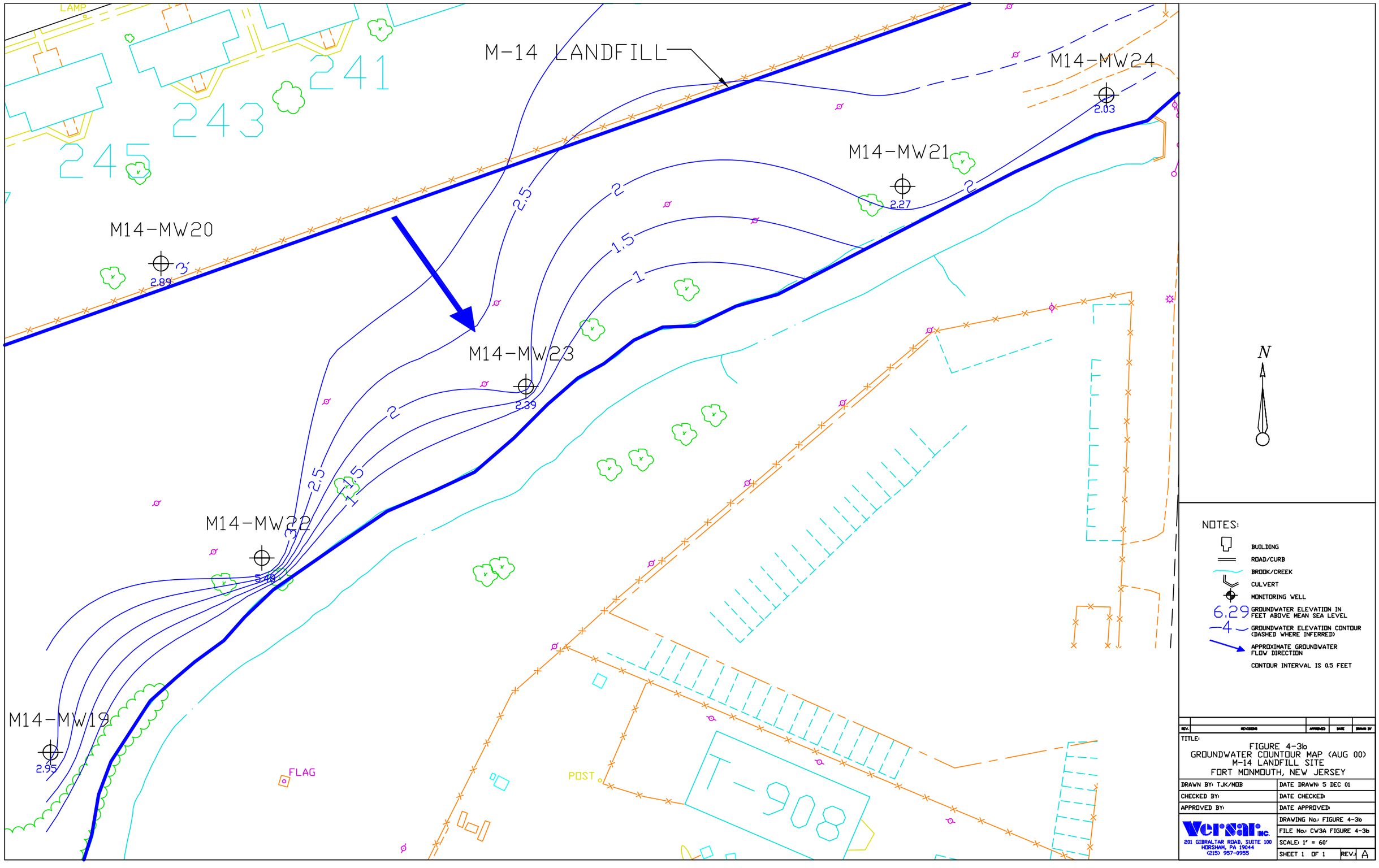
- BUILDING
- ROAD/CURB
- BROOK/CREEK
- CULVERT
- MONITORING WELL
- 6.29 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- −4 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- CONTOUR INTERVAL IS 0.5 FEET

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:
FIGURE 4-3a
GROUNDWATER COUNTOUR MAP (MAY 00)
M-14 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJK/MOB	DATE DRAWN: 5 DEC 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIGURE 4-3a
	FILE No.: CW3A FIGURE 4-3a
	SCALE: 1" = 60'
	SHEET 1 OF 1 REV.: A

Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955



NOTES:

- BUILDING
- ROAD/CURB
- BROOK/CREEK
- CULVERT
- MONITORING WELL
- 6.29 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- 4 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

CONTOUR INTERVAL IS 0.5 FEET

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3b
GROUNDWATER COUNTOUR MAP (AUG 00)
M-14 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJK/MDB	DATE DRAWN: 5 DEC 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIGURE 4-3b
	FILE No.: CW3A FIGURE 4-3b
	SCALE: 1" = 60'
	SHEET 1 OF 1 REV.: A

Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955

M-14 LANDFILL

M14-MW20
2.61

M14-MW21
2.23

M14-MW22
2.29

M14-MW23
1.68

M14-MW24
1.96

M14-MW19
2.69

239
241
243
245
247
33

LAMP
LAMP

2.5
2
1.5
1
2
1.5
2
1

FLAG
POST
MH
T-908

N

NOTES:

- BUILDING
- ROAD/CURB
- BROOK/CREEK
- CULVERT
- MONITORING WELL
- 6.29 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- 4 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

CONTOUR INTERVAL IS 0.5 FEET

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:
FIGURE 4-3c
GROUNDWATER COUNTOUR MAP (Sep 00)
M-14 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJK/MDB	DATE DRAWN: 5 DEC 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIGURE 4-3c
	FILE No.:M-14 FIGURE 4-3c
	SCALE: 1" = 60'
	SHEET 1 OF 1 REV.: A

Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955

M-14 LANDFILL

M14-MW20
2.79

M14-MW21
2.27

M14-MW24
2.33

M14-MW23
1.71

M14-MW22
2.13

M14-MW19
2.88

2
1.5
1
2.5

239
241
243
245
247
33

LAMP
LAMP

FLAG
POST
MH
T-908

N

NOTES:

- BUILDING
- ROAD/CURB
- BROOK/CREEK
- CULVERT
- MONITORING WELL
- 6.29 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- 4 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

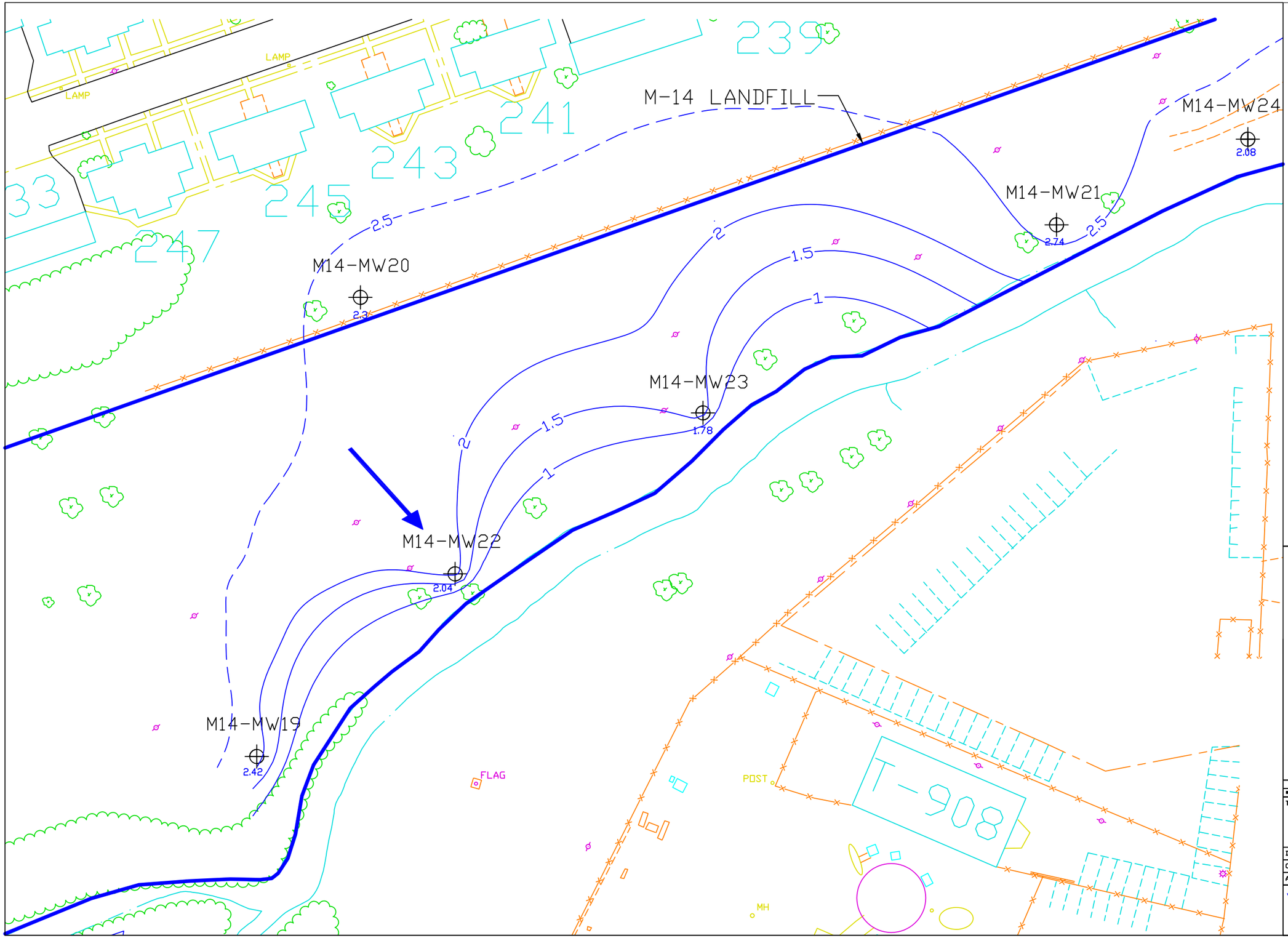
CONTOUR INTERVAL IS 0.5 FEET

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:
FIGURE 4-3d
GROUNDWATER COUNTOUR MAP (Oct 00)
M-14 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJK/MOB	DATE DRAWN: 5 DEC 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIGURE 4-3d
	FILE No.:M-14 FIGURE 4-3d
	SCALE: 1" = 60'
	SHEET 1 OF 1 REV.: A

Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955



N

NOTES:

- BUILDING
- ROAD/CURB
- BROOK/CREEK
- CULVERT
- MONITORING WELL
- 6.29 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- 4 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

CONTOUR INTERVAL IS 0.5 FEET

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3e
GROUNDWATER COUNTOUR MAP (Nov 00)
M-14 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJK/MOB	DATE DRAWN: 5 DEC 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIGURE 4-3e
	FILE No.:M-14 FIGURE 4-3e
	SCALE: 1" = 60'
	SHEET 1 OF 1 REV.: A

Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955

M-14 LANDFILL

M14-MW24
1.85

M14-MW21
2.47

M14-MW20
2.46

M14-MW23
1.53

M14-MW22
1.95

M14-MW19
2.56

239
241
243
245
247
33
LAMP
LAMP
FLAG
POST
MH
T-908

2
1.5
1
1.5
2
1

N

NOTES:

- BUILDING
- ROAD/CURB
- BROOK/CREEK
- CULVERT
- MONITORING WELL
- 6.29 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- 4 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:
FIGURE 4-3f
GROUNDWATER COUNTOUR MAP (Jan 01)
M-14 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJK/MOB	DATE DRAWN: 5 DEC 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIGURE 4-3f
	FILE No.:M-14 FIGURE 4-3f
	SCALE: 1" = 60'
	SHEET 1 OF 1 REV.: A

Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955

APPENDICES

Appendix A

M-14 Site Investigation, Roy F. Weston, Inc., 1995

4.2.9 Landfill 14 (M-14)

4.2.9 1 Site Location

Landfill 14 (M-14) is located on the north bank of Husky Brook in the area west of Murphy Drive (Figure 4.2-15). This area is north of the suspected location of Landfill 12. The approximate area of site M-14 is 300,000 ft^2 (6.9 acres).

4.2.9.2 Site History

Both a 1935 Fort Monmouth map and the 1940s aerial photograph show a marshy area in this location. According to the IA, Landfill 14 was used in 1965 and 1966 for the disposal of building rubble that was covered by dredgings from Husky Brook Lake. A figure in Cosulich shows a 1940s-era landfill in the western part of the area. This 1940s landfill may have contained general domestic and industrial wastes similar to that found in other Main Post landfills.

As part of an NJPDES permit, surface-water samples have been taken at two locations in Husky Brook since February 1986. The results are summarized in the recent report (WESTON, 1993). No compounds were detected in concentrations above the NJDEP surface-water criteria.

4.2.9.3 Sampling Effort

GPR and magnetometer surveys were conducted in the western half of this site to ascertain whether the landfill extends into this area. Three monitor wells (MW-19 through MW-21), shown in Figure 4.2-15, were installed and sampled twice for TCL +30 parameters, TAL metals, and cyanide. Tidal monitoring was conducted at the same time as the tidal monitoring at Landfill 12. Surface-water samples were taken at M14SW-1 and M14SW-2.

4.2.9.4 Geophysical Results

The magnetometer survey at site M-14 shows the majority of the site to have background total magnetic field readings of approximately 54,000 nT, as shown on the total magnetic field contour plot in Figure 4.2-21. However, anomalous readings exist at grid coordinates along the 100N traverse from 0E to 700E, 20N/100E, 40N/760E, 40N/810E, and 0 to 90S/300E to 700E. These anomalies, mostly represented by the blue contour interval or approximately 48,000 nT, can be attributed to cultural features such as a buried gas main, a fence, playground apparatus, and overhead power lines, respectively. The magnetic gradient component confirms the total field anomalies as shown in Figure 4.2-22. A smaller discrete anomaly exists at grid coordinate 40N from 420E to 470E, which is indicative of buried ferrous material.

The overhead power lines could be masking the magnetic response that any potential buried ferrous material may have, however, the GPR survey was conducted to identify any subsurface "disturbances" such as metallic fill material. Chaotic radar reflectors, indicative of fill material, coarse-grained soils, or disturbed soils, were found mainly along the treeline at grid coordinates 0 to 60S/150E to 250E, and 75S to 120S/400E to 475E. Chaotic radar reflectors, corresponding to a magnetic gradient anomaly, exist at 0 to 20N/450E to 575E, and are indicative of ferrous material. Hyperbolic radar signatures, identified as the gas main, were revealed along the 100N traverse at a depth of approximately 3 ft bgs.

While magnetometer and GPR anomalies exist throughout the site, a discrete landfill boundary was not identified at site M-14. This may be due in part to the composition of the fill material, as described in the lithologic logs, and the lack of metallic material.

4.2.9.5 Hydrogeologic Interpretation

Lithologic logs from site monitor wells indicate that the lithology consists of a thin soil cover (0.4 ft) underlain by fill material. The components of the filled materials observed in the borings consisted of concrete rubble, charcoal, wood, and glass fragments intermixed with a gray-green silty fine-coarse-grained sand with little clay and gravel.

Groundwater saturation was observed in the boreholes during activities between 4 and 6 ft bgs. The three monitor wells were screened across the water table, with total depths of 14, 15, and 16 ft bgs in MW-19, MW-20, and MW-21, respectively. Water-level elevation data, measured on 6 March 1995, indicate that local groundwater flow is south toward Husky Brook (Figure 4.2-20). Based on groundwater elevation measurements, monitor wells MW-19 and MW-21 are downgradient of the M-14 area.

4.2.9.6 Groundwater Sampling Results

Monitor wells at site M-14 were sampled for the analytical parameters listed in Table 3.8-1. The compounds detected in groundwater samples from the individual sampling rounds, with the corresponding sample identifications, are listed in Appendix D. Table 4.2-11 compares the average concentrations of the detected compounds from the February and March sampling rounds with the NJDEP GWQC, and then compares the results to the subsequent site-specific and Monmouth County maximum background concentration, where appropriate.

VOCs

VOCs were not detected in the site monitor wells from either sampling round.

SVOCs

SVOCs were not detected in the site monitor wells from either sampling round.

Pesticides/PCBs

Pesticides/PCBs were not detected in the site monitor wells in either sampling round.

Table 4.2-11
Fort Monmouth - Main Post
Summary of Average Concentrations of Detected Compounds in Groundwater - Site M-14

COMPOUND	METHOD DETECTION LIMIT (µg/L)	NJDEP GROUNDWATER QUALITY CRITERIA (µg/L)	MAXIMUM BACKGROUND CONCENTRATION (µg/L)	ANALYTICAL RESULTS (µg/L) SAMPLING DATE		
				MW19 2/20/95, 3/10/95 (avg.)	MW20 2/22/95, 3/13/95 (avg.)	MW21 2/22/95, 3/9/95 (avg.)
METALS TOTAL (µg/L)						
Aluminum	24.0	200	121000	**393**	**903.5**	**1380**
Arsenic	1.9	8*	89.3	ND	6.3	2.33
Barium	1.7	2000	699	214.5	48.7	35.2
Beryllium	0.9	20*	7[1]	ND	0.245	ND
Calcium	10.4	NLE	45400	38700	31850	32800
Cobalt	3.0	NLE	18.3	2.03	ND	ND
Chromium	2.9	100	191	4.925	9.625	12.65
Copper	1.9	1000	730[1]	8.15	8.3	2.35
Iron	6.4	300	431000	**41400**	**7960**	**5685**
Potassium	685	NLE	137000	4660	5316	7490
Magnesium	18.3	NLE	62700	5185	4270	4060
Manganese	1.8	50	480[1]	**550.5**	**199.5**	**64.45**
Sodium	30.5	50000	197000[1]	8815	22600	6700
Nickel	10.8	100	187	3.35	5.65	ND
Lead	1.6	10*	22.7	**18.75**	4.65	3.45
Vanadium	2.3	NLE	108	ND	6.25	8.75
Zinc	3.8	5000	233	89.5	14.5	13.5

Compounds exceding 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

ND - Indicates that the compound was not detected at the noted quantification limits

NLE - No Level Established

[1] - Monmouth County maximum background concentration.

Metals

As indicated in Table 4.2-11, of the 17 metals detected in site groundwater, 4 (aluminum, iron, manganese, and lead) were found in concentrations exceeding the NJDEP GWQC. In addition, manganese was found in a concentration greater than both the site-specific and the Monmouth County maximum background level in MW-19 only. 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. Aluminum and lead were found in concentrations below those determined for site-specific and Monmouth County maximum background levels.

Although the concentration of iron exceeded the Monmouth County background level in MW-19, the concentration was well below the site-specific background level established at the Main Post.

The lower reaches of Husky Brook are tidal. The sodium content of surface water is saline (Subsection 4.2.9.7), suggesting that saltwater has encroached upon this section of Husky Brook. The relatively high sodium content of the monitor wells in the vicinity of Husky Brook is caused by the saltwater encroachment.

Cyanide

Cyanide was not detected in the site monitor wells from either sampling round.

4.2.9.7 Surface-Water Sampling Results

Two surface-water samples, M14SW-1 and M14SW-2 were collected at M-14 (Figure 4.2-15). Both samples were determined to be saltwater based on conductivity and salinity results, and total (unfiltered) and soluble (filtered) concentrations were compared to NJDEP saltwater criteria and background (Table 4.2-12).

Table 4.2-12
Fort Monmouth - Main Post
Summary of Detected Compounds in Surface Water
Total and Soluble - Site M-14

COMPOUND	METHOD DETECTION LIMIT	NJDEP SURFACE WATER CRITERIA[a] SALINE WATER	MAXIMUM BACKGROUND CONCENTRATION (TOTAL)	MAXIMUM BACKGROUND CONCENTRATION (SOLUBLE)	ANALYTICAL RESULTS SAMPLING DATE - 12/1/1994			
					M14 (Total)		M14 (Soluble)	
					SW-1	SW-2	SW-1	SW-2
VOC's (µg/L)								
1,2-Dichloroethene (total)	4.4	NLE	ND	ND	4 J	5 J	NA	NA
SVOCs (µg/L)								
bis-(2-Ethylhexyl)phthalate	9.7	5.92 (hc)	ND	ND	ND	2 J	NA	NA
METALS TOTAL (µg/L)								
Aluminum	26.7	NLE	748	ND	188	205	ND	26.7
Barium	2.1	NLE	44.7	39.4	30	33.1	27.2	31.2
Calcium	12	NLE	31600	30900	16200	20400	16300	20300
Cobalt	2.4	NLE	8.1	4.1	ND	ND	ND	ND
Copper	2.4	NLE	3.2	4	2.9	5.3	5.6	4.9
Iron	4.7	NLE	6210	405	1920	2070	839	999
Lead	1.6	NLE	10	ND	3.4	2.8	3.1	3.2
Magnesium	38.2	NLE	5440	5120	9770	21400	9540	21600
Manganese	2.0	100 (h)	113	98.6	65.6	68.4	63.6	66.1
Nickel	12.8	NLE	22.9	16.1	14.2	ND	ND	ND
Potassium	821	NLE	5060	4280	4840	8320	4240	8220
Sodium	15.4	NLE	26700	26200	70100	168000	69100	171000
Zinc	2.8	NLE	35.1	23.8	23.7	23.4	14.4	13.2

[a] - 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.
) - 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 dectected above NJDEP Surface Water Criteria are noted by bold numbers.

VOCs

VOCs were analyzed for but were not detected above the laboratory quantitation limit in site surface-water samples.

SVOCs

SVOCs were analyzed for but were not detected above the laboratory quantitation limit in site surface-water samples.

Pesticides/PCBs

Pesticides/PCBs were analyzed for but were not detected in site surface-water samples.

Metals

As indicated in Table 4.2-12, no metals were found in concentrations exceeding the NJDEP surface-water criteria (saline).

4.2.9.8 Recommendations

The results of the geophysical surveys indicate that fill and some metallic debris exist throughout the site; however, a discrete landfill boundary was not identified at site M-14. This may be due in part to the composition of the fill material and the small amount of subsurface metallic material present at the site.

The groundwater and surface-water sampling results indicate that no compounds of concern were detected above NJDEP GWQC and surface-water criteria.

Tidal monitoring was conducted at site M-12 and site M-14 simultaneously. The results of the tidal monitoring are discussed in Subsection 6.1.6.

Although no compounds of concern were identified at site M-14, because of the site's history of being used as a landfill, 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. Contaminants identified in the first two rounds of sampling would be targeted for the monitoring program.

Appendix B

Boring Logs and Monitoring Well Construction Records

Ft. Monmouth LTM Well GPS Positions and Locations
Completed 8/8/01

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

(US SURVEY FEET)

ALL WELLS WERE GPS'D FOR A COMPLETE TWO MINUTES WHERE POSSIBLE. OFFSETS OTHERWISE WITH LASER.

M14 LANDFILL

Position/Desc.	Y Coord. (Northing)	X Coord. (Easting)
M14 MW19	539351.935	620768.256
M14 MW20	539644.709	620837.131
M14 MW21	539691.56	621282.11
M14 MW22	539466.503	620899.871
M14 MW23	539570.717	621056.665
M14 MW24	539749.015	621404.794

SERIAL # 003335

DWR-133M (10/96)

29 41 756
29 41 787
29 41 788

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

Permit No. _____

Mail to
NJDEP
Bureau Water Allocation
CN 426
Trenton, NJ 08625-0426

MONITORING WELL PERMIT

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 29 . 14 . 4 46

Owner U.S. ARMY / FT. MONMOUTH
Address c/o 173 RIVERSIDE AVE.
FT. MONMOUTH N.J. 07703

Name of Facility M-14 LANDFILL
Address MURPHY DR.
FT. MONMOUTH N.J. 07703

Driller LUTZ ENVIRONMENTAL CO INC.,
Address 2020 CLINTON ST., P.O. BOX 1247
LINDEN, NJ 07036

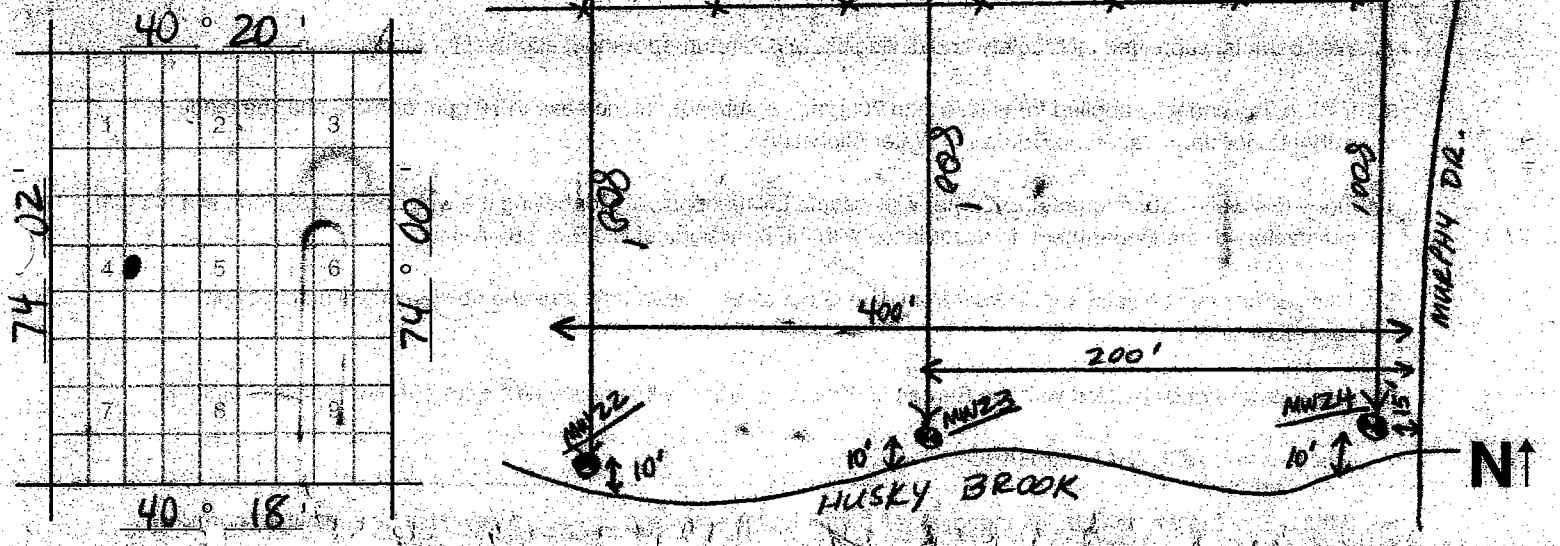
Diameter of Well(s)	4 Inches	Proposed Depth of Well(s)	15 Feet
# of Wells Applied for (max. 10)	3	Will pumping equipment be installed?	YES ☐ NO ☑
Type of Well (see reverse)	MONITOR	If Yes, give pump capacity	N/A cumulative GPM

Lot #	Block #	Municipality	County
N/A	N/A	OCEANPORT	MONMOUTH

State Atlas Map No. 29

LOCATION OF WELL(S), SAT. MAP

Draw sketch of well(s) nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.



FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT. PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ Spill Site
- ☐ ISRA Site
- ☐ CERCLA (Superfund) Site
- ☐ RCRA Site
- ☐ Underground Storage Tank Site
- ☐ Operational Ground Water Permit Site
- ☐ Pretreatment and Residuals Site
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☑ Other (explain) SANITARY LANDFILL

CASE I.D. Number _____

This Space for Approval Stamp

WELL PERMIT APPROVED
NJDEP
NOV - 9 1999
BUREAU OF WATER ALLOCATION

FOR D.E.P. USE

☐ Issuance of this permit is subject to the conditions attached. (see next page)
☒ For monitoring purposes only
☒ The well(s) may not be completed with more than 25 feet of total screen or uncased borehole.

REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT.

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 10-19-99 Signature of Driller Richard M Taylor Registration No. J1598

Signature of Owner Douglas Wright for Craig Rogent

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White

DWR 1.3 (rev 2/93)

[redacted]

Well Permit No. [redacted] Date Issued [redacted]

OWNER'S IDENTIFICATION - Owner [redacted]

Address [redacted]

City [redacted] State [redacted] Zip Code [redacted]

WELL LOCATION - If different than owner's address give address [redacted] Owner's Well No. MW-13

County [redacted] Municipality [redacted] Lot No. [redacted] Block No. [redacted]

Address [redacted]

Type of Well (Water Supply, Monitoring, Observation) [redacted] Date Well Completed 4-19-95

Proposed Use of Well (Same, Monitoring, Observation) [redacted] Case ID #

Well Construction Information

Depth from Ground Surface	Diameter	Material	Type and Method
0			Concrete Grout
5	4"	PVC	Sch 40 PVC
15	4"	PVC	Sch 40 PVC
15			Bentonite Pellets

Total Depth of Hole 15 ft

Static water level after drilling 5.5 ft

Water level was measured using [redacted]

Well was developed by [redacted] hours at [redacted] gpm

Method of development [redacted]

Was a monitoring or observation well installed? ☐ Yes ☒ No

Pump capacity [redacted] gpm

Pump type [redacted]

Drilling Method Hollow Stem Auger

Drilling Fluid [redacted] Type of Rig CME 55

Name of Driller [redacted]

Health and Safety Plan submitted? ☒ Yes ☐ No

Level of Protection used on site (circle one): None (D) C B

N.J. License No 30624

Name of Drilling Company [redacted]

GEOLOGIC LOG (Copies of driller's borehole log sheet(s) should be attached.)

Depth	Description
0-2'	Olive brown silty sand
2'-6'	Gray sand
6'-10'	Gray white sand
10'-15'	Gray sand

RECEIVED

I certify that I have drilled the above-referenced well in accordance with all well permit requirements and all applicable State rules and regulations.

Driller's Signature Steve Burgett (SB) Date 4-19-95

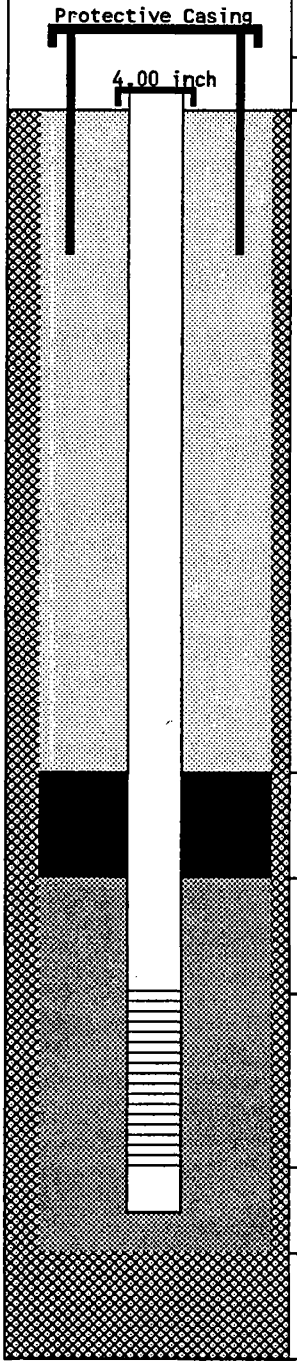
COPIES: White & Green - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.

Well Completion Summary — *Roy F. WESTON, Inc.*

CLIENT	FT. MONMOUTH	***DRILLING FIRM***	J.C. ANDERSON
SITE NAME	MAIN POST 14	***INSPECTOR***	P. THOMAS

WELL ID	MP14MW19
START DATE	01/04/95
COMPLETION DATE	01/04/95

WATER LEVELS



DEPTH		***ELEV.***
1.70	*TC*	9.68
0.00	*GS*	7.98
0.50	*BN*	7.48
3.50	*SP*	4.48
5.00	*SC*	2.98
14.54	*BS*	-6.56
15.00	*TD*	-7.02

DRILLING SUMMARY

Driller	STEVE BURGER
Drilling Fluid	WATER
Well Type	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 ***inch*** ***Interval:*** 0.00 to 5.00 ***ft.***
Type : PVC SCH 40

Stick Up Inner Casing: 1.70 ***ft.*** ***Protective Casing:*** 2.49 ***ft.***

Casing Grout: CEMT/BENT ***Interval:*** 0.00 to 0.50 ***ft.***

Seal Type: BENTONITE SLURRY ***Interval:*** 0.50 to 3.50 ***ft.***

Sand Pack Type : NO. 1 SAND MORIE ***Interval:*** 3.50 to 15.00 ***ft.***
Grain Size : UNIFORM ***Median Diameter:***
Screen Diameter: 4.00 ***Interval:*** 5.00 to 14.54 ***ft.***
Type : PVC ***Slots:*** 0.010 ***inches***

Silt Trap Interval: 14.54 to 15.00 ***ft.***
Backfill Type : ***Interval:*** 0.00 to 0.00 ***ft.***

WELL DEVELOPMENT

Date	01/16/95		
Method	Bailing, overpumping		
Yield	7 gpm	***Purged Volume***	345 gal

COMMENTS

TC = Top of Casing	SP = Top Sand Pack	= Grout
GS = Ground Surface	SC = Top Screen	= Seal
BN = Top Seal	BS = Bottom Screen	= Sand Pack
	TD = Total Depth	= Formation

Additional Comments:
Depths are measured below ground surface.

NOTE: Well Diagram not to Scale ***Elevations are feet above mean sea level***

GEOLIS Copyright (c) 1990, Roy F. WESTON, Inc. 06/20/95

BOREHOLE /WELL ID	SMP NUM	LTH NUM	LITHOLOGY INT. (FT BGS)		SAMPLING METHOD	SIZE GRAVEL	GRAVEL PCT.	SIZE SAND	SAND PCT	SILT PCT	CLAY PCT	ORGANIC PCT	ROCK TYPE	PLAST	SORT	STRENGTH	MOISTURE	STRAT UNIT
MP14MW19	1	1	0.00	1.40	SPS		0	MF	60	30	0	10		NA	POR	LSE	MST	
MP14MW19	1	2	1.40	2.00	SPS		0		0	0	0	0						
MP14MW19	2	1	2.00	2.60	SPS		0		0	0	0	0					WET	
MP14MW19	2	2	2.60	4.00	SPS		0		0	0	0	0						
MP14MW19	3	1	4.00	4.20	SPS		5	MF	55	30	10	0		NON	POR	SFT	SAT	
MP14MW19	3	2	4.20	6.00	SPS		0		0	0	0	0						
MP14MW19	4	1	6.00	6.50	SPS		0		0	0	0	0						
MP14MW19	4	2	6.50	8.00	SPS		0		0	0	0	0						
MP14MW19	5	1	8.00	10.00	SPS		0		0	0	0	0						
MP14MW19	6	1	10.00	12.00	SPS		0	MFC	60	30	10	0					SAT	
MP14MW19	7	1	12.00	14.00	SPS		0	MFC	60	30	10	0		NON	MOD	SFT	SAT	
MP14MW19	8	1	14.00	16.00	SPS		0	MFC	60	30	10	0		NON	MOD	SFT	SAT	

GEOLIS Copyright (c) 1990, Roy F. WESTON, Inc.

Engineer Topographic Laboratories
Star Chamber Expedition 3/19/1996

All input values are NAD 27, geographic coordinates.
All output values are NAD 27, state plane zone 2900 (FEET).

STATION	INPUT	(transformed to) OUTPUT
MP14MW19	40 18 47.30000 N	539629.611 N
	074 02 20.70000 W	2175020.694 E
Convergence		0 24 21.72
Scale Factor		1.00001005

DWR-139 M
12/91

New Jersey Department of Environmental Protection and Energy
Division of Water Resources

MONITORING WELL RECORD

Well Permit No. [illegible] 30[illegible]
Atlas Sheet Coordinates [illegible]

OWNER IDENTIFICATION Owner [illegible]
Address [illegible]
City [illegible] State NJ Zip Code 07103

WELL LOCATION - If not the same as owner/prospective address
County [illegible] Municipality [illegible] Owner's Well No. MW-4C
Address [illegible] Lot No. [illegible] Block No. [illegible]

TYPE OF WELL (as per Well Permit Categories) Monitoring Date Well Completed 4/14/95
Regulatory Program Requiring Well [illegible] Permit No.
DCRSTIL File - Primary I.D. Site Name (if applicable) Tax #

Well Construction Log

Total Depth Drilled 15.5 ft
Well Diameter 4 in
Borehole Diameter
Top 12 in
Bottom 12 in
Well was installed in [illegible] Aquifer
[illegible] Unconsolidated

Item	From (ft)	To (ft)	Diameter (inches)	Type and Material
Protective Casing	0	2	8	Steel
Riser Pipe	0	3.5	4	Sch 40 PVC
Screen	3.5	13.5	4	Sch 40 PVC .010 slot
Sump	13.5	15.5	4	Sch 40 PVC
Annular Seal	0	1.5		Cement bentonite
Monitoring Point	13.5			

If covered, above grade casing height (stick up) above land surface 2 ft
Was steel protective casing installed? [X] Yes [ ] No
Static water level after drilling 4.5 ft
Water level was measured using Acoustic Sounder
Well was developed for 2 hours at 5 gpm
Method of development Pumping
Was permanent pumping equipment installed? [ ] Yes [X] No
Pump capacity N/A gpm
Pump type N/A
Drilling Method HSA
Drilling Fluid Water Type of Rig CME 55
Name of Driller Wellington Reeves
Health and Safety Plan submitted? [X] Yes [ ] No
Level of Protection used on site (circle one) None (D) C B
N.J. License No. 34535
Name of Drilling Company [illegible]

GEOLOGIC LOG (Copies of other geological logs and/or geophysical logs should be attached.)

Depth	Description
0-2'	Dark brown sandy silt
2'-6'	Black silty sand
6'-12'	Green silt with sand
12-15.5'	Dark green black silt w/ sand

I certify that I have drilled the above-referenced well in accordance with all well permit requirements and all applicable State rules and regulations.

Driller's Signature Wellington Reeves (JD) Date 4-19-95

COPIES: White & Green - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.

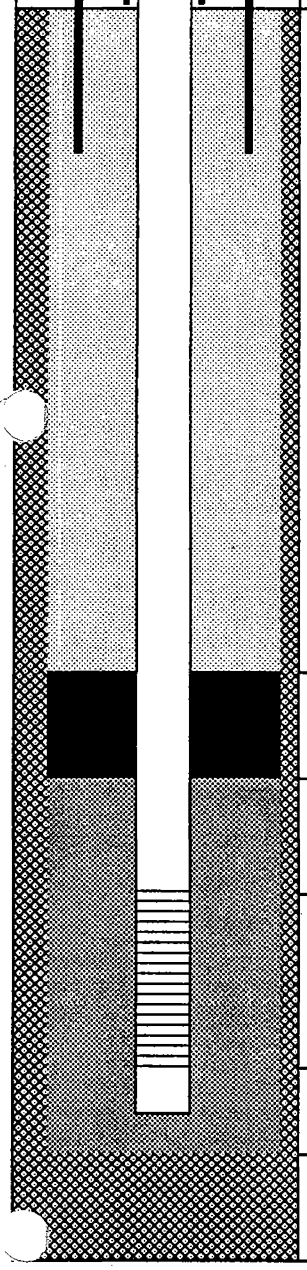
Well Completion Summary

Roy F. WESTON, Inc.

CLIENT	FT. MONMOUTH	***DRILLING FIRM***	J.C. ANDERSON
SITE NAME	MAIN POST 14	***INSPECTOR***	K. VALENTI

WELL ID	MP14MW20
START DATE	01/04/95
COMPLETION DATE	01/04/95

WATER LEVELS



DEPTH		*ELEV.*
1.86	*TC*	9.29
0.00	*GS*	7.43
1.00	*BN*	6.43
3.00	*SP*	4.43
4.50	*SC*	2.93
14.04	*BS*	-6.61
14.50	*TD*	-7.07

DRILLING SUMMARY

Driller	WELLS REEVE
Drilling Fluid	NONE
Well Type	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 ***inch*** ***Interval:*** 0.00 to 14.50 ***ft.***
Type : PVC SCH 40

Stick Up Inner Casing: 1.86 ***ft.*** ***Protective Casing:*** 2.34 ***ft.***

Casing Grout: PORTLAND CEMENT ***Interval:*** 0.00 to 1.00 ***ft.***

Seal Type: BENTONITE ***Interval:*** 1.00 to 3.00 ***ft.***

Sand Pack Type : #1 MORIE ***Interval:*** 3.00 to 14.50 ***ft.***
Grain Size : UNIFORM ***Median Diameter:***
Screen Diameter: 4.00 ***Interval:*** 4.50 to 14.04 ***ft.***
Type : PVC ***Slots:*** 0.010 ***inches***

Silt Trap Interval: 14.05 to 14.50 ***ft.***
Backfill Type : ***Interval:*** 0.00 to 0.00 ***ft.***

WELL DEVELOPMENT

Date	01/13/95		
Method	Surge blocking/bailing		
Yield	.5 gpm	***Purged Volume***	61 gal

COMMENTS

TC = Top of Casing	SP = Top Sand Pack	= Grout
GS = Ground Surface	SC = Top Screen	= Seal
BN = Top Seal	BS = Bottom Screen	= Sand Pack
	TD = Total Depth	= Formation

Additional Comments:

NOTE: Well Diagram not to Scale

Elevations are feet above mean sea level

GEOLIS Copyright (c) 1990, Roy F. WESTON, Inc.

06/20/95

Borehole Log

Roy F. WESTON, Inc.

PROJECT : FT. MONMOUTH		TOTAL DEPTH : 14.00	
SITE NAME : MAIN POST 14		LOGGER : K. VALENTI	
BORING ID : MP14MW20		DRILLING COMPANY : J.C. ANDERSON	
NORTHING : 0.0000 estimated		DRILLING RIG : CME-55	
EASTING : 0.0000 estimated		DATE STARTED : 01/04/94	
ELEVATION : 7.430 surveyed		DATE COMPLETED : 01/04/95	

ELEVATION	DEPTH	MATERIAL	% RECOVERY	CLASSIFICATION	COLOR	STRENGTH	MOISTURE	BLOW COUNT	FIELD INSTRUMENT READING	COMMENTS
				Elastic silt with sand, MH	GREEN	SFT	SAT		HNU 0.0	Uncertain
-3	11									
-4	12		100	Silt with sand, ML	DK GREEN BLK	FRM	SAT	3 6 6 7	HNU 0.0	Possible confining layer. TD of borehole 14' bgs.
-5	13									
-6	14									
-7	15									
-8	16									
-9	17									
-10	18									
-11	19									
-12	20									

GEOLIS Copyright (c) 1990, Roy F. WESTON, Inc.

Engineer Topographic Laboratories
Star Chamber Expedition 3/19/1996

All input values are NAD 27, geographic coordinates.
All output values are NAD 27, state plane zone 2900 (FEET).

STATION	INPUT	(transformed to) OUTPUT
MP14MW20	40 18 50.20000 N	539923.565 N
	074 02 19.80000 W	2175088.334 E
Convergence		0 24 22.33
Scale Factor		1.00001007

Well No.

Date

Page

Permit No.

Block No.

Lot No.

OWNER IDENTIFICATION: Owner

Address

City

WELL LOCATION: Street (list cross streets if owner unsure of exact location)

County

Address

Type of Well (as per Well Permit Categories)

Company/Person Drilling Well

Address

Well Diameter

Total Depth of Well

Well Screen to

Borehole Diameter

Depth of

Well Casing Material

Type

Surface Elevation

Static water level before drilling

Water level was measured using

Well was developed for

Method of development

Was permanent pumping equipment installed? ☐ Yes ☒ No

Pump capacity

Pump type

Drilling Method

Drilling Fluid

Name of Driller

Health and Safety Plan submitted? ☒ Yes ☐ No

Level of Protection used on site (circle one): None (D) C B A

N.J. License No.

Name of Drilling Company

Casing Material

Date Completed

Permit No.

Block No.

Lot No.

Casing Diameter

Depth

Screen

Type

Slot Size

Depth

Annular Material

Type

Depth

Material of Grouting

Type

Depth

GEOLOGIC LOG (Copies of other geologic logs and/or construction logs should be attached)

Depth	Description
0-10'	Brown sand
10'-16'	Gray sand

Type of Rig

Water Protection Unit

Signature

I certify that I have drilled the above-referenced well in accordance with all well permit requirements and all applicable State rules and regulations.

RECEIVED

Driller's Signature

Date 4-19-95

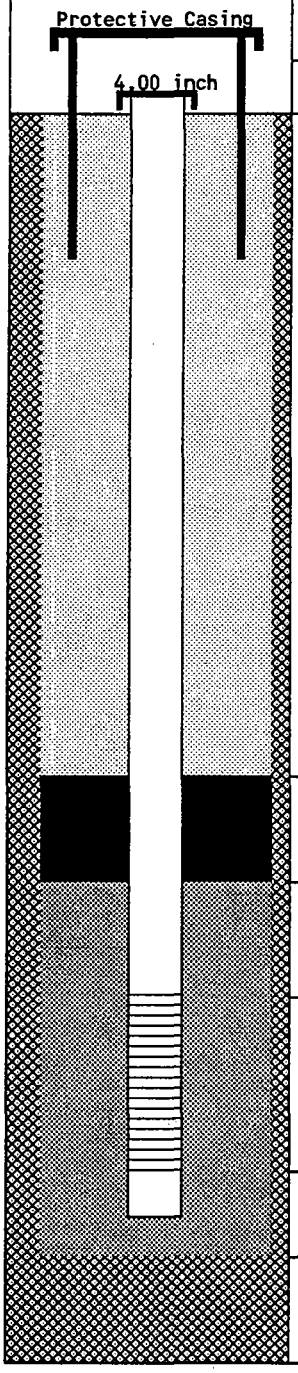
COPIES: White & Green - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.

Well Completion Summary — *Roy F. WESTON, Inc.*

CLIENT	FT. MONMOUTH	***DRILLING FIRM***	J.C. ANDERSON
SITE NAME	MAIN POST 14	***INSPECTOR***	P. THOMAS

WELL ID	MP14MW21
START DATE	01/04/95
COMPLETION DATE	01/04/95

WATER LEVELS



DEPTH		*ELEV.*
2.07	*TC*	9.57
0.00	*GS*	7.50
1.00	*BN*	6.50
4.00	*SP*	3.50
6.00	*SC*	1.50
15.54	*BS*	-8.04
16.00	*TD*	-8.50

DRILLING SUMMARY

Driller	STEVE BURGER
Drilling Fluid	WATER
Well Type	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 ***inch*** ***Interval:*** 0.00 to 6.00 ***ft.***
Type : PVC SCH 40

Stick Up Inner Casing: 2.07 ***ft.*** ***Protective Casing:*** 2.28 ***ft.***

Casing Grout: CEMT/BENT ***Interval:*** 0.00 to 1.00 ***ft.***

Seal Type: BENTONITE SLURRY ***Interval:*** 1.00 to 4.00 ***ft.***

Sand Pack Type : NO. 1 MORIE ***Interval:*** 4.00 to 16.00 ***ft.***
Grain Size : ***Median Diameter:***
Screen Diameter: 4.00 ***Interval:*** 6.00 to 15.54 ***ft.***
Type : ***Slots:*** 0.010 ***inches***

Silt Trap Interval: 15.54 to 16.00 ***ft.***
Backfill Type : ***Interval:*** 0.00 to 0.00 ***ft.***

WELL DEVELOPMENT

Date	01/13/95		
Method	Surge blocking/overpump		
Yield	0.5 gpm	***Purged Volume***	78 gal

COMMENTS

TC = Top of Casing
GS = Ground Surface
BN = Top Seal
SP = Top Sand Pack
SC = Top Screen
BS = Bottom Screen
TD = Total Depth

= Grout
= Seal
= Sand Pack
= Formation

Additional Comments:

NOTE: Well Diagram not to Scale ***Elevations are feet above mean sea level***

GEOLIS Copyright (c) 1990, Roy F. WESTON, Inc.

06/20/95

Borehole Log

Roy F. WESTON, Inc.

PROJECT : FT. MONMOUTH		TOTAL DEPTH : 18.00	
SITE NAME : MAIN POST 14		LOGGER : P. THOMAS	
BORING ID : MP14MW21		DRILLING COMPANY : J.C. ANDERSON	
NORTHING : 0.0000 estimated		DRILLING RIG : MOBILE B-57	
EASTING : 0.0000 estimated		DATE STARTED : 01/04/95	
ELEVATION : 7.500 surveyed		DATE COMPLETED : 01/04/95	

ELEVATION	DEPTH	MATERIAL	% RECOVERY	CLASSIFICATION	COLOR	STRENGTH	MOISTURE	BLOW COUNT	FIELD INSTRUMENT READING	COMMENTS
			65	Silty sand, SM	BROWN	SFT	MST	3 17 19 20	HNU 0.0	Fill, 0-0.4' bgs. consists of grass root fragments.
6	1			No Sample Recovered						
5	2		45	Silty sand, SM	BROWN	SFT	MST	12	HNU 0.0	Concrete rubble at 2.2' bgs.
				Fill	BROWN			100 0 0	HNU 0.0	
4	3		45	Interval Not Sampled						Augered interval.
3	4			Interval Not Sampled						Augered interval, Out of concrete interval @~8-9' bgs, next spoon 10-12'bgs Sat. observed 6'bgs ctngs
2	5									
1	6									
0	7									
-1	8									
-2	9									
-3	10		70	Poorly graded sand, SP	GREY	SFT	SAT	2 3 2 4	HNU 0.0	Uncertain/fill?

GEOLIS Copyright (c) 1990, Roy F. WESTON, Inc.

BOREHOLE ID : MP14MW21 *PROJECT NAME:* FT. MONMOUTH
BEGIN DATE : 01/04/95 *END DATE :* 01/04/95

LOGGER/COMPANY : P. THOMAS

BOREHOLE COMPLETED IN (<O>verburden <B>edrock) : O

TOTAL DEPTH : 18.00 *DEPTH TO BEDROCK :* 0.00

BOREHOLE DIAMETER #1: 12.25
INTERVAL: 0.00 ft. to 16.00 ft. BGS
METHOD : HSA *FLUID :* WATER
BOREHOLE DIAMETER #2: 2.00
INTERVAL: 16.00 ft. to 18.00 ft. BGS
METHOD : SPLIT SPOON *FLUID :* NONE
BOREHOLE DIAMETER #3:
INTERVAL:
METHOD : *FLUID :*

DRILLING COMPANY : J.C. ANDERSON
DRILLER : STEVE BURGER
DRILL RIG TYPE : MOBILE B-57

	ESTIMATED	*SURVEYED*
SURFACE ELEVATION :	0.000	7.500
N. COORDINATE :	0.0000	
E. COORDINATE :	0.0000	

WELL PERMIT.....(Y)es (N)o: N *PERMIT # :* NJ 29 32581

HOLE ABANDONED...(Y)es (N)o: N
WELL INSTALLED...(Y)es (N)o: Y
WELL CLUSTER.....(Y)es (N)o: N *No. OF WELLS :* 0
WELL NEST.....(Y)es (N)o: N *No. OF WELLS :* 0
PUMPS INSTALLED..(Y)es (N)o: N

	TYPE	*DEPTH*
PURGE :		0.00
SAMPLE :		0.00

BOREHOLE TESTING
BOREHOLE GEOPHYSICS.....(Y)es (N)o: N
SLUG TESTS.....(Y)es (N)o: N
PACKER TESTS.....(Y)es (N)o: N
PUMPING TESTS.....(Y)es (N)o: N

COMMENTS :
Latitude-North: 40 deg 18' 50.6"
Longitude-West: 74 deg 02' 14.0"

GEOLIS Copyright (c) 1990, Roy F. WESTON, Inc.

BOREHOLE /WELL ID	SMP NUM	LTH NUM	LITHOLOGY INT. (FT BGS)		SAMPLING METHOD	SIZE GRAVEL	GRAVEL PCT.	SIZE SAND	SAND PCT	SILT PCT	CLAY PCT	ORGANIC PCT	ROCK TYPE	PLAST	SORT	STRENGTH	MOISTURE	STRAT UNIT
MP14MW21	1	1	0.00	1.30	SPS		5	M	60	25	0	10		NA	MOD	SFT	MST	
MP14MW21	1	2	1.30	2.00	SPS		0		0	0	0	0						
MP14MW21	2	1	2.00	2.20	SPS		5	MF	60	25	0	10		NA	MOD	SFT	MST	
MP14MW21	2	2	2.20	2.90	SPS		0		0	0	0	0						
MP14MW21	3	1	2.90	4.00	NS		0		0	0	0	0						
MP14MW21	4	1	4.00	10.00	NS		0		0	0	0	0						
MP14MW21	5	1	10.00	10.80	SPS		0		0	0	0	0		NON	MOD	SFT	SAT	
MP14MW21	5	2	10.80	11.40	SPS		0	F	30	50	20	0		MOD	WEL	SFT	WET	
MP14MW21	5	3	11.40	12.00	SPS		0		0	0	0	0						
MP14MW21	6	1	12.00	13.40	SPS		0	MF	60	30	10	0		NON	MOD	SFT	SAT	
MP14MW21	6	2	13.40	14.00	SPS		0		0	0	0	0						
MP14MW21	7	1	14.00	15.20	SPS		0	MF	60	30	10	0		NON	MOD	SFT	SAT	
MP14MW21	7	2	15.20	16.00	SPS		0		0	0	0	0						
MP14MW21	8	1	16.00	17.80	SPS		0		60	30	10	0		NON	MOD	SFT	SAT	
MP14MW21	8	2	17.80	18.00	SPS		0		0	0	0	0						

GEOLIS Copyright (c) 1990, Roy F. WESTON, Inc.

Engineer Topographic Laboratories
Star Chamber Expedition 3/19/1996

All input values are NAD 27, geographic coordinates.
All output values are NAD 27, state plane zone 2900 (FEET).

STATION	INPUT	(transformed to) OUTPUT
MP14MW21	40 18 50.60000 N	539967.232 N
	074 02 14.00000 W	2175537.352 E
Convergence		0 24 26.08
Scale Factor		1.00001025

Driller's Signature

Registration No. [illegible] Date 12 / 28 / 90

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M14 MW22

U.S. ARMY
SELFM-PW-EV
JOSEPH FALLON
M14 LANDFILL
GROUNDWATER INVESTIGATION

DRILLING COMPANY	: LUTZ ENVIRONMENTAL	GEOLOGIST	: FRANK ACCORSI
DRILLER	: TIM WESTOVER	DATE COMPLETED	: 11/22/99
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO.	: 29 41 786
HOLE DIAMETER	: 11 INCH	NJDEP COORD.	: 29.14.446
SAMPLING METHOD	: 2 IN. SPLIT SPOON		

Depth in FEET	Samples	Blow Count	DESCRIPTION	USCS	OVA (PPM)
0	1		Green black medium-fine SAND, little Clayey SILT		0
1	2				
	3				0
2	4				
	5				0
3	6				
	7			SM	
4	8				0
	9				
5	10				0
	11				
	12				0
6	13				
	14				0
7	15		Black fine SAND,and Silty CLAY, organic		
	16				0
8	17		Wet @ 7 ft.		
	18				0
9	19				
	20				0
10					
11					
12				OL	
13					
14					
15					
16					
17					
18					

Well Construction Information

WELL CASING :
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : threaded
LENGTH : 5 feet

WELL SCREEN :
MATERIAL : PVC
DIAMETER : 4 inch
JOINTS : threaded
OPENING : 0.010 inch
LENGTH : 15 feet

SAND PACK : Morie #1

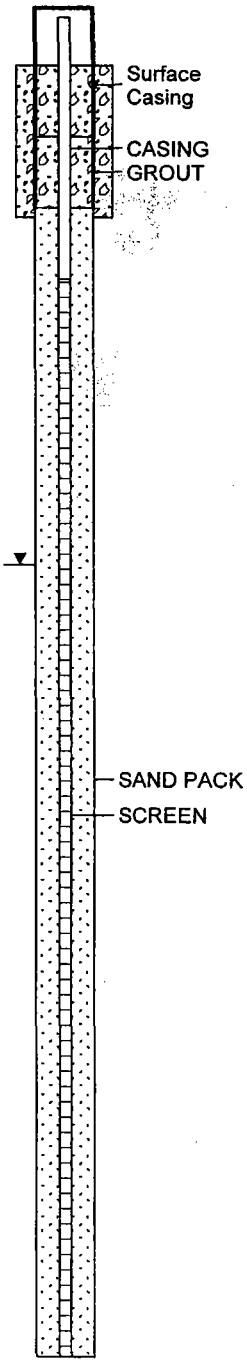
ANNULUS SEAL: portland/bentonite

STICKUP :
MATERIAL : steel
DIAMETER : 6 inch

NOTES

Development of the monitoring well was performed using a submersible pump until ground water was visibly free of sediments (approximately one-half hour)

Well: M14MW22
Elev.:



03-31-2000 X:\MTECH5\M14\M14MW22.BOR

LUTZ ENVIRONMENTAL CO., INC.

2020 CLINTON STREET · LINDEN, NEW JERSEY 07036 · (908)862-8888

BORING LOG:

WELL NO. MW 22 COORDINATE NO. 29-14-446 PERMIT NO. 29 - 41787

DATE DRILLED 11-22/99 COUNTY MONMOUTH USE MONITOR

LOCATION M-14 LANDFILL MURPHY DR. FT. MONMOUTH NJ 07703

OWNER U.S. ARMY / FT. MONMOUTH ADDRESS C/O RIVERSIDE AVE FT. MONMOUTH NJ.

DRILLING METHOD AUGER SAMPLING METHOD SPLIT SPOON / COMPOSITE

HOLE DIA 10" TOTAL DEPTH 18'

CASING:

TYPE MONOFLEX FLUSH MOUNT SLOT — DIA 4" LENGTH 3'

SCREEN:

TYPE MONOFLEX FLUSHMOUNT SLOT .010 DIA 4" LENGTH 15'

GRAVEL PACK SIZE #1 WELL GRAVEL CASING SEAL CEMENT

STATIC WATER LEVEL APPROX. 6' GEOLOGIC FORMATION UNCONSOLIDATED

DEPTH BELOW SURFACE	SAMPLE NUMBER	BLOWS PER 6" ON SAMPLER	WELL DESIGN	IDENTIFICATION OF SOILS/REMARKS
		NO SPOONS	6" STEEL PROTECTIVE SLEEVE W/ 2'x2' CONCRETE PAD. CEMENT BEN 3'- SOLID FT. #1 WELL GRAVEL 15'-.010 SLOT SCREEN #1 WELL GRAVEL CEMENT BEN	0"-18' → GRAY / BLACK SILTS AND SANDS WITH SOME CLAYS.
		NOT RECORDED		

THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS OR HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: UNITED STATES ARMY
Name of Facility: FORT MONMOUTH
Location: Eatontown Borough, Monmouth county, NJ

NJPDES Permit No: NJ

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (As assigned by NJDEPE's Water Allocation Section, 609-292-2957): 29-41787
This number must be permanently affixed to the well casing.
Longitude (one tenth of a second): West 74° 02' 19.0"
Latitude (one tenth of a second): North 40° 18' 48.3"
Elevation of Top of Casing (cap off) 8.90
Distance from Top of Casing (cap off) to ground 2.60
Owner's Well Number (As shown in the application or Plans): M14 MW-22
Benchmark: NJGCS Monument No. 9235
Elevation = 56.69

AUTHENTICATION:

I declare under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Professional Land Surveyor's Signature

Frederick W. Kocen Jr.
Professional Land Surveyor's Name SEAL

N.J. Lic. # 34008
Professional Land Surveyor's License #

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (NJAC 7:9-6.1 et seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES permit.

DWR-138 M
12/91

New Jersey Department of Environmental Protection and Energy
Bureau of Water Allocation

MONITORING WELL RECORD

Well Permit No. 29 - 32679
Atlas Sheet Coordinates 29 : 13 : 660

OWNER IDENTIFICATION - Owner U. S. ARMY (DIRECTORATE
Address BLDG. 167 ATT: SELFM-PW-EV
City FT. MONMOUTH State NJ Zip Code 07703

WELL LOCATION - If not the same as owner please give address. Owner's Well No. MW19
County MONMOUTH Municipality RARITAN BORO Lot No. 1,1.6, Block No. 3,63,54
Address same as above

TYPE OF WELL (as per Well Permit Categories) MONITORING Date well completed 1 / 1 / 95
Regulatory Program Requiring Well OWNER INVESTIGATION Case I.D. #
CONSULTING FIRM/FIELD SUPERVISOR (if applicable) Tele. #

WELL CONSTRUCTION

Total depth drilled 15 ft.
Well finished to 15 ft.
Borehole diameter:
Top 12 in.
Bottom 12 in.
Well was finished: ☒ above grade ☐ flush mounted
If finished above grade, casing height (stick up) above land surface 2.0 ft.

	Depth to Top (ft.) [From land surface]	Depth to Bottom (ft.)	Diameter (inches)	Type and Material
Inner Casing	0	5	4	thermoplastic pvc
Outer Casing (Not Protective Casing)				
Screen (Note slot size)	5	15	4	factory slotted pvc
Tail Piece				
Gravel Pack	3	15		#1 morie
Annular Seal/Grout	0	3		cement-bentonite
Method of Grouting	tremie			

Was steel protective casing installed? ☒ Yes ☐ No
Static water level after drilling 5.5 ft.
Water level was measured using measure
Well was developed for 2.0 hours at 1.5 gpm
Method of development pumping
Was permanent pumping equipment installed? ☐ Yes ☒ No
Pump capacity N/A gpm
Pump type: N/A
Drilling Method HSA
Drilling Fluid None Type of Rig CME B-57
Name of Driller Steve Burger
Health and Safety Plan submitted? ☒ Yes ☐ No
Level of Protection used on site (circle one) None (D) C B
N.J. License No. 34624
Name of Drilling Company

GEOLOGIC LOG (Copies of other geologic logs and/or geophysical logs should be attached.)

Depth	Description
0-2'	Olive green silty sand
2'-6'	Gray sand
6'-10'	Gray white sand
10'-15'	Gray sand

WATER ALLOCATION
RECEIVED 95
JAMES C. ANDERSON AGENCY INC 1: 15

I certify that I have drilled the above-referenced well in accordance with all well permit requirements and all applicable State rules and regulations.

RECEIVED

Driller's Signature Steve Burger (SD) Date 4-19-95

COPIES: White & Green - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.

Registration No. [redacted] Date 12 28 99

COPIES White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

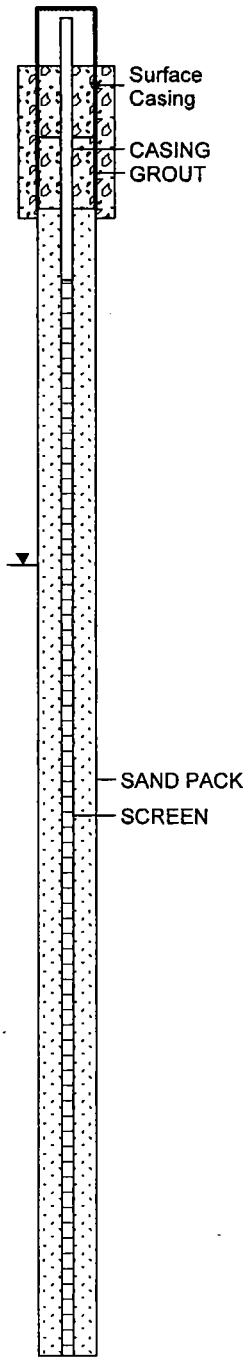
LOG OF BORING M14 MW23

U.S. ARMY
SELFM-PW-EV
JOSEPH FALLON
M14 LANDFILL
GROUNDWATER INVESTIGATION

DRILLING COMPANY	: LUTZ ENVIRONMENTAL	GEOLOGIST	: FRANK ACCORSI
DRILLER	: TIM WESTOVER	DATE COMPLETED	: 11/22/99
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO.	: 29 41 787
HOLE DIAMETER	: 11 INCH	NJDEP COORD.	: 29.14.446
SAMPLING METHOD	: 2 IN. SPLIT SPOON		

Depth in FEET	Samples	Blow Count	DESCRIPTION	USCS	OVA (PPM)	Well Construction Information
0–6	1–12		Black green medium-fine SAND, little Clayey SILT	SM	0 0 0 1.5 1 1	WELL CASING : MATERIAL : PVC DIAMETER : 4 inch JOINTS : threaded LENGTH : 5 feet WELL SCREEN : MATERIAL : PVC DIAMETER : 4 inch JOINTS : threaded OPENING : 0.010 inch LENGTH : 15 feet SAND PACK : Morie #1 ANNULUS SEAL : portland/bentonite STICKUP : MATERIAL : steel DIAMETER : 6 inch
6–12	13–20		Greenish black medium-fine SAND, some Silty CLAY, organic Wet @ 7 ft.	OL	0 0 0 0	NOTES Development of the monitoring well was performed using a submersible pump until ground water was visibly free of sediments (approximately one-half hour)

Well: M14MW23
Elev.:



03-31-2000 X:\MTECH5\M14\M14MW23.BOR

THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS OR HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: UNITED STATES ARMY
Name of Facility: FORT MONMOUTH
Location: Eatontown Borough, Monmouth county, NJ

NJPDES Permit No: NJ

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (As assigned by NJDEPE's Water Allocation Section, 609-292-2957): 29-41786
This number must be permanently affixed to the well casing.
Longitude (one tenth of a second): West 74°02' 17.0"
Latitude (one tenth of a second): North 40°18'49.3"
Elevation of Top of Casing (cap off) 8.71
Distance from Top of Casing (cap off) to ground 3.38
Owner's Well Number (As shown in the application or Plans): M14 MW-23
Benchmark: NJGCS Monument No. 9235
Elevation = 56.69

AUTHENTICATION:

I declare under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Frederick W Kocen Jr

Professional Land Surveyor's Signature

Frederick W. Kocen Jr.

Professional Land Surveyor's Name SEAL

N.J. Lic. # 34008

Professional Land Surveyor's License #

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (NJAC 7:9-6.1 et seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES permit.

LUTZ ENVIRONMENTAL CO., INC.

· 2020 CLINTON STREET · LINDEN, NEW JERSEY 07036 · (908)862-8888

BORING LOG:

WELL NO. MW 23 COORDINATE NO. 29-14-446 PERMIT NO. 29-41786

DATE DRILLED 11-22-99 COUNTY MONMOUTH USE MONITOR

LOCATION M-14 LANDFILL MURPHY DR. FT. MONMOUTH, NJ. 07703

OWNER U.S. ARMY / FT. MONMOUTH ADDRESS C/O 173 RIVERSIDE DR. FT. MONMOUTH NJ

DRILLING METHOD AUGER SAMPLING METHOD SPLIT SPOON / COMPOSITE

HOLE DIA. 10" TOTAL DEPTH 18'

CASING:

TYPE MONOFLEX FLUSHMOUNT SLOT — DIA 4" LENGTH 3'

SCREEN:

TYPE MONOFLEX FLUSHMOUNT SLOT .010 DIA 4" LENGTH 15'

GRAVEL PACK SIZE #1 well gravel CASING SEAL CEMENT

STATIC WATER LEVEL APPROX. 6' GEOLOGIC FORMATION UNCONSOLIDATED

DEPTH BELOW SURFACE	SAMPLE NUMBER	BLOWS PER 6" ON SAMPLER	WELL DESIGN	IDENTIFICATION OF SOILS/REMARKS
		NO SPOONS RECORDED	6" STEEL PROTECTIVE SLEEVE W/ 2'x2' CONCRETE PAD; CEMENT; BEN; 3' SOLID P.V.C.; CEMENT; BEN; #1 well gravel; 15' - .010 SLOT SCREEN; #1 well gravel; SET PLUG @ 18'	0'-18' → GRAY / BLACK clayey SILTS AND SANDS.

Registration No. [redacted] Date [redacted]

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING M14 MW24

U.S. ARMY
SELFM-PW-EV
JOSEPH FALLON
M14 LANDFILL
GROUNDWATER INVESTIGATION

DRILLING COMPANY	: LUTZ ENVIRONMENTAL	GEOLOGIST	: FRANK ACCORSI
DRILLER	: TIM WESTOVER	DATE COMPLETED	: 03/27/00
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO.	: 29 41 788
HOLE DIAMETER	: 11 INCH	NJDEP COORD.	: 29.14.446
SAMPLING METHOD	: 2 IN. SPLIT SPOON		

Depth in FEET	Samples	Blow Count	DESCRIPTION	USCS	OVA (PPM)
0	1	4	Black-greenblack coarse-medium-fine SAND, little SILT, little fine Gravel, Organic material	SW	0
1	2	10			
	3	16			1
2	4	20			
	5	52			0
3	6	56			
	7	28	CONCRETE		
4	8	14	FILL-COAL fragments, brick, CINDERS, wood, Debris		1
	9	-	CONCRETE		
5	10	-			0
	11	7			
6	12	52	Green coarse-medium-fine SAND, little Clayey SILT, little fine Gravel, organic material		0
	13	19			
7	14	21			0
	15	19			
8	16	20			0
	17	7			
9	18	7	Wet @ 9.5 ft.		0
	19	7			
10	20	50/2"			0
11				SW	
12					
13					
14					
15					
16					
17					
18					

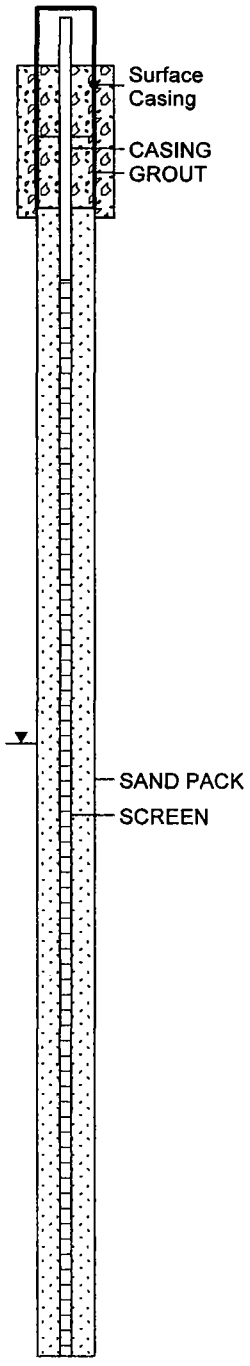
Well Construction Information

WELL CASING :	
MATERIAL	: PVC
DIAMETER	: 4 inch
JOINTS	: threaded
LENGTH	: 8 feet
WELL SCREEN :	
MATERIAL	: PVC
DIAMETER	: 4 inch
JOINTS	: threaded
OPENING	: 0.010 inch
LENGTH	: 15 feet
SAND PACK	: Morie #1
ANNULUS SEAL	: bentonite
STICKUP	:
MATERIAL	: steel
DIAMETER	: 6 inch

NOTES

Development of the monitoring well was performed using a submersible pump until ground water was visibly free of sediments (approximately one-half hour)

Well: M14MW24
Elev.:



03-31-2000 X:\MTECH5\M14\M14MW24.BOR

BOREHOLE ID : MP18MW24 *PROJECT NAME:* FT. MONMOUTH
BEGIN DATE : 01/12/95 *END DATE :* 01/12/95

LOGGER/COMPANY : P. THOMAS

BOREHOLE COMPLETED IN (<O>verburden <B>edrock) : O

TOTAL DEPTH : 15.00 *DEPTH TO BEDROCK :* 0.00

BOREHOLE DIAMETER #1: 12.25
INTERVAL: 0.00 ft. to 15.00 ft. BGS
METHOD : HSA *FLUID :* WATER
BOREHOLE DIAMETER #2:
INTERVAL:
METHOD : *FLUID :*
BOREHOLE DIAMETER #3:
INTERVAL:
METHOD : *FLUID :*

DRILLING COMPANY : J.C. ANDERSON
DRILLER : WELLINGTON REEVES
DRILL RIG TYPE : MOBILE B-57

	ESTIMATED	*SURVEYED*
SURFACE ELEVATION :	0.000	6.780
N. COORDINATE :	0.0000	
E. COORDINATE :	0.0000	

WELL PERMIT.....(Y)es (N)o: N *PERMIT # :* NJ 29 32565

HOLE ABANDONED...(Y)es (N)o: N
WELL INSTALLED...(Y)es (N)o: Y
WELL CLUSTER.....(Y)es (N)o: N *No. OF WELLS :* 0
WELL NEST.....(Y)es (N)o: N *No. OF WELLS :* 0
PUMPS INSTALLED..(Y)es (N)o: N

	TYPE	*DEPTH*
PURGE :		0.00
SAMPLE :		0.00

BOREHOLE TESTING
BOREHOLE GEOPHYSICS.....(Y)es (N)o: N
SLUG TESTS.....(Y)es (N)o: N
PACKER TESTS.....(Y)es (N)o: N
PUMPING TESTS.....(Y)es (N)o: N

COMMENTS :
Latitude-North: 40 deg 19' 00.2"
Longitude-West: 74 deg 02' 49.7"

GEOLIS Copyright (c) 1990, Roy F. WESTON, Inc.

BOREHOLE /WELL ID	SMP NUM	LTH NUM	LITHOLOGY INT. (FT BGS)		SAMPLING METHOD	SIZE GRAVEL	GRAVEL PCT.	SIZE SAND	SAND PCT	SILT PCT	CLAY PCT	ORGANIC PCT	ROCK TYPE	PLAST	SORT	STRENGTH	MOISTURE	STRAT UNIT
MP16MW22	1	1	0.00	0.50	SPS	MC	20	FM	50	30	0	0		LOW	MOD	LSE	MST	
MP16MW22	1	2	0.50	1.00	SPS	C	100		0	0	0	0		NON	NA	LSE	NA	
MP16MW22	1	3	1.00	2.00	SPS		0		0	0	0	0						
MP16MW22	2	1	2.00	4.00	SPS		0	M	25	0	75	0		MOD	MOD	FRM	SAT	
MP16MW22	3	1	4.00	5.50	SPS		15		30	10	45	0		MOD	POR	SFT	SAT	
MP16MW22	3	2	5.50	6.00	SPS		0		0	0	0	0						
MP16MW22	4	1	6.00	7.00	SPS	C	10	CF	75	0	15	0		LOW	POR	SFT	SAT	
MP16MW22	4	2	7.00	8.00	SPS		0		0	0	0	0						
MP16MW22	5	1	8.00	10.00	SPS		5	MF	95	0	0	0		NON	MOD	SFT	SAT	
MP16MW22	6	1	10.00	11.50	SPS		5		95	0	0	0		NON	MOD	LSE	SAT	
MP16MW22	6	2	11.50	12.00	SPS		0		0	15	85	0		HGH	WEL	SFT	SAT	
MP16MW22	7	1	12.00	13.20	SPS		0		0	10	90	0		HGH	WEL	SFT	SAT	
MP16MW22	7	2	13.20	13.50	SPS		0	F	100	0	0	0		NON	WEL	LSE	SAT	
MP16MW22	7	3	13.50	14.00	SPS		0		0	40	60	0		MOD	WEL	FRM	MST	
MP16MW22	8	1	14.00	14.50	SPS		0		0	40	60	0		HGH	WEL	FRM	MST	

GEOLIS Copyright (c) 1990, Roy F. WESTON, Inc.

LUTZ ENVIRONMENTAL CO., INC.

2020 CLINTON STREET · LINDEN, NEW JERSEY 07036 · (908)862–8888

BORING LOG:

WELL NO. MW 24 COORDINATE NO. 29·14·466 PERMIT NO. 29 - 41788

DATE DRILLED 3-27-2000 COUNTY MONMOUTH USE MONITOR

LOCATION M14 LANDFILL AREA MURPHY DRIVE. FT. MONMOUTH NJ.

OWNER U.S. ARMY / FT. MONMOUTH ADDRESS C/O 173 RIVERSIDE AVE. FT. MONMOUTH NJ

DRILLING METHOD 6¼" I.D. HSA. SAMPLING METHOD SPOONED / COMPOSITE OTH

HOLE DIA. 10" TOTAL DEPTH 18'

CASING:

TYPE MONOFLEX FLUSHMOUNT SLOT — DIA 4" LENGTH 3'

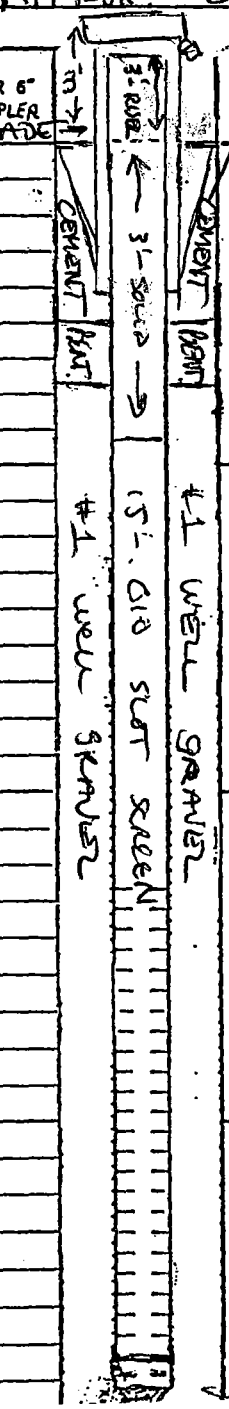
SCREEN:

TYPE MONO FLEX FLUSHMOUNT SLOT .010 DIA 4" LENGTH 15'

GRAVEL PACK SIZE #1 WELL GRAVEL CASING SEAL CEMENT.

STATIC WATER LEVEL APPROX 8' GEOLOGIC FORMATION UNCONSOLIDATED

DEPTH BELOW SURFACE	SAMPLE NUMBER	BLOWS PER 6" ON SAMPLER GRADE
		SPOONS NOT RECORDED BY DRILLER



6" STEEL PROTECTIVE SLEEVE WITH CONCRETE PAD

IDENTIFICATION OF SOILS/REMARKS

0" – 10' → ORANGE BROWN SANDS SILTS + CLAYS WITH CHUNKS of CONCRETE BACK FILL.

10' – 18' → ORANGE BROWN CLAYEY SILTS AND SANDS

THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS OR HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: UNITED STATES ARMY
Name of Facility: FORT MONMOUTH
Location: Eatontown Borough, Monmouth county, NJ

NJPDES Permit No: NJ

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (As assigned by NJDEPE's Water Allocation Section, 609-292-2957): 29-41788
This number must be permanently affixed to the well casing.
Longitude (one tenth of a second): West 74° 02' 12.4"
Latitude (one tenth of a second): North 40° 18' 51.0"
Elevation of Top of Casing (cap off) 9.53
Distance from Top of Casing (cap off) to ground 3.22
Owner's Well Number (As shown in the application or Plans): M14 MW-24
Benchmark: NJGCS Monument No. 9235
Elevation = 56.69

AUTHENTICATION:

I declare under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Professional Land Surveyor's Signature

Frederick W. Kocen Jr.
Professional Land Surveyor's Name SEAL

N.J. Lic. # 34008
Professional Land Surveyor's License #

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (NJAC 7:9-6.1 et seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES permit.

Appendix C

Site Photographs

APPENDIX C
Current Conditions Site Photographs
M-14 Landfill Site
Fort Monmouth, New Jersey

M-14 Landfill Site Current Conditions

Appendix D

Groundwater Laboratory Data Sheets

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
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-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
2677.05	MW-19	29-32579	06/12/97
2677.04	MW-20	29-32580	06/12/97
2677.03	MW-21	29-32581	06/12/97

NJDEP Laboratory Certification # 13461

Report Date: 7 October, 1997

Daniel Wright
Laboratory Director

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST METALS	Standard Methods, 18th ed.
Aluminum	3111D
Antimony	3113B
Arsenic	3113B
Barium	3111D
Beryllium	3113B
Cadmium	3111B
Calcium	3111B
Chromium	3111D
Cobalt	3113B
Copper	3111B
Iron	3111B
Lead	3113B
Magnesium	3111B
Manganese	3111B
Mercury	3112B
Nickel	3111B
Potassium	3111B
Selenium	3113B
Silver	3111B
Sodium	3111B
Thallium	3113B
Vanadium	3111D
Zinc	3111B

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 (908)532-4359 Fax (908)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: I Fallon | **Project No:** [illegible] | **Location:** M14

Phone #: x26223

(X)DERA ( )OMA ( )Other:_____

Samplers Name / Company : Clay Pogwist / TUS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	TCL VOA + 15	TCL BNA + 25	TCL pest/PCB/HERBS	TAL METALS				Comments: Remarks / Preservation Method
2677 1	TRIP BLANK	6-12-97	0800	AQ	2	X							(VOA - HCl) (METALS HNO3)
2	Field Blank		1000		5	X	X	X	X				All Samples Kept ≤ 4°C
3	M14 - MW21		1115										29-32581
4	M14 - MW20		1135										29-32580
5	M14 - MW19		1150										29-32579

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	6/12/97 1310	[signature] 6-12-97			
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

Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG M-14
MW# 19
NJDEP ID# 2932579
NJDEP CERT# 13461
SAMPLING CONTRATOR TVS
SAMPLER RAY POGWIST

DATE 6/12/97 WEATHER OVERCAST HUMID 80'S

ELEVATION OF CASING SURVEY MARK 9.68
DTW 6.90
DEPTH OF WELL 17.50
HEIGHT OF WATER 10.6
10.6 X 0.65 X 3 = 20.67
GAL OF H2O TO BE EVACUATED 20.67 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) PERISTALIC
PURGE RATE 0.3 GPM
Hnu 0 PPM

PURGE START TIME 10:30
pH 6.98 TEMP 63.4 DEG F
DISSOLVED O2 2.8 PPM SPECIFIC CONDUCTIVITY 381 us/cm

PURGE END TIME 11:45
pH 7.05 TEMP 65.1 DEG F
DISSOLVED O2 2.5 PPM SPECIFIC CONDUCTIVITY 279 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 6.95 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 20.7 GAL

pH 7.07 TEMP 65.2 DEG F
DISSOLVED O2 2.5 PPM SPECIFIC CONDUCTIVITY 275 us/cm

COMMENTS:_____
_____
_____

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: M-14
MW# 20
NJDEP ID# 2932580
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE: 06/12/97 WEATHER: OVERCAST HUMID 80'S

ELEVATION OF CASING SURVEY MARK 9.29
DTW: 6.25
DEPTH OF WELL: 16.90
HEIGHT OF WATER 10.65
10.65 X 0.65 X ___3___ = 20.77
GAL OF H2O TO BE EVACUATED 20.77 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) __PERISTALIC___
PURGE RATE 0.3 GPM
Hnu READING 0

PURGE START TIME: 10:10
pH: 6.89 TEMP 62.3 DEG F
DISSOLVED O2 3.1 PPM SPECIFIC CONDUCTIVITY 275 us/cm

PURGE END TIME: 11:30
pH: 7.02 TEMP 63.2 DEG F
DISSOLVED O2 2.7 PPM SPECIFIC CONDUCTIVITY 225 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 6.95 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 20.77 GAL

pH: 7.10 TEMP 63.1 DEG F
DISSOLVED O2 2.8 PPM SPECIFIC CONDUCTIVITY 245 us/cm

COMMENTS:_____
_____
_____

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG M-14
MW# 21
NJDEP ID# 2932581
NJDEP CERT# 13461
SAMPLING CONTRATOR TVS
SAMPLER RAY POGWIST

DATE 6/12/97 WEATHER OVERCAST HUMID 80'S

ELEVATION OF CASING SURVEY MARK 9.57
DTW 7.11
DEPTH OF WELL 19.25
HEIGHT OF WATER 12.14
12.14 X 0.65 X 3 = 23.673
GAL OF H2O TO BE EVACUATED 23.673 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) PERISTALIC
PURGE RATE 0.3 GPM
Hnu 0 PPM

PURGE START TIME 9:50
pH 7.72 TEMP 61.3 DEG F
DISSOLVED O2 3.0 PPM SPECIFIC CONDUCTIVITY 291 us/cm

PURGE END TIME 11:10
pH 7.65 TEMP 65.3 DEG F
DISSOLVED O2 2.8 PPM SPECIFIC CONDUCTIVITY 251 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 9.03 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 23.7 GAL

pH 7.60 TEMP 65.2 DEG F
DISSOLVED O2 2.7 PPM SPECIFIC CONDUCTIVITY 252 us/cm

COMMENTS:_____
_____
_____

Organic Data Qualifiers

Form 1:

This form reports concentrations of Tentatively Identified Compounds. Form 1E is the Volatile report, Form 1F is for Semi-Volatiles.

Qualifiers are:

J	Estimated Value
N	Presumptive evidence of a compound
E	Concentration exceeds calibration range
D	Diluted sample
A	TIC is a suspected aldol condensation product

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

Data File Name **V00947.D**
Operator **Skelton**
Date Acquired **06/19/19 -1:1:**

Sample Name **Daily Blank**
Field ID **Daily Blank**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
107028	Acrolein			not detected	6.25 ug/L	na
107131	Acrylonitrile			not detected	6.25 ug/L	na
75650	tert-Butyl alcohol			not detected	12.50 ug/L	na
1634044	Methyl-tert-Butyl ether			not detected	1.25 ug/L	na
108203	Di-isopropyl ether			not detected	1.25 ug/L	na
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name **v00927.d**
Operator **Skelton**
Date Acquired **06/18/97 12:11**

Sample Name **2677.01**
Field ID **Trip Blank**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
107028	Acrolein			not detected	6.25 ug/L	na
107131	Acrylonitrile			not detected	6.25 ug/L	na
75650	tert-Butyl alcohol			not detected	12.50 ug/L	na
1634044	Methyl-tert-Butyl ether			not detected	1.25 ug/L	na
108203	Di-isopropyl ether			not detected	1.25 ug/L	na
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name **v00928.d**
Operator **Skelton**
Date Acquired **06/18/97 13:04**

Sample Name **2677.02**
Field ID **Field Blank**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
107028	Acrolein			not detected	6.25 ug/L	na
107131	Acrylonitrile			not detected	6.25 ug/L	na
75650	tert-Butyl alcohol			not detected	12.50 ug/L	na
1634044	Methyl-tert-Butyl ether			not detected	1.25 ug/L	na
108203	Di-isopropyl ether			not detected	1.25 ug/L	na
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name **V00935.D**
Operator **Skelton**
Date Acquired **06/18/97 18:55**

Sample Name **2677.05**
Field ID **M14-MW19**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
107028	Acrolein			not detected	6.25 ug/L	na
107131	Acrylonitrile			not detected	6.25 ug/L	na
75650	tert-Butyl alcohol			not detected	12.50 ug/L	na
1634044	Methyl-tert-Butyl ether			not detected	1.25 ug/L	na
108203	Di-isopropyl ether			not detected	1.25 ug/L	na
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name **v00934.d**
Operator **Skelton**
Date Acquired **06/18/97 18:05**

Sample Name **2677.04**
Field ID **M14-MW20**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
107028	Acrolein			not detected	6.25 ug/L	na
107131	Acrylonitrile			not detected	6.25 ug/L	na
75650	tert-Butyl alcohol			not detected	12.50 ug/L	na
1634044	Methyl-tert-Butyl ether			not detected	1.25 ug/L	na
108203	Di-isopropyl ether			not detected	1.25 ug/L	na
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name **v00952.d**
Operator **Skelton**
Date Acquired **06/19/97 15:54**

Sample Name **2677.03**
Field ID **M14 MW21**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
107028	Acrolein			not detected	6.25 ug/L	na
107131	Acrylonitrile			not detected	6.25 ug/L	na
75650	tert-Butyl alcohol			not detected	12.50 ug/L	na
1634044	Methyl-tert-Butyl ether			not detected	1.25 ug/L	na
108203	Di-isopropyl ether			not detected	1.25 ug/L	na
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Daily Blank**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: Location SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Daily Blank

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00947.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/19/97

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2677 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2677.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00927.D

Level: (low/med) LOW Date Received: 06/12/97

% Moisture: not dec. Date Analyzed: 06/18/97

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2677 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2677.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00928.D

Level: (low/med) LOW Date Received: 06/12/97

% Moisture: not dec. Date Analyzed: 06/18/97

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW19**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2677 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2677.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00935.D

Level: (low/med) LOW Date Received: 06/12/97

% Moisture: not dec. Date Analyzed: 06/18/97

GC Column: RTX-502 ID: 0.25 (mm) 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	RT	EST. CONC.	Q
1. 001066-40-6	Silanol, trimethyl-	13.91	14	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW20**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2677 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2677.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00934.D

Level: (low/med) LOW Date Received: 06/12/97

% Moisture: not dec. Date Analyzed: 06/18/97

GC Column: RTX-502 ID: 0.25 (mm) 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	RT	EST. CONC.	Q
1. 001066-40-6	Silanol, trimethyl-	13.89	5	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW21**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2677 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2677.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00952.D

Level: (low/med) LOW Date Received: 06/12/97

% Moisture: not dec. Date Analyzed: 06/19/97

GC Column: RTX-502 ID: 0.25 (mm) 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	RT	EST. CONC.	Q
1. 001066-40-6	Silanol, trimethyl-	13.91	10	JN

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

Data File Name **bn0227.d**
Operator **Paul Skelton**
Date Acquired **07/ 3/97 17:24**

Sample Name **Extraction Blank 06/18/97**
Field ID
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
110-86-1	Pyridine			not detected	5.00 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94 ug/L	20
62-53-3	Aniline			not detected	0.15 ug/L	
108-95-2	Phenol			not detected	0.47 ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48 ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18 ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23 ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16 ug/L	600
	2-Methylphenol			not detected	0.14 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61 ug/L	300
	4-Methylphenol			not detected	0.14 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36 ug/L	20
67-72-1	Hexachloroethane			not detected	0.33 ug/L	10
98-95-3	Nitrobenzene			not detected	0.46 ug/L	10
78-59-1	Isophorone			not detected	0.35 ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27 ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12 ug/L	20
65-85-0	Benzoic Acid			not detected	0.26 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25 ug/L	9
91-20-3	Naphthalene			not detected	0.25 ug/L	
106-47-8	4-Chloroaniline			not detected	0.19 ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38 ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18 ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50 ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42 ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31 ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32 ug/L	
88-74-4	2-Nitroaniline			not detected	0.21 ug/L	
131-11-3	Dimethylphthalate			not detected	0.18 ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31 ug/L	
99-09-2	3-Nitroaniline			not detected	0.26 ug/L	
83-32-9	Acenaphthene			not detected	0.26 ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69 ug/L	40
132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10

84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate	20.48	258970	2.20 ug/L	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47 ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22 ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46 ug/L	60
218-01-9	Chrysene			not detected	0.20 ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	0.51 ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82 ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37 ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32 ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31 ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79 ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28 ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40 ug/L	

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

Data File Name **bn0228.d**
Operator **Paul Skelton**
Date Acquired **07/ 3/97 18:26**

Sample Name **2677.02**
Field ID **Field Blank**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL		GW Criteria
110-86-1	Pyridine			not detected	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94	ug/L	20
62-53-3	Aniline			not detected	0.15	ug/L	
108-95-2	Phenol			not detected	0.47	ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48	ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18	ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15	ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23	ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16	ug/L	600
	2-Methylphenol			not detected	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61	ug/L	300
	4-Methylphenol			not detected	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36	ug/L	20
67-72-1	Hexachloroethane			not detected	0.33	ug/L	10
98-95-3	Nitrobenzene			not detected	0.46	ug/L	10
78-59-1	Isophorone			not detected	0.35	ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27	ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12	ug/L	20
65-85-0	Benzoic Acid			not detected	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25	ug/L	9
91-20-3	Naphthalene			not detected	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38	ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50	ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42	ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31	ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	0.18	ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	0.26	ug/L	
83-32-9	Acenaphthene			not detected	0.26	ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69	ug/L	40
132-64-9	Dibenzofuran			not detected	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	0.27	ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36	ug/L	10

84-66-2	Diethylphthalate			not detected	0.82	ug/L	5000
86-73-7	Fluorene			not detected	0.29	ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23	ug/L	20
103-33-3	Azobenzene			not detected	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82	ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08	ug/L	1
85-01-8	Phenanthrene			not detected	0.18	ug/L	
120-12-7	Anthracene			not detected	0.19	ug/L	2000
84-74-2	Di-n-butylphthalate	20.49	364645	4.82 ug/L	0.23	ug/L	900
206-44-0	Fluoranthene			not detected	0.41	ug/L	300
92-87-5	Benzidine			not detected	1.45	ug/L	50
129-00-0	Pyrene			not detected	0.32	ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47	ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22	ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46	ug/L	60
218-01-9	Chrysene			not detected	0.20	ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	0.51	ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82	ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37	ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32	ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31	ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79	ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28	ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40	ug/L	

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

Data File Name **bn0231.d**
Operator **Paul Skelton**
Date Acquired **07/ 3/97 21:20**

Sample Name **2677.05**
Field ID **M14-MW19**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL		GW Criteria
110-86-1	Pyridine			not detected	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94	ug/L	20
62-53-3	Aniline			not detected	0.15	ug/L	
108-95-2	Phenol			not detected	0.47	ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48	ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18	ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15	ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23	ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16	ug/L	600
	2-Methylphenol			not detected	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61	ug/L	300
	4-Methylphenol			not detected	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36	ug/L	20
67-72-1	Hexachloroethane			not detected	0.33	ug/L	10
98-95-3	Nitrobenzene			not detected	0.46	ug/L	10
78-59-1	Isophorone			not detected	0.35	ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27	ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12	ug/L	20
65-85-0	Benzoic Acid			not detected	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25	ug/L	9
91-20-3	Naphthalene			not detected	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38	ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50	ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42	ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31	ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	0.18	ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	0.26	ug/L	
83-32-9	Acenaphthene			not detected	0.26	ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69	ug/L	40
132-64-9	Dibenzofuran			not detected	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	0.27	ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36	ug/L	10

84-66-2	Diethylphthalate			not detected	0.82	ug/L	5000
86-73-7	Fluorene			not detected	0.29	ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23	ug/L	20
103-33-3	Azobenzene			not detected	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82	ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08	ug/L	1
85-01-8	Phenanthrene			not detected	0.18	ug/L	
120-12-7	Anthracene			not detected	0.19	ug/L	2000
84-74-2	Di-n-butylphthalate	20.48	161253	2.06 ug/L	0.23	ug/L	900
206-44-0	Fluoranthene			not detected	0.41	ug/L	300
92-87-5	Benzidine			not detected	1.45	ug/L	50
129-00-0	Pyrene			not detected	0.32	ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47	ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22	ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46	ug/L	60
218-01-9	Chrysene			not detected	0.20	ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	0.51	ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82	ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37	ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32	ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31	ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79	ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28	ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40	ug/L	

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

Data File Name **bn0230.d**
Operator **Paul Skelton**
Date Acquired **07/ 3/97 20:24**

Sample Name **2677.04**
Field ID **M14-MW20**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL		GW Criteria
110-86-1	Pyridine			not detected	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94	ug/L	20
62-53-3	Aniline			not detected	0.15	ug/L	
108-95-2	Phenol			not detected	0.47	ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48	ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18	ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15	ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23	ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16	ug/L	600
	2-Methylphenol			not detected	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61	ug/L	300
	4-Methylphenol			not detected	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36	ug/L	20
67-72-1	Hexachloroethane			not detected	0.33	ug/L	10
98-95-3	Nitrobenzene			not detected	0.46	ug/L	10
78-59-1	Isophorone			not detected	0.35	ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27	ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12	ug/L	20
65-85-0	Benzoic Acid			not detected	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25	ug/L	9
91-20-3	Naphthalene			not detected	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38	ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50	ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42	ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31	ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	0.18	ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	0.26	ug/L	
83-32-9	Acenaphthene			not detected	0.26	ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69	ug/L	40
132-64-9	Dibenzofuran			not detected	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	0.27	ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36	ug/L	10

84-66-2	Diethylphthalate			not detected	0.82	ug/L	5000
86-73-7	Fluorene			not detected	0.29	ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23	ug/L	20
103-33-3	Azobenzene			not detected	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82	ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08	ug/L	1
85-01-8	Phenanthrene			not detected	0.18	ug/L	
120-12-7	Anthracene			not detected	0.19	ug/L	2000
84-74-2	Di-n-butylphthalate	20.48	254672	3.86 ug/L	0.23	ug/L	900
206-44-0	Fluoranthene			not detected	0.41	ug/L	300
92-87-5	Benzidine			not detected	1.45	ug/L	50
129-00-0	Pyrene			not detected	0.32	ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47	ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22	ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46	ug/L	60
218-01-9	Chrysene			not detected	0.20	ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	0.51	ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82	ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37	ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32	ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31	ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79	ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28	ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40	ug/L	

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

Data File Name **bn0229.d**
Operator **Paul Skelton**
Date Acquired **07/ 3/97 19:25**

Sample Name **2677.03**
Field ID **M14-MW21**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL		GW Criteria
110-86-1	Pyridine			not detected	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94	ug/L	20
62-53-3	Aniline			not detected	0.15	ug/L	
108-95-2	Phenol			not detected	0.47	ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48	ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18	ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15	ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23	ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16	ug/L	600
	2-Methylphenol			not detected	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61	ug/L	300
	4-Methylphenol			not detected	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36	ug/L	20
67-72-1	Hexachloroethane			not detected	0.33	ug/L	10
98-95-3	Nitrobenzene			not detected	0.46	ug/L	10
78-59-1	Isophorone			not detected	0.35	ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27	ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12	ug/L	20
65-85-0	Benzoic Acid			not detected	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25	ug/L	9
91-20-3	Naphthalene			not detected	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38	ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50	ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42	ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31	ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	0.18	ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	0.26	ug/L	
83-32-9	Acenaphthene			not detected	0.26	ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69	ug/L	40
132-64-9	Dibenzofuran			not detected	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	0.27	ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36	ug/L	10

84-66-2	Diethylphthalate			not detected	0.82	ug/L	5000
86-73-7	Fluorene			not detected	0.29	ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23	ug/L	20
103-33-3	Azobenzene			not detected	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82	ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08	ug/L	1
85-01-8	Phenanthrene			not detected	0.18	ug/L	
120-12-7	Anthracene			not detected	0.19	ug/L	2000
84-74-2	Di-n-butylphthalate	20.48	304390	3.66 ug/L	0.23	ug/L	900
206-44-0	Fluoranthene			not detected	0.41	ug/L	300
92-87-5	Benzidine			not detected	1.45	ug/L	50
129-00-0	Pyrene			not detected	0.32	ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47	ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22	ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46	ug/L	60
218-01-9	Chrysene			not detected	0.20	ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	0.51	ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82	ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37	ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32	ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31	ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79	ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28	ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40	ug/L	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Ext Blank

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: _____ Location _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: Extraction Blan

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0227.D

Level: (low/med) LOW Date Received: 06/16/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 07/03/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.21	24	JN
2. 001120-07-6	Nonanamide	27.18	51	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank

Lab Name: FMETL Lab Code 13461

Project Case No.: 2677 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2677.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0228.D

Level: (low/med) LOW Date Received: 06/12/97

% Moisture: decanted: (Y/N) N Date Analyzed: 07/03/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-55-6	Propylene Glycol	3.31	27	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.21	17	JN
3. 000301-02-0	9-Octadecenamide, (Z)-	27.18	35	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW19

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2677 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2677.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0231.D

Level: (low/med) LOW Date Received: 06/12/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 07/03/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-55-6	Propylene Glycol	3.32	25	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.21	19	JN
3. 000301-02-0	9-Octadecenamide, (Z)-	27.18	39	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW20

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2677 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2677.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0230.D

Level: (low/med) LOW Date Received: 06/12/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 07/03/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-55-6	Propylene Glycol	3.31	27	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.21	18	JN
3. 001120-07-6	Nonanamide	24.01	9	JN
4. 000301-02-0	9-Octadecenamide, (Z)-	27.19	78	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW21

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2677 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2677.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0229.D

Level: (low/med) LOW Date Received: 06/12/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 07/03/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-55-6	Propylene Glycol	3.32	23	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.22	16	JN
3. 015067-26-2	Acenaphthene-d10	15.28	42	JN
4. 001120-07-6	Nonanamide	27.18	38	JN

Report of Analysis

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	Extraction Blank
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	6/17/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/23/97
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NA	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NA	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NA	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected

MDL = Method Detection Limit

NA = Not Applicable

Column-Primary: Rtx-5 30m/.32mmID/.25um

Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	2677.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/97
	Bldg. 173	**Extraction Date:**	6/17/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/23/97
Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		Ft. Monmouth
Analyst:	D. Wright	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NA	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NA	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NA	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected
MDL = Method Detection Limit
NA = Not Applicable

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	2677.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/97
	Bldg. 173	**Extraction Date:**	6/17/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/23/97
Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		Ft. Monmouth
Analyst:	D. Wright	**Field ID:**	MW-19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NA	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NA	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NA	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected
MDL = Method Detection Limit
NA = Not Applicable

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	2677.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/97
	Bldg. 173	**Extraction Date:**	6/17/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/23/97
Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		Ft. Monmouth
Analyst:	D. Wright	**Field ID:**	MW-20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NA	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NA	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NA	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected
MDL = Method Detection Limit
NA = Not Applicable

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	2677.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/97
	Bldg. 173	**Extraction Date:**	6/17/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/23/97

Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		Ft. Monmouth
Analyst:	D. Wright	**Field ID:**	MW-21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NA	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NA	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NA	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1.		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected
MDL = Method Detection Limit
NA = Not Applicable

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

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

Lab ID #: Method Blank
Sample Received: NA
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: NA

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	7/30/97	ND	0.1	200
Antimony	7/8/97	ND	0.5	20
Arsenic	7/7/97	ND	1.0	8
Barium	7/31/97	ND	0.5	2000
Beryllium	7/9/97	ND	0.06	20
Cadmium	7/8/97	ND	2.0	4
Calcium	7/30/97	ND	30.0	NA
Chromium	7/23/97	ND	0.4	100
Cobalt	7/9/97	ND	20.0	NA
Copper	7/7/97	ND	3.0	1000
Iron	7/9/97	ND	10.0	300
Lead	6/23/97	ND	0.5	10
Magnesium	7/7/97	ND	50.0	NA
Manganese	7/9/97	ND	5.0	50
Mercury	6/27/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	ND	40.0	NA
Selenium	7/8/97	ND	1.0	50
Silver	7/10/97	26.0*	3.0	20
Sodium	7/8/97	ND	10.0	50000
Thallium	7/8/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	3.0	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable
* = Calibration Blank result greater than GW criteria limit

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

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

Lab ID #: 2677.02
Sample Received: 6/12/97
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	7/30/97	96.1	0.1	200
Antimony	7/8/97	ND	0.5	20
Arsenic	7/7/97	ND	1.0	8
Barium	7/31/97	2.0	0.5	2000
Beryllium	7/9/97	0.10	0.06	20
Cadmium	7/8/97	ND	2.0	4
Calcium	7/30/97	110.0	30.0	NA
Chromium	7/23/97	ND	0.4	100
Cobalt	7/9/97	ND	20.0	NA
Copper	7/7/97	3.0	3.0	1000
Iron	7/9/97	160.0	10.0	300
Lead	6/23/97	ND	0.5	10
Magnesium	7/7/97	150.0	50.0	NA
Manganese	7/9/97	13.0	5.0	50
Mercury	6/27/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	170.0	40.0	NA
Selenium	7/8/97	ND	1.0	50
Silver	7/10/97	36.0*	3.0	20
Sodium	7/8/97	260.0	10.0	50000
Thallium	7/8/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	12.0	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable
* = Calibration Blank result greater than GW criteria limit

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

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

Lab ID #: 2677.05
Sample Received: 6/12/97
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	7/30/97	30.8	0.1	200
Antimony	7/8/97	ND	0.5	20
Arsenic	7/7/97	ND	1.0	8
Barium	7/31/97	38.9	0.5	2000
Beryllium	7/9/97	0.12	0.06	20
Cadmium	7/8/97	ND	2.0	4
Calcium	7/30/97	13570.0	30.0	NA
Chromium	7/23/97	ND	0.4	100
Cobalt	7/9/97	ND	20.0	NA
Copper	7/7/97	22.0	3.0	1000
Iron	7/9/97	27000.0	10.0	300
Lead	6/23/97	0.7	0.5	10
Magnesium	7/7/97	2160.0	50.0	NA
Manganese	7/9/97	57.0	5.0	50
Mercury	6/27/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	6140.0	40.0	NA
Selenium	7/8/97	2.0	1.0	50
Silver	7/10/97	33.0*	3.0	20
Sodium	7/8/97	5720.0	10.0	50000
Thallium	7/8/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	34.0	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable
* = Calibration Blank result greater than GW criteria limit

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

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

Lab ID #: 2677.04
Sample Received: 6/12/97
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	7/30/97	68.8	0.1	200
Antimony	7/8/97	ND	0.5	20
Arsenic	7/7/97	2.0	1.0	8
Barium	7/31/97	28.9	0.5	2000
Beryllium	7/9/97	0.15	0.06	20
Cadmium	7/8/97	ND	2.0	4
Calcium	7/30/97	35120.0	30.0	NA
Chromium	7/23/97	ND	0.4	100
Cobalt	7/9/97	ND	20.0	NA
Copper	7/7/97	7.0	3.0	1000
Iron	7/9/97	6990.0	10.0	300
Lead	6/23/97	0.8	0.5	10
Magnesium	7/7/97	2630.0	50.0	NA
Manganese	7/9/97	147.0	5.0	50
Mercury	6/27/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	5160.0	40.0	NA
Selenium	7/8/97	1.0	1.0	50
Silver	7/10/97	32.0*	3.0	20
Sodium	7/8/97	6100.0	10.0	50000
Thallium	7/8/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	37.0	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable
* = Calibration Blank result greater than GW criteria limit

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

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

Lab ID #: 2677.03
Sample Received: 6/12/97
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	7/30/97	72.6	0.1	200
Antimony	7/8/97	0.5	0.5	20
Arsenic	7/7/97	ND	1.0	8
Barium	7/31/97	35.1	0.5	2000
Beryllium	7/9/97	0.13	0.06	20
Cadmium	7/8/97	2.0	2.0	4
Calcium	7/30/97	30100.0	30.0	NA
Chromium	7/23/97	0.7	0.4	100
Cobalt	7/9/97	ND	20.0	NA
Copper	7/7/97	10.0	3.0	1000
Iron	7/9/97	1470.0	10.0	300
Lead	6/23/97	ND	0.5	10
Magnesium	7/7/97	4160.0	50.0	NA
Manganese	7/9/97	64.0	5.0	50
Mercury	6/27/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	6300.0	40.0	NA
Selenium	7/8/97	1.0	1.0	50
Silver	7/10/97	83.0*	3.0	20
Sodium	7/8/97	7050.0	10.0	50000
Thallium	7/8/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	38.0	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable
* = Calibration Blank result greater than GW criteria limit

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
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-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
2771.03	MW-19	29-32579	07/03/97
2771.04	MW-20	29-32580	07/03/97
2771.05	MW-21	29-32581	07/03/97

NJDEP Laboratory Certification # 13461

Report Date: 2 December, 1997

Daniel Wright
Laboratory Director

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST METALS	Standard Methods, 18th ed.
Aluminum	3111D
Antimony	3113B
Arsenic	3113B
Barium	3111D
Beryllium	3113B
Cadmium	3111B
Calcium	3111B
Chromium	3111D
Cobalt	3113B
Copper	3111B
Iron	3111B
Lead	3113B
Magnesium	3111B
Manganese	3111B
Mercury	3112B
Nickel	3111B
Potassium	3111B
Selenium	3113B
Silver	3111B
Sodium	3111B
Thallium	3113B
Vanadium	3111D
Zinc	3111B

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 (908)532-4359 Fax (908)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J Fallon
Phone #: X 26223
( )DERA ( )OMA ( )Other:
Project No:
Location: M-14
Samplers Name / Company : Ray Pogwist / TUS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	TCL VOA + 15	TAL metals	TCL BNA + 25	TCL Pest/PCB	Comments: Remarks / Preservation Method
2771 1	Trip Blank	7/3/97	0800	AQ	2	X				All Samples Kept ≤ 4°C
2	Field Blank		1015		5	X	X	X	X	(VOA - HCl) (Metals HNO_3)
3	M-14 MW19		1045							#29 32574
4	M-14 MW 20		1100							#29 32580
5	M-14 MW-21		1135							#29 32581
6	Field Dup		—							

Analysis Parameters

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Ray Pogwist	7/3/97 1300	D. 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
Turnaround time: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

print legibly

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: M-14
MW#: 19
NJDEP ID#: 2932579
NJDEP CERT#: 13461
SAMPLING CONTRATOR: TVS
SAMPLER: RAY POGWIST

DATE: 7/3/97 WEATHER: OVERCAST 80'S

ELEVATION OF CASING SURVEY MARK: 9.68
DTW: 7.20
DEPTH OF WELL: 17.50
HEIGHT OF WATER: 10.3
10.3 X 0.65 X 3 = 20.08
GAL OF H2O TO BE EVACUATED: 20.1
PURGE METHOD (FLOW OF >0.5 TO <5.0 GPM) : PERISTALTIC
PURGE RATE IN GPM: 0.3
Hnu in PPM: 0

PURGE START TIME: 9:30
pH: 8.04 TEMP IN ° C: 18.5
DISSOLVED O_2 IN PPM: 3.0 SPECIFIC CONDUCTIVITY IN us/cm: 90

PURGE END TIME: 10:40
pH: 7.75 TEMP IN °C: 18.5
DISSOLVED O_2 IN PPM: 2.1 SPECIFIC CONDUCTIVITY IN us/cm: 135

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING IN FT: 7.30
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED IN GAL.: 20.1

pH: 7.77 TEMP IN °C: 18.6
DISSOLVED O_2 IN PPM: 2.0 SPECIFIC CONDUCTIVITY IN us/cm: 140

COMMENTS:_____
_____
_____

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: M-14
MW# 20
NJDEP ID# 2932580
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE: 07/03/97 WEATHER: OVERCAST 80'S

ELEVATION OF CASING SURVEY MARK: 9.29
DTW: 6.60
DEPTH OF WELL: 16.90
HEIGHT OF WATER 10.3
10.3 X 0.65 X ___3___ = 20.1
GAL OF H2O TO BE EVACUATED 20 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) __PERISTALIC___
PURGE RATE 0.3 GPM
Hnu READING 0

PURGE START TIME: 9:45
pH: 8.43 TEMP 23.0 DEG °C
DISSOLVED O2 2.5 PPM SPECIFIC CONDUCTIVITY 110 us/cm

PURGE END TIME: 10:55
pH: 8.33 TEMP 18.2 DEG °C
DISSOLVED O2 2.0 PPM SPECIFIC CONDUCTIVITY 120 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 6.70 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 20 GAL

pH: 8.31 TEMP 18.0 DEG °C
DISSOLVED O2 2.0 PPM SPECIFIC CONDUCTIVITY 120 us/cm

COMMENTS:_____
_____
_____

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: M-14
MW#: 21
NJDEP ID#: 2932581
NJDEP CERT#: 13461
SAMPLING CONTRATOR: TVS
SAMPLER: RAY POGWIST

DATE: 7/3/97 WEATHER: OVERCAST 80'S

ELEVATION OF CASING SURVEY MARK: 9.57
DTW: 6.85
DEPTH OF WELL: 19.30
HEIGHT OF WATER: 12.45
12.45 X 0.65 X 3 = 24.28
GAL OF H2O TO BE EVACUATED: 24.28
PURGE METHOD (FLOW OF >0.5 TO <5.0 GPM) : PERISTALTIC
PURGE RATE IN GPM: 0.3
Hnu in PPM: 0

PURGE START TIME: 10:00
pH: 8.24 TEMP IN ° C: 19.7
DISSOLVED O_2 IN PPM: 2.5 SPECIFIC CONDUCTIVITY IN us/cm: 140

PURGE END TIME: 11:30
pH: 8.30 TEMP IN °C: 18.0
DISSOLVED O_2 IN PPM: 2.4 SPECIFIC CONDUCTIVITY IN us/cm: 125

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING IN FT: 9.20
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED IN GAL.: 25.3

pH: 8.35 TEMP IN °C: 17.9
DISSOLVED O_2 IN PPM: 2.0 SPECIFIC CONDUCTIVITY IN us/cm: 120

COMMENTS:_____
_____
_____

Organic Data Qualifiers

Form 1:

This form reports concentrations of Tentatively Identified Compounds. Form 1E is the Volatile report, Form 1F is for Semi-Volatiles.

Qualifiers are:

J	Estimated Value
N	Presumptive evidence of a compound
E	Concentration exceeds calibration range
D	Diluted sample
A	TIC is a suspected aldol condensation product

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

Data File Name	**V01241.D**	Sample Name	**Daily Blank**
Operator	**Paul Skelton**	Field ID	**Daily Blank**
Date Acquired	**07/11/19 -1:9:**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
107028	Acrolein			not detected	6.25 ug/L	na
107131	Acrylonitrile			not detected	6.25 ug/L	na
75650	tert-Butyl alcohol			not detected	12.50 ug/L	na
1634044	Methyl-tert-Butyl ether			not detected	1.25 ug/L	na
108203	Di-isopropyl ether			not detected	1.25 ug/L	na
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name **v01242.d**
Operator **Paul Skelton**
Date Acquired **07/11/97 10:52**

Sample Name **2771.01**
Field ID **Trip Blank**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
107028	Acrolein			not detected	6.25 ug/L	na
107131	Acrylonitrile			not detected	6.25 ug/L	na
75650	tert-Butyl alcohol			not detected	12.50 ug/L	na
1634044	Methyl-tert-Butyl ether			not detected	1.25 ug/L	na
108203	Di-isopropyl ether			not detected	1.25 ug/L	na
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name **v01243.d**
Operator **Paul Skelton**
Date Acquired **07/11/97 11:42**

Sample Name **2771.02**
Field ID **Field Blank**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
107028	Acrolein			not detected	6.25 ug/L	na
107131	Acrylonitrile			not detected	6.25 ug/L	na
75650	tert-Butyl alcohol			not detected	12.50 ug/L	na
1634044	Methyl-tert-Butyl ether			not detected	1.25 ug/L	na
108203	Di-isopropyl ether			not detected	1.25 ug/L	na
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name **v01247.d**
Operator **Paul Skelton**
Date Acquired **07/11/97 15:00**

Sample Name **2771.03**
Field ID **M14 MW19**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
107028	Acrolein			not detected	6.25 ug/L	na
107131	Acrylonitrile			not detected	6.25 ug/L	na
75650	tert-Butyl alcohol			not detected	12.50 ug/L	na
1634044	Methyl-tert-Butyl ether			not detected	1.25 ug/L	na
108203	Di-isopropyl ether			not detected	1.25 ug/L	na
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name **v01248.d**
Operator **Paul Skelton**
Date Acquired **07/11/97 15:50**

Sample Name **2771.04**
Field ID **M14 MW20**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
107028	Acrolein			not detected	6.25 ug/L	na
107131	Acrylonitrile			not detected	6.25 ug/L	na
75650	tert-Butyl alcohol			not detected	12.50 ug/L	na
1634044	Methyl-tert-Butyl ether			not detected	1.25 ug/L	na
108203	Di-isopropyl ether			not detected	1.25 ug/L	na
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name **v01249.d**
Operator **Paul Skelton**
Date Acquired **07/11/97 16:39**

Sample Name **2771.05**
Field ID **M14 MW21**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
107028	Acrolein			not detected	6.25 ug/L	na
107131	Acrylonitrile			not detected	6.25 ug/L	na
75650	tert-Butyl alcohol			not detected	12.50 ug/L	na
1634044	Methyl-tert-Butyl ether			not detected	1.25 ug/L	na
108203	Di-isopropyl ether			not detected	1.25 ug/L	na
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name **V01250.D**
Operator **Paul Skelton**
Date Acquired **07/11/97 17:28**

Sample Name **2771.06**
Field ID **Field Dup**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
107028	Acrolein			not detected	6.25 ug/L	na
107131	Acrylonitrile			not detected	6.25 ug/L	na
75650	tert-Butyl alcohol			not detected	12.50 ug/L	na
1634044	Methyl-tert-Butyl ether			not detected	1.25 ug/L	na
108203	Di-isopropyl ether			not detected	1.25 ug/L	na
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Daily Blank**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: Location SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Daily Blank

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01241.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/11/97

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Trip Blank

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2771 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2771.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01242.D

Level: (low/med) LOW Date Received: 07/03/97

% Moisture: not dec. Date Analyzed: 07/11/97

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2771 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2771.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01243.D

Level: (low/med) LOW Date Received: 07/03/97

% Moisture: not dec. Date Analyzed: 07/11/97

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW19**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2771 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2771.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01247.D

Level: (low/med) LOW Date Received: 07/03/97

% Moisture: not dec. Date Analyzed: 07/11/97

GC Column: RTX-502 ID: 0.25 (mm) 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	RT	EST. CONC.	Q
1. 001066-40-6	Silanol, trimethyl-	13.92	60	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW20**

Lab Name: FMETL Project:

NJDEP # 13461 Case No.: 2771 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2771.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01248.D

Level: (low/med) LOW Date Received: 07/03/97

% Moisture: not dec. Date Analyzed: 07/11/97

GC Column: RTX-502 ID: 0.25 (mm) 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	RT	EST. CONC.	Q
1. 001066-40-6	Silanol, trimethyl-	13.91	7	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW21

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2771 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2771.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01249.D

Level: (low/med) LOW Date Received: 07/03/97

% Moisture: not dec. Date Analyzed: 07/11/97

GC Column: RTX-502 ID: 0.25 (mm) 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	RT	EST. CONC.	Q
1. 001066-40-6	Silanol, trimethyl-	13.92	12	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Dup

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2771 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2771.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01250.D

Level: (low/med) LOW Date Received: 07/03/97

% Moisture: not dec. Date Analyzed: 07/11/97

GC Column: RTX-502 ID: 0.25 (mm) 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	RT	EST. CONC.	Q
1. 001066-40-6	Silanol, trimethyl-	13.93	14	JN

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

Data File Name	**bn0322.d**	Sample Name	**Extraction Blank**
Operator	**Skelton**	Field ID	**07/11/97**
Date Acquired	**07/31/97 13:17**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
110-86-1	Pyridine			not detected	5.00 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94 ug/L	20
62-53-3	Aniline			not detected	0.15 ug/L	
108-95-2	Phenol			not detected	0.47 ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48 ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18 ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23 ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16 ug/L	600
	2-Methylphenol			not detected	0.14 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61 ug/L	300
	4-Methylphenol			not detected	0.14 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36 ug/L	20
67-72-1	Hexachloroethane			not detected	0.33 ug/L	10
98-95-3	Nitrobenzene			not detected	0.46 ug/L	10
78-59-1	Isophorone			not detected	0.35 ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27 ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12 ug/L	20
65-85-0	Benzoic Acid			not detected	0.26 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25 ug/L	9
91-20-3	Naphthalene			not detected	0.25 ug/L	
106-47-8	4-Chloroaniline			not detected	0.19 ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38 ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18 ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50 ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42 ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31 ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32 ug/L	
88-74-4	2-Nitroaniline			not detected	0.21 ug/L	
131-11-3	Dimethylphthalate			not detected	0.18 ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31 ug/L	
99-09-2	3-Nitroaniline			not detected	0.26 ug/L	
83-32-9	Acenaphthene			not detected	0.26 ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69 ug/L	40

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate			not detected	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate	23.92	48875	1.86 ug/L	0.47 ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22 ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46 ug/L	60
218-01-9	Chrysene			not detected	0.20 ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	0.51 ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82 ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37 ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32 ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31 ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79 ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28 ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40 ug/L	

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

Data File Name **bn0293.d**
Operator **Paul Skelton**
Date Acquired **07/11/97 07:43**

Sample Name **2771.02**
Field ID **Field Blank**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Amount	MDL		GW Criteria
110-86-1	Pyridine			not detected	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94	ug/L	20
62-53-3	Aniline			not detected	0.15	ug/L	
108-95-2	Phenol			not detected	0.47	ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48	ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18	ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15	ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23	ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16	ug/L	600
	2-Methylphenol			not detected	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61	ug/L	300
	4-Methylphenol			not detected	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36	ug/L	20
67-72-1	Hexachloroethane			not detected	0.33	ug/L	10
98-95-3	Nitrobenzene			not detected	0.46	ug/L	10
78-59-1	Isophorone			not detected	0.35	ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27	ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12	ug/L	20
65-85-0	Benzoic Acid			not detected	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25	ug/L	9
91-20-3	Naphthalene			not detected	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38	ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50	ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42	ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31	ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	0.18	ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	0.26	ug/L	
83-32-9	Acenaphthene			not detected	0.26	ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69	ug/L	40
132-64-9	Dibenzofuran			not detected	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	0.27	ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36	ug/L	10

84-66-2	Diethylphthalate			not detected	0.82	ug/L	5000
86-73-7	Fluorene			not detected	0.29	ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23	ug/L	20
103-33-3	Azobenzene			not detected	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82	ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08	ug/L	1
85-01-8	Phenanthrene			not detected	0.18	ug/L	
120-12-7	Anthracene			not detected	0.19	ug/L	2000
84-74-2	Di-n-butylphthalate	20.46	210757	2.24 ug/L	0.23	ug/L	900
206-44-0	Fluoranthene			not detected	0.41	ug/L	300
92-87-5	Benzidine			not detected	1.45	ug/L	50
129-00-0	Pyrene			not detected	0.32	ug/L	200
85-68-7	Butylbenzylphthalate	23.95	47392	1.18 ug/L	0.47	ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22	ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46	ug/L	60
218-01-9	Chrysene			not detected	0.20	ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate	25.47	46121	0.87 ug/L	0.51	ug/L	30
117-84-0	Di-n-octylphthalate	26.86	162630	2.01 ug/L	0.82	ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37	ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32	ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31	ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79	ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28	ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40	ug/L	

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

Data File Name	**bn0294.d**	Sample Name	**2771.03**
Operator	**Skelton**	Field ID	**MW19**
Date Acquired	**7/11/97**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
110-86-1	Pyridine			not detected	5.00 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94 ug/L	20
62-53-3	Aniline			not detected	0.15 ug/L	
108-95-2	Phenol			not detected	0.47 ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48 ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18 ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23 ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16 ug/L	600
	2-Methylphenol			not detected	0.14 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61 ug/L	300
	4-Methylphenol			not detected	0.14 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36 ug/L	20
67-72-1	Hexachloroethane			not detected	0.33 ug/L	10
98-95-3	Nitrobenzene			not detected	0.46 ug/L	10
78-59-1	Isophorone			not detected	0.35 ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27 ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12 ug/L	20
65-85-0	Benzoic Acid			not detected	0.26 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25 ug/L	9
91-20-3	Naphthalene			not detected	0.25 ug/L	
106-47-8	4-Chloroaniline			not detected	0.19 ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38 ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18 ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50 ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42 ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31 ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32 ug/L	
88-74-4	2-Nitroaniline			not detected	0.21 ug/L	
131-11-3	Dimethylphthalate			not detected	0.18 ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31 ug/L	
99-09-2	3-Nitroaniline			not detected	0.26 ug/L	
83-32-9	Acenaphthene			not detected	0.26 ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69 ug/L	40

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate	20.46	106906	1.04 ug/L	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47 ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22 ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46 ug/L	60
218-01-9	Chrysene			not detected	0.20 ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	0.51 ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82 ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37 ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32 ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31 ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79 ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28 ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40 ug/L	

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

Data File Name	**bn0295.d**	Sample Name	**2771.04**
Operator	**Skelton**	Field ID	**MW20**
Date Acquired	**7/11/97**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
110-86-1	Pyridine			not detected	5.00 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94 ug/L	20
62-53-3	Aniline			not detected	0.15 ug/L	
108-95-2	Phenol			not detected	0.47 ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48 ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18 ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23 ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16 ug/L	600
	2-Methylphenol			not detected	0.14 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61 ug/L	300
	4-Methylphenol			not detected	0.14 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36 ug/L	20
67-72-1	Hexachloroethane			not detected	0.33 ug/L	10
98-95-3	Nitrobenzene			not detected	0.46 ug/L	10
78-59-1	Isophorone			not detected	0.35 ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27 ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12 ug/L	20
65-85-0	Benzoic Acid			not detected	0.26 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25 ug/L	9
91-20-3	Naphthalene			not detected	0.25 ug/L	
106-47-8	4-Chloroaniline			not detected	0.19 ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38 ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18 ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50 ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42 ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31 ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32 ug/L	
88-74-4	2-Nitroaniline			not detected	0.21 ug/L	
131-11-3	Dimethylphthalate			not detected	0.18 ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31 ug/L	
99-09-2	3-Nitroaniline			not detected	0.26 ug/L	
83-32-9	Acenaphthene			not detected	0.26 ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69 ug/L	40

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene	18.72	37458	0.56 ug/L	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate	20.46	127904	1.31 ug/L	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47 ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22 ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46 ug/L	60
218-01-9	Chrysene			not detected	0.20 ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	0.51 ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82 ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37 ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32 ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31 ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79 ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28 ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40 ug/L	

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**bn0296.d**	Sample Name	**2771.05**
Operator	**Skelton**	Field ID	**MW21**
Date Acquired	**7/11/97**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
110-86-1	Pyridine			not detected	5.00 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94 ug/L	20
62-53-3	Aniline			not detected	0.15 ug/L	
108-95-2	Phenol			not detected	0.47 ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48 ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18 ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23 ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16 ug/L	600
	2-Methylphenol			not detected	0.14 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61 ug/L	300
	4-Methylphenol			not detected	0.14 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36 ug/L	20
67-72-1	Hexachloroethane			not detected	0.33 ug/L	10
98-95-3	Nitrobenzene			not detected	0.46 ug/L	10
78-59-1	Isophorone			not detected	0.35 ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27 ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12 ug/L	20
65-85-0	Benzoic Acid			not detected	0.26 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25 ug/L	9
91-20-3	Naphthalene			not detected	0.25 ug/L	
106-47-8	4-Chloroaniline			not detected	0.19 ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38 ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18 ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50 ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42 ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31 ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32 ug/L	
88-74-4	2-Nitroaniline			not detected	0.21 ug/L	
131-11-3	Dimethylphthalate			not detected	0.18 ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31 ug/L	
99-09-2	3-Nitroaniline			not detected	0.26 ug/L	
83-32-9	Acenaphthene			not detected	0.26 ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69 ug/L	40

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate	20.46	424732	3.87 ug/L	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47 ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22 ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46 ug/L	60
218-01-9	Chrysene			not detected	0.20 ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	0.51 ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82 ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37 ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32 ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31 ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79 ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28 ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40 ug/L	

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

Data File Name	**bn0297.d**	Sample Name	**2771.06**
Operator	**Skelton**	Field ID	**Field Dup**
Date Acquired	**7/11/97**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
110-86-1	Pyridine			not detected	5.00 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94 ug/L	20
62-53-3	Aniline			not detected	0.15 ug/L	
108-95-2	Phenol			not detected	0.47 ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48 ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18 ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23 ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16 ug/L	600
	2-Methylphenol			not detected	0.14 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61 ug/L	300
	4-Methylphenol			not detected	0.14 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36 ug/L	20
67-72-1	Hexachloroethane			not detected	0.33 ug/L	10
98-95-3	Nitrobenzene			not detected	0.46 ug/L	10
78-59-1	Isophorone			not detected	0.35 ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27 ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12 ug/L	20
65-85-0	Benzoic Acid			not detected	0.26 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25 ug/L	9
91-20-3	Naphthalene			not detected	0.25 ug/L	
106-47-8	4-Chloroaniline			not detected	0.19 ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38 ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18 ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50 ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42 ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31 ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32 ug/L	
88-74-4	2-Nitroaniline			not detected	0.21 ug/L	
131-11-3	Dimethylphthalate			not detected	0.18 ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31 ug/L	
99-09-2	3-Nitroaniline			not detected	0.26 ug/L	
83-32-9	Acenaphthene			not detected	0.26 ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69 ug/L	40

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate	20.46	258223	2.18 ug/L	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47 ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22 ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46 ug/L	60
218-01-9	Chrysene			not detected	0.20 ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	0.51 ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82 ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37 ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32 ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31 ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79 ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28 ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40 ug/L	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: _____ Location _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: Extraction Blan

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0322.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 07/31/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 017851-53-5	1,2-Benzenedicarboxylic acid, but	20.46	50	JN
2.	unknown hydrocarbon	27.13	17	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2771 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2771.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0293.D

Level: (low/med) LOW Date Received: 07/07/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 07/11/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	27.16	28	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW19

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2771 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2771.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0294.D

Level: (low/med) LOW Date Received: 07/03/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 07/11/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	27.15	23	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW20

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2771 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2771.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0295.D

Level: (low/med) LOW Date Received: 07/03/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 07/11/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 031295-56-4	Dodecane, 2,6,11-trimethyl-	17.78	10	JN
2. 074645-98-0	Dodecane, 2,7,10-trimethyl-	18.88	9	JN
3.	unknown hydrocarbon	27.15	25	J
4. 000646-31-1	Tetracosane	27.25	8	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW21

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2771 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2771.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0296.D

Level: (low/med) LOW Date Received: 07/03/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 07/11/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	27.15	24	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Dup

Lab Name: FMETL Lab Code 13461

Project Case No.: 2771 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2771.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0297.D

Level: (low/med) LOW Date Received: 07/03/97

% Moisture: decanted: (Y/N) N Date Analyzed: 07/11/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	27.15	25	J

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

Client :	U.S. Army	**Lab. ID # :**	Extraction Blank
	DPW, SELFM-PW-EV	**Date Rec'd:**	NA
	Bldg. 173	**Extraction Date:**	7/8/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/15/97
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NA	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NA	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NA	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected
MDL = Method Detection Limit
NA = Not Applicable

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	2771.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	7/3/97
	Bldg. 173	**Extraction Date:**	7/8/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/16/97

Analysis: EPA Method 608 **Location :** M-14
Matrix: Aqueous
Analyst: D. Wright **Field ID:** Field Blank
Ext. Meth: Sep. Funnel

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NA	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NA	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NA	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected
MDL = Method Detection Limit
NA = Not Applicable

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	2771.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	7/3/97
	Bldg. 173	**Extraction Date:**	7/8/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/16/97

Analysis: EPA Method 608 **Location :** M-14
Matrix: Aqueous
Analyst: D. Wright **Field ID:** MW-19
Ext. Meth: Sep. Funnel

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NA	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NA	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NA	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected
MDL = Method Detection Limit
NA = Not Applicable

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	2771.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	7/3/97
	Bldg. 173	**Extraction Date:**	7/8/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/16/97

Analysis: EPA Method 608 **Location :** M-14
Matrix: Aqueous
Analyst: D. Wright **Field ID:** MW-20
Ext. Meth: Sep. Funnel

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NA	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NA	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NA	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected
MDL = Method Detection Limit
NA = Not Applicable

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	2771.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	7/3/97
	Bldg. 173	**Extraction Date:**	7/8/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/16/97
Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NA	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NA	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NA	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected
MDL = Method Detection Limit
NA = Not Applicable

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	2771.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	7/3/97
	Bldg. 173	**Extraction Date:**	7/8/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/16/97

Analysis: EPA Method 608 **Location :** M-14
Matrix: Aqueous
Analyst: D. Wright **Field ID:** Field DUP
Ext. Meth: Sep. Funnel

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NA	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NA	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NA	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected
MDL = Method Detection Limit
NA = Not Applicable

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

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

Lab ID #: Method Blank
Sample Received: NA
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: NA

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	8/21/97	ND	0.5	200
Antimony	8/12/97	ND	0.1	20
Arsenic	8/5/97	ND	1.0	8
Barium	7/31/97	ND	0.5	200
Beryllium	7/10/97	ND	0.06	20
Cadmium	7/8/97	ND	2.0	4
Calcium	7/30/97	ND	3.0	NA
Chromium	7/24/97	ND	0.4	100
Cobalt	7/9/97	ND	20.0	NA
Copper	7/7/97	ND	3.0	1000
Iron	7/9/97	ND	10.0	300
Lead	7/18/97	ND	0.5	10
Manganese	7/9/97	ND	5.0	50
Magnesium	7/7/97	ND	50.0	NA
Mercury	7/14/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	ND	40.0	NA
Selenium	8/12/97	ND	1.0	50
Silver	7/10/97	26.0**	3.0	20
Sodium	7/8/97	ND	10.0	50000
Thallium	8/6/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	3.0	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable
** = Calibration blank result greater than GW Criteria Level

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

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

Lab ID #: 2771.02
Sample Received: 7/3/97
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	8/21/97	0.5	0.5	200
Antimony	8/12/97	ND	0.1	20
Arsenic	8/5/97	2.0	1.0	8
Barium	7/31/97	1.6	0.5	200
Beryllium	7/10/97	ND	0.06	20
Cadmium	7/8/97	ND	2.0	4
Calcium	7/30/97	120.0	3.0	NA
Chromium	7/24/97	ND	0.4	100
Cobalt	7/9/97	ND	20.0	NA
Copper	7/7/97	10.0	3.0	1000
Iron	7/9/97	ND	10.0	300
Lead	7/18/97	ND	0.5	10
Manganese	7/9/97	28.0	5.0	50
Magnesium	7/7/97	110.0	50.0	NA
Mercury	7/14/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	270.0	40.0	NA
Selenium	8/12/97	ND	1.0	50
Silver	7/10/97	29.0**	3.0	20
Sodium	7/8/97	320.0	10.0	50000
Thallium	8/6/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	12.0	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable
** = Calibration blank result greater than GW Criteria Level

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

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

Lab ID #: 2771.03
Sample Received: 7/3/97
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	8/21/97	124.1	0.5	200
Antimony	8/12/97	ND	0.1	20
Arsenic	8/5/97	2.0	1.0	8
Barium	7/31/97	70.8	0.5	200
Beryllium	7/10/97	ND	0.06	20
Cadmium	7/8/97	ND	2.0	4
Calcium	7/30/97	27810.0	3.0	NA
Chromium	7/24/97	ND	0.4	100
Cobalt	7/9/97	ND	20.0	NA
Copper	7/7/97	6.0	3.0	1000
Iron	7/9/97	30280.0	10.0	300
Lead	7/18/97	ND	0.5	10
Manganese	7/9/97	291.0	5.0	50
Magnesium	7/7/97	4280.0	50.0	NA
Mercury	7/14/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	5340.0	40.0	NA
Selenium	8/12/97	ND	1.0	50
Silver	7/10/97	27.0**	3.0	20
Sodium	7/8/97	8320.0	10.0	50000
Thallium	8/6/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	21.0	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable
** = Calibration blank result greater than GW Criteria Level

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

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

Lab ID #: 2771.04
Sample Received: 7/3/97
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	8/21/97	21.2	0.5	200
Antimony	8/12/97	ND	0.1	20
Arsenic	8/5/97	2.0	1.0	8
Barium	7/31/97	14.6	0.5	200
Beryllium	7/10/97	ND	0.06	20
Cadmium	7/8/97	ND	2.0	4
Calcium	7/30/97	24700.0	3.0	NA
Chromium	7/24/97	ND	0.4	100
Cobalt	7/9/97	ND	20.0	NA
Copper	7/7/97	9.0	3.0	1000
Iron	7/9/97	2470.0	10.0	300
Lead	7/18/97	ND	0.5	10
Manganese	7/9/97	75.0	5.0	50
Magnesium	7/7/97	2350.0	50.0	NA
Mercury	7/14/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	5290.0	40.0	NA
Selenium	8/12/97	ND	1.0	50
Silver	7/10/97	29.0**	3.0	20
Sodium	7/8/97	6000.0	10.0	50000
Thallium	8/6/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	24.0	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable
** = Calibration blank result greater than GW Criteria Level

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

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

Lab ID #: 2771.05
Sample Received: 7/3/97
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	8/21/97	26.8	0.5	200
Antimony	8/12/97	ND	0.1	20
Arsenic	8/5/97	ND	1.0	8
Barium	7/31/97	25.1	0.5	200
Beryllium	7/10/97	ND	0.06	20
Cadmium	7/8/97	ND	2.0	4
Calcium	7/30/97	29690.0	3.0	NA
Chromium	7/24/97	ND	0.4	100
Cobalt	7/9/97	ND	20.0	NA
Copper	7/7/97	7.0	3.0	1000
Iron	7/9/97	940.0	10.0	300
Lead	7/18/97	ND	0.5	10
Manganese	7/9/97	84.0	5.0	50
Magnesium	7/7/97	4310.0	50.0	NA
Mercury	7/14/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	6360.0	40.0	NA
Selenium	8/12/97	ND	1.0	50
Silver	7/10/97	56.0**	3.0	20
Sodium	7/8/97	6770.0	10.0	50000
Thallium	8/6/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	26.0	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable
** = Calibration blank result greater than GW Criteria Level

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

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

Lab ID #: 2771.06
Sample Received: 7/3/97
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Field Dup.

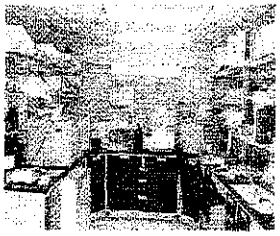
TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	8/21/97	23.4	0.5	200
Antimony	8/12/97	ND	0.1	20
Arsenic	8/5/97	ND	1.0	8
Barium	7/31/97	24.1	0.5	200
Beryllium	7/10/97	ND	0.06	20
Cadmium	7/8/97	ND	2.0	4
Calcium	7/30/97	28910.0	3.0	NA
Chromium	7/24/97	ND	0.4	100
Cobalt	7/9/97	ND	20.0	NA
Copper	7/7/97	8.0	3.0	1000
Iron	7/9/97	910.0	10.0	300
Lead	7/18/97	ND	0.5	10
Manganese	7/9/97	88.0	5.0	50
Magnesium	7/7/97	4240.0	50.0	NA
Mercury	7/14/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	6350.0	40.0	NA
Selenium	8/12/97	ND	1.0	50
Silver	7/10/97	30.0**	3.0	20
Sodium	7/8/97	7020.0	10.0	50000
Thallium	8/6/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	27.0	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable
** = Calibration blank result greater than GW Criteria Level

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
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-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3151.03	MW-19	29-32579	11/07/97
3151.05	MW-20	29-32580	11/07/97
3151.04	MW-21	29-32581	11/07/97

NJDEP Laboratory Certification # 13461

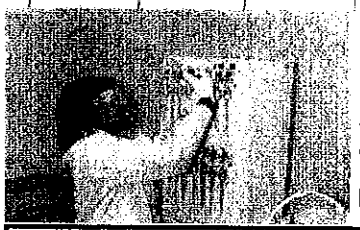
Report Date: 8 January, 1998

Daniel Wright
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 (908)532-4359 Fax (908)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J Fallon
Phone #: X16223
(X)DERA ( )OMA ( )Other:_____
Project No:
Location: M-14
Samplers Name / Company : Ray Polowist /TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA +15	TAL Metals	TCLP BNA + 25	TCLP PEST / PCB					Comments: Remarks / Preservation Method
31501	TRIP BLANK	11/7/97	0800	AQ	2	X								All Samples Kept < 4°C
02	Field Blank		1000		5	X	X	X	X					VOA - HCl
03	MW19 # 2432579		1110											Metals - HNO_3
04	MW21 # 2432581		1120											
05	MW10 # 2432580		1445											
06	Field Dup		—											

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	11/7/97 1515	[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
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

print legibly

~me1328.xls10/27/97

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: M-14
MW#: 19
NJDEP ID#: 2932579
NJDEP CERT#: 13461
SAMPLING CONTRATOR: TVS
SAMPLER: RAY POGWIST

DATE: 11/7/97 WEATHER: WINDY CLOUDY 40'S

ELEVATION OF CASING SURVEY MARK: 9.68
DTW: 7.35
DEPTH OF WELL: 17.50
HEIGHT OF WATER: 10.15
10.15 X 0.65 X 3 = 19.7925
GAL OF H2O TO BE EVACUATED: 19.80
PURGE METHOD (FLOW OF >0.5 TO <5.0 GPM) : PERISTALTIC
PURGE RATE IN GPM: 0.2
Hnu in PPM: 0

PURGE START TIME: 9:30
pH: 9.05 TEMP IN ° C: 13.2
DISSOLVED O_2 IN PPM: 4.2 SPECIFIC CONDUCTIVITY IN us/cm: 100

PURGE END TIME: 11:09
pH: 6.88 TEMP IN °C: 13.0
DISSOLVED O_2 IN PPM: 3.7 SPECIFIC CONDUCTIVITY IN us/cm: 130

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING IN FT: 7.40
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED IN GAL.: 19.8

pH: 6.85 TEMP IN °C: 13.0
DISSOLVED O_2 IN PPM: 3.8 SPECIFIC CONDUCTIVITY IN us/cm: 130

COMMENTS:_____
_____
_____

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: M-14
MW#: 20
NJDEP ID#: 2932580
NJDEP CERT#: 13461
SAMPLING CONTRATOR: TVS
SAMPLER: RAY POGWIST

DATE: 11/7/97 WEATHER: WINDY CLOUDY 40'S

ELEVATION OF CASING SURVEY MARK: 9.29
DTW: 6.50
DEPTH OF WELL: 16.90
HEIGHT OF WATER: 10.4
10.4 X 0.65 X 3 = 20.28
GAL OF H2O TO BE EVACUATED: 20.4
PURGE METHOD (FLOW OF >0.5 TO <5.0 GPM) : PERISTALTIC
PURGE RATE IN GPM: 0.2
Hnu in PPM: 0

PURGE START TIME: 13:00
pH: 7.60 TEMP IN ° C: 12.9
DISSOLVED O_2 IN PPM: 2.4 SPECIFIC CONDUCTIVITY IN us/cm: 130

PURGE END TIME: 14:42
pH: 10.25 TEMP IN °C: 13.3
DISSOLVED O_2 IN PPM: 2.4 SPECIFIC CONDUCTIVITY IN us/cm: 140

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING IN FT: 9.90
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED IN GAL.: 20.4

pH: 10.20 TEMP IN °C: 13.2
DISSOLVED O_2 IN PPM: 2.4 SPECIFIC CONDUCTIVITY IN us/cm: 140

COMMENTS:_____
_____
_____

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: M-14
MW#: 21
NJDEP ID#: 2932581
NJDEP CERT#: 13461
SAMPLING CONTRATOR: TVS
SAMPLER: RAY POGWIST

DATE: 11/7/97 WEATHER: WINDY CLOUDY 40'S

ELEVATION OF CASING SURVEY MARK: 9.57
DTW: 7.10
DEPTH OF WELL: 16.90
HEIGHT OF WATER: 9.80
9.80 X 0.65 X 3 = 19.11
GAL OF H2O TO BE EVACUATED: 19.2
PURGE METHOD (FLOW OF >0.5 TO <5.0 GPM) : PERISTALTIC
PURGE RATE IN GPM: 0.2
Hnu in PPM: 0

PURGE START TIME: 9:40
pH: 7.50 TEMP IN ° C: 14.6
DISSOLVED O_2 IN PPM: 3.1 SPECIFIC CONDUCTIVITY IN us/cm: 140

PURGE END TIME: 11:16
pH: 9.60 TEMP IN °C: 14.3
DISSOLVED O_2 IN PPM: 2.1 SPECIFIC CONDUCTIVITY IN us/cm: 180

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING IN FT: 7.30
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED IN GAL.: 19.2

pH: 9.55 TEMP IN °C: 14.2
DISSOLVED O_2 IN PPM: 2.1 SPECIFIC CONDUCTIVITY IN us/cm: 180

COMMENTS:_____
_____
_____

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL	: Method Detection Limit
J	: Compound identified below detection limit
B	: Compound in both sample and blank
D	: Results from dilution of sample
U	: Compound searched for but not detected

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

Data File Name	**v02411.d**	Sample Name	**Daily Blank**
Operator	**Skelton**	Field ID	**Daily Blank**
Date Acquired	**11/12/19 -1:1:**	Sample Multiplier	1

CAS#	Name	R.T.	Response	Amount	MDL	Qualifiers	GW Criteria
107028	Acrolein			not detected	6.25 ug/L		na
107131	Acrylonitrile			not detected	6.25 ug/L		na
75650	tert-Butyl alcohol			not detected	12.50 ug/L		na
1634044	Methyl-tert-Butyl ether			not detected	2.50 ug/L		na
108203	Di-isopropyl ether			not detected	1.25 ug/L		na
	Dichlorodifluoromethane			not detected	3.63 ug/L		na
74-87-3	Chloromethane			not detected	0.79 ug/L		30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L		5
74-83-9	Bromomethane			not detected	1.45 ug/L		10
75-00-3	Chloroethane			not detected	2.20 ug/L		na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L		na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L		2
67-64-1	Acetone			not detected	1.57 ug/L		700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L		na
75-09-2	Methylene Chloride			not detected	1.66 ug/L		2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L		100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L		70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L		na
78-93-3	2-Butanone			not detected	2.06 ug/L		300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L		10
67-66-3	Chloroform			not detected	0.43 ug/L		6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L		30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L		2
71-43-2	Benzene			not detected	0.51 ug/L		1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L		2
79-01-6	Trichloroethene			not detected	0.94 ug/L		1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L		1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L		1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L		na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L		na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L		400
108-88-3	Toluene			not detected	0.73 ug/L		1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L		na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L		3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L		1
591-78-6	2-Hexanone			not detected	1.12 ug/L		na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L		10
108-90-7	Chlorobenzene			not detected	0.66 ug/L		4
100-41-4	Ethylbenzene			not detected	1.14 ug/L		700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L		na
1330-20-7	o-Xylene			not detected	1.92 ug/L		na
100-42-5	Styrene			not detected	1.57 ug/L		100
75-25-2	Bromoform			not detected	1.68 ug/L		4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L		2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L		600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L		74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L		600

Qualifiers

B = Compound found in related blank
E = Value above linier range
D = Value from dilution

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

Data File Name	**v02414.d**	Sample Name	**3151.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**11/12/19 -1:3:**	Sample Multiplier	1

CAS#	Name	R.T.	Response	Amount	MDL	Qualifiers	GW Criteria
107028	Acrolein			not detected	6.25 ug/L		na
107131	Acrylonitrile			not detected	6.25 ug/L		na
75650	tert-Butyl alcohol			not detected	12.50 ug/L		na
1634044	Methyl-tert-Butyl ether			not detected	2.50 ug/L		na
108203	Di-isopropyl ether			not detected	1.25 ug/L		na
	Dichlorodifluoromethane			not detected	3.63 ug/L		na
74-87-3	Chloromethane			not detected	0.79 ug/L		30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L		5
74-83-9	Bromomethane			not detected	1.45 ug/L		10
75-00-3	Chloroethane			not detected	2.20 ug/L		na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L		na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L		2
67-64-1	Acetone			not detected	1.57 ug/L		700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L		na
75-09-2	Methylene Chloride			not detected	1.66 ug/L		2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L		100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L		70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L		na
78-93-3	2-Butanone	17.28	42398	25.00 ug/L	2.06 ug/L		300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L		10
67-66-3	Chloroform			not detected	0.43 ug/L		6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L		30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L		2
71-43-2	Benzene			not detected	0.51 ug/L		1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L		2
79-01-6	Trichloroethene			not detected	0.94 ug/L		1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L		1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L		1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L		na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L		na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L		400
108-88-3	Toluene			not detected	0.73 ug/L		1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L		na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L		3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L		1
591-78-6	2-Hexanone			not detected	1.12 ug/L		na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L		10
108-90-7	Chlorobenzene			not detected	0.66 ug/L		4
100-41-4	Ethylbenzene			not detected	1.14 ug/L		700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L		na
1330-20-7	o-Xylene			not detected	1.92 ug/L		na
100-42-5	Styrene			not detected	1.57 ug/L		100
75-25-2	Bromoform			not detected	1.68 ug/L		4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L		2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L		600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L		74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L		600

Qualifiers

B = Compound found in related blank
E = Value above linier range
D = Value from dilution

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

Data File Name	**v02426.d**	Sample Name	**3151.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**11/13/19 -1:8:**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	Qualifiers	GW Criteria
107028	Acrolein			not detected	6.25 ug/L		na
107131	Acrylonitrile			not detected	6.25 ug/L		na
75650	tert-Butyl alcohol			not detected	12.50 ug/L		na
1634044	Methyl-tert-Butyl ether			not detected	2.50 ug/L		na
108203	Di-isopropyl ether			not detected	1.25 ug/L		na
	Dichlorodifluoromethane			not detected	3.63 ug/L		na
74-87-3	Chloromethane			not detected	0.79 ug/L		30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L		5
74-83-9	Bromomethane			not detected	1.45 ug/L		10
75-00-3	Chloroethane			not detected	2.20 ug/L		na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L		na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L		2
67-64-1	Acetone			not detected	1.57 ug/L		700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L		na
75-09-2	Methylene Chloride			not detected	1.66 ug/L		2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L		100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L		70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L		na
78-93-3	2-Butanone	17.26	23548	16.85 ug/L	2.06 ug/L		300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L		10
67-66-3	Chloroform			not detected	0.43 ug/L		6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L		30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L		2
71-43-2	Benzene			not detected	0.51 ug/L		1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L		2
79-01-6	Trichloroethene			not detected	0.94 ug/L		1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L		1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L		1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L		na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L		na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L		400
108-88-3	Toluene			not detected	0.73 ug/L		1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L		na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L		3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L		1
591-78-6	2-Hexanone			not detected	1.12 ug/L		na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L		10
108-90-7	Chlorobenzene			not detected	0.66 ug/L		4
100-41-4	Ethylbenzene			not detected	1.14 ug/L		700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L		na
1330-20-7	o-Xylene			not detected	1.92 ug/L		na
100-42-5	Styrene			not detected	1.57 ug/L		100
75-25-2	Bromoform			not detected	1.68 ug/L		4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L		2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L		600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L		74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L		600

Qualifiers

B = Compound found in related blank

E = Value above linier range

D = Value from dilution

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

Data File Name	**v02416.d**	Sample Name	**3151.03**
Operator	**Skelton**	Field ID	**MW19**
Date Acquired	**11/12/19 -1:5:**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	Qualifiers	GW Criteria
107028	Acrolein			not detected	6.25 ug/L		na
107131	Acrylonitrile			not detected	6.25 ug/L		na
75650	tert-Butyl alcohol			not detected	12.50 ug/L		na
1634044	Methyl-tert-Butyl ether			not detected	2.50 ug/L		na
108203	Di-isopropyl ether			not detected	1.25 ug/L		na
	Dichlorodifluoromethane			not detected	3.63 ug/L		na
74-87-3	Chloromethane			not detected	0.79 ug/L		30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L		5
74-83-9	Bromomethane			not detected	1.45 ug/L		10
75-00-3	Chloroethane			not detected	2.20 ug/L		na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L		na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L		2
67-64-1	Acetone			not detected	1.57 ug/L		700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L		na
75-09-2	Methylene Chloride			not detected	1.66 ug/L		2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L		100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L		70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L		na
78-93-3	2-Butanone			not detected	2.06 ug/L		300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L		10
67-66-3	Chloroform			not detected	0.43 ug/L		6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L		30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L		2
71-43-2	Benzene			not detected	0.51 ug/L		1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L		2
79-01-6	Trichloroethene			not detected	0.94 ug/L		1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L		1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L		1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L		na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L		na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L		400
108-88-3	Toluene			not detected	0.73 ug/L		1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L		na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L		3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L		1
591-78-6	2-Hexanone			not detected	1.12 ug/L		na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L		10
108-90-7	Chlorobenzene			not detected	0.66 ug/L		4
100-41-4	Ethylbenzene			not detected	1.14 ug/L		700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L		na
1330-20-7	o-Xylene			not detected	1.92 ug/L		na
100-42-5	Styrene			not detected	1.57 ug/L		100
75-25-2	Bromoform			not detected	1.68 ug/L		4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L		2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L		600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L		74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L		600

Qualifiers

B = Compound found in related blank
E = Value above linier range
D = Value from dilution

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

Data File Name	**V02418**	Sample Name	**3151.05**
Operator	**Skelton**	Field ID	**MW20**
Date Acquired	**11/12/97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
107028	Acrolein			not detected	nle	6.25 ug/L	
107131	Acrylonitrile			not detected	nle	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	30	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.61 ug/L	
74-83-9	Bromomethane			not detected	10	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.74 ug/L	
67-64-1	Acetone			not detected	700	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	300	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.65 ug/L	
67-66-3	Chloroform			not detected	6	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.20 ug/L	
71-43-2	Benzene			not detected	1	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.33 ug/L	
108-88-3	Toluene			not detected	1000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	100	1.57 ug/L	
75-25-2	Bromoform			not detected	4	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	74	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 ug/L	

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

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

Data File Name	**v02417.d**	Sample Name	**3151.04**
Operator	**Skelton**	Field ID	**MW21**
Date Acquired	**11/12/19 -1:6:**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	Qualifiers	GW Criteria
107028	Acrolein			not detected	6.25 ug/L		na
107131	Acrylonitrile			not detected	6.25 ug/L		na
75650	tert-Butyl alcohol			not detected	12.50 ug/L		na
1634044	Methyl-tert-Butyl ether			not detected	2.50 ug/L		na
108203	Di-isopropyl ether			not detected	1.25 ug/L		na
	Dichlorodifluoromethane			not detected	3.63 ug/L		na
74-87-3	Chloromethane			not detected	0.79 ug/L		30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L		5
74-83-9	Bromomethane			not detected	1.45 ug/L		10
75-00-3	Chloroethane			not detected	2.20 ug/L		na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L		na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L		2
67-64-1	Acetone			not detected	1.57 ug/L		700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L		na
75-09-2	Methylene Chloride			not detected	1.66 ug/L		2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L		100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L		70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L		na
78-93-3	2-Butanone			not detected	2.06 ug/L		300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L		10
67-66-3	Chloroform			not detected	0.43 ug/L		6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L		30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L		2
71-43-2	Benzene			not detected	0.51 ug/L		1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L		2
79-01-6	Trichloroethene			not detected	0.94 ug/L		1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L		1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L		1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L		na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L		na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L		400
108-88-3	Toluene			not detected	0.73 ug/L		1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L		na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L		3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L		1
591-78-6	2-Hexanone			not detected	1.12 ug/L		na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L		10
108-90-7	Chlorobenzene			not detected	0.66 ug/L		4
100-41-4	Ethylbenzene			not detected	1.14 ug/L		700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L		na
1330-20-7	o-Xylene			not detected	1.92 ug/L		na
100-42-5	Styrene			not detected	1.57 ug/L		100
75-25-2	Bromoform			not detected	1.68 ug/L		4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L		2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L		600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L		74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L		600

Qualifiers

B = Compound found in related blank
E = Value above linier range
D = Value from dilution

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

Data File Name	**V02419.D**	Sample Name	**3151.06**
Operator	**Skelton**	Field ID	**Field Dup**
Date Acquired	**11/12/19 -1:7:**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	Qualifiers	GW Criteria
107028	Acrolein			not detected	6.25 ug/L		na
107131	Acrylonitrile			not detected	6.25 ug/L		na
75650	tert-Butyl alcohol			not detected	12.50 ug/L		na
1634044	Methyl-tert-Butyl ether			not detected	2.50 ug/L		na
108203	Di-isopropyl ether			not detected	1.25 ug/L		na
	Dichlorodifluoromethane			not detected	3.63 ug/L		na
74-87-3	Chloromethane			not detected	0.79 ug/L		30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L		5
74-83-9	Bromomethane			not detected	1.45 ug/L		10
75-00-3	Chloroethane			not detected	2.20 ug/L		na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L		na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L		2
67-64-1	Acetone			not detected	1.57 ug/L		700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L		na
75-09-2	Methylene Chloride			not detected	1.66 ug/L		2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L		100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L		70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L		na
78-93-3	2-Butanone			not detected	2.06 ug/L		300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L		10
67-66-3	Chloroform			not detected	0.43 ug/L		6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L		30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L		2
71-43-2	Benzene			not detected	0.51 ug/L		1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L		2
79-01-6	Trichloroethene			not detected	0.94 ug/L		1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L		1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L		1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L		na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L		na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L		400
108-88-3	Toluene			not detected	0.73 ug/L		1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L		na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L		3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L		1
591-78-6	2-Hexanone			not detected	1.12 ug/L		na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L		10
108-90-7	Chlorobenzene			not detected	0.66 ug/L		4
100-41-4	Ethylbenzene			not detected	1.14 ug/L		700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L		na
1330-20-7	o-Xylene			not detected	1.92 ug/L		na
100-42-5	Styrene			not detected	1.57 ug/L		100
75-25-2	Bromoform			not detected	1.68 ug/L		4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L		2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L		600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L		74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L		600

Qualifiers

B = Compound found in related blank
E = Value above linier range
D = Value from dilution

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Daily Blank**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3151 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Daily Blank

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02411.D

Level: (low/med) LOW Date Received: 11/07/97

% Moisture: not dec. Date Analyzed: 11/12/97

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Trip Blank

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3151 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3151.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02414.D

Level: (low/med) LOW Date Received: 11/07/97

% Moisture: not dec. Date Analyzed: 11/12/97

GC Column: RTX-502 ID: 0.25 (mm) 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	RT	EST. CONC.	Q
1.	unknown hydrocarbon	13.83	17	J
2. 000624-83-9	Methane, isocyanato-	19.60	17	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Field Blank

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3151 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3151.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02426.D

Level: (low/med) LOW Date Received: 11/07/97

% Moisture: not dec. Date Analyzed: 11/13/97

GC Column: RTX-502 ID: 0.25 (mm) 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	RT	EST. CONC.	Q
1.	unknown hydrocarbon	19.57	10	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW19**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3151 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3151.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02416.D

Level: (low/med) LOW Date Received: 11/07/97

% Moisture: not dec. Date Analyzed: 11/12/97

GC Column: RTX-502 ID: 0.25 (mm) 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	RT	EST. CONC.	Q
1. 001066-40-6	Silanol, trimethyl-	13.82	53	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW20**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3151 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3151.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02418.D

Level: (low/med) LOW Date Received: 11/07/97

% Moisture: not dec. Date Analyzed: 11/12/97

GC Column: RTX-502 ID: 0.25 (mm) 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	RT	EST. CONC.	Q
1.	unknown hydrocarbon	6.50	11	J
2.	unknown hydrocarbon	13.83	33	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW21**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3151 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3151.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02417.D

Level: (low/med) LOW Date Received: 11/07/97

% Moisture: not dec. Date Analyzed: 11/12/97

GC Column: RTX-502 ID: 0.25 (mm) 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	RT	EST. CONC.	Q
1.	unknown hydrocarbon	6.51	23	J
2. 001066-40-6	Silanol, trimethyl-	13.81	74	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Dup

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3151 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3151.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02419.D

Level: (low/med) LOW Date Received: 11/07/97

% Moisture: not dec. Date Analyzed: 11/12/97

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

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

Data File Name	**BN0696.D**	Sample Name	**SBLK03**
Operator	**Skelton**	Field ID	**11/12/97**
Date Acquired	**11/26/97 00:33**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
110-86-1	Pyridine			not detected	5.00 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94 ug/L	20
62-53-3	Aniline			not detected	0.15 ug/L	
108-95-2	Phenol			not detected	0.47 ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48 ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18 ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23 ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16 ug/L	600
	2-Methylphenol			not detected	0.14 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61 ug/L	300
	4-Methylphenol			not detected	0.14 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36 ug/L	20
67-72-1	Hexachloroethane			not detected	0.33 ug/L	10
98-95-3	Nitrobenzene			not detected	0.46 ug/L	10
78-59-1	Isophorone			not detected	0.35 ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27 ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12 ug/L	20
65-85-0	Benzoic Acid			not detected	0.26 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25 ug/L	9
91-20-3	Naphthalene			not detected	0.25 ug/L	
106-47-8	4-Chloroaniline			not detected	0.19 ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38 ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18 ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50 ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42 ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31 ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32 ug/L	
88-74-4	2-Nitroaniline			not detected	0.21 ug/L	
131-11-3	Dimethylphthalate			not detected	0.18 ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31 ug/L	
99-09-2	3-Nitroaniline			not detected	0.26 ug/L	
83-32-9	Acenaphthene			not detected	0.26 ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69 ug/L	40

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate	16.40	75068	0.91 ug/L	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine	16.94	21142	0.51 ug/L	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate	20.27	1221528	9.25 ug/L	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47 ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22 ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46 ug/L	60
218-01-9	Chrysene			not detected	0.20 ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate	25.26	676749	7.96 ug/L	0.51 ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82 ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37 ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32 ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31 ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79 ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28 ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40 ug/L	

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

Data File Name	**bn0706.d**	Sample Name	**3151.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**11/26/97 07:11**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
110-86-1	Pyridine			not detected	5.00 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94 ug/L	20
62-53-3	Aniline			not detected	0.15 ug/L	
108-95-2	Phenol			not detected	0.47 ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48 ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18 ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23 ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16 ug/L	600
	2-Methylphenol			not detected	0.14 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61 ug/L	300
	4-Methylphenol			not detected	0.14 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36 ug/L	20
67-72-1	Hexachloroethane			not detected	0.33 ug/L	10
98-95-3	Nitrobenzene			not detected	0.46 ug/L	10
78-59-1	Isophorone			not detected	0.35 ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27 ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12 ug/L	20
65-85-0	Benzoic Acid			not detected	0.26 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25 ug/L	9
91-20-3	Naphthalene			not detected	0.25 ug/L	
106-47-8	4-Chloroaniline			not detected	0.19 ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38 ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18 ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50 ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42 ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31 ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32 ug/L	
88-74-4	2-Nitroaniline			not detected	0.21 ug/L	
131-11-3	Dimethylphthalate			not detected	0.18 ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31 ug/L	
99-09-2	3-Nitroaniline			not detected	0.26 ug/L	
83-32-9	Acenaphthene			not detected	0.26 ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69 ug/L	40

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate	16.40	111758	1.40 ug/L	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate	20.27	1145987	9.22 ug/L	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47 ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22 ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46 ug/L	60
218-01-9	Chrysene			not detected	0.20 ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate	25.26	567815	7.45 ug/L	0.51 ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82 ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37 ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32 ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31 ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79 ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28 ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40 ug/L	

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

Data File Name	**bn0707.d**	Sample Name	**3151.03**
Operator	**Skelton**	Field ID	**MW19**
Date Acquired	**11/26/97 07:53**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
110-86-1	Pyridine			not detected	5.00 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94 ug/L	20
62-53-3	Aniline			not detected	0.15 ug/L	
108-95-2	Phenol			not detected	0.47 ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48 ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18 ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23 ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16 ug/L	600
	2-Methylphenol			not detected	0.14 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61 ug/L	300
	4-Methylphenol			not detected	0.14 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36 ug/L	20
67-72-1	Hexachloroethane			not detected	0.33 ug/L	10
98-95-3	Nitrobenzene			not detected	0.46 ug/L	10
78-59-1	Isophorone			not detected	0.35 ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27 ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12 ug/L	20
65-85-0	Benzoic Acid			not detected	0.26 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25 ug/L	9
91-20-3	Naphthalene			not detected	0.25 ug/L	
106-47-8	4-Chloroaniline			not detected	0.19 ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38 ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18 ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50 ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42 ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31 ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32 ug/L	
88-74-4	2-Nitroaniline			not detected	0.21 ug/L	
131-11-3	Dimethylphthalate			not detected	0.18 ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31 ug/L	
99-09-2	3-Nitroaniline			not detected	0.26 ug/L	
83-32-9	Acenaphthene			not detected	0.26 ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69 ug/L	40

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate	20.26	206848	1.60 ug/L	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47 ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22 ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46 ug/L	60
218-01-9	Chrysene			not detected	0.20 ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	0.51 ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82 ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37 ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32 ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31 ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79 ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28 ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40 ug/L	

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

Data File Name	**bn0709.d**	Sample Name	**3151.05**
Operator	**Skelton**	Field ID	**MW20**
Date Acquired	**11/26/97 09:20**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
110-86-1	Pyridine			not detected	5.00 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94 ug/L	20
62-53-3	Aniline			not detected	0.15 ug/L	
108-95-2	Phenol			not detected	0.47 ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48 ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18 ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23 ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16 ug/L	600
	2-Methylphenol			not detected	0.14 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61 ug/L	300
	4-Methylphenol			not detected	0.14 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36 ug/L	20
67-72-1	Hexachloroethane			not detected	0.33 ug/L	10
98-95-3	Nitrobenzene			not detected	0.46 ug/L	10
78-59-1	Isophorone			not detected	0.35 ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27 ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12 ug/L	20
65-85-0	Benzoic Acid			not detected	0.26 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25 ug/L	9
91-20-3	Naphthalene			not detected	0.25 ug/L	
106-47-8	4-Chloroaniline			not detected	0.19 ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38 ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18 ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50 ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42 ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31 ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32 ug/L	
88-74-4	2-Nitroaniline			not detected	0.21 ug/L	
131-11-3	Dimethylphthalate			not detected	0.18 ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31 ug/L	
99-09-2	3-Nitroaniline			not detected	0.26 ug/L	
83-32-9	Acenaphthene			not detected	0.26 ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69 ug/L	40

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate	20.27	250961	2.09 ug/L	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47 ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22 ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46 ug/L	60
218-01-9	Chrysene			not detected	0.20 ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	0.51 ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82 ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37 ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32 ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31 ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79 ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28 ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40 ug/L	

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

Data File Name	**bn0708.d**	Sample Name	**3151.04**
Operator	**Skelton**	Field ID	**MW21**
Date Acquired	**11/26/97 08:37**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
110-86-1	Pyridine			not detected	5.00 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94 ug/L	20
62-53-3	Aniline			not detected	0.15 ug/L	
108-95-2	Phenol			not detected	0.47 ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48 ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18 ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23 ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16 ug/L	600
	2-Methylphenol			not detected	0.14 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61 ug/L	300
	4-Methylphenol			not detected	0.14 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36 ug/L	20
67-72-1	Hexachloroethane			not detected	0.33 ug/L	10
98-95-3	Nitrobenzene			not detected	0.46 ug/L	10
78-59-1	Isophorone			not detected	0.35 ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27 ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12 ug/L	20
65-85-0	Benzoic Acid			not detected	0.26 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25 ug/L	9
91-20-3	Naphthalene			not detected	0.25 ug/L	
106-47-8	4-Chloroaniline			not detected	0.19 ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38 ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18 ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50 ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42 ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31 ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32 ug/L	
88-74-4	2-Nitroaniline			not detected	0.21 ug/L	
131-11-3	Dimethylphthalate			not detected	0.18 ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31 ug/L	
99-09-2	3-Nitroaniline			not detected	0.26 ug/L	
83-32-9	Acenaphthene			not detected	0.26 ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69 ug/L	40

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate	20.27	196325	1.46 ug/L	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47 ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22 ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46 ug/L	60
218-01-9	Chrysene			not detected	0.20 ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	0.51 ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82 ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37 ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32 ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31 ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79 ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28 ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40 ug/L	

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

Data File Name	**bn0710.d**	Sample Name	**3151.06**
Operator	**Skelton**	Field ID	**Field Dup**
Date Acquired	**11/26/97 10:05**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	GW Criteria
110-86-1	Pyridine			not detected	5.00 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	0.94 ug/L	20
62-53-3	Aniline			not detected	0.15 ug/L	
108-95-2	Phenol			not detected	0.47 ug/L	4000
111-44-4	bis(2-Chloroethyl)ether			not detected	0.48 ug/L	10
95-57-8	2-Chlorophenol			not detected	0.18 ug/L	40
541-73-1	1,3-Dichlorobenzene			not detected	0.15 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	0.23 ug/L	75
100-51-6	Benzyl alcohol			not detected	0.18 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	0.16 ug/L	600
	2-Methylphenol			not detected	0.14 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	0.61 ug/L	300
	4-Methylphenol			not detected	0.14 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	0.36 ug/L	20
67-72-1	Hexachloroethane			not detected	0.33 ug/L	10
98-95-3	Nitrobenzene			not detected	0.46 ug/L	10
78-59-1	Isophorone			not detected	0.35 ug/L	100
88-75-5	2-Nitrophenol			not detected	0.23 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	0.27 ug/L	100
111-91-1	bis(2-Chloroethoxy)methane			not detected	0.46 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	0.12 ug/L	20
65-85-0	Benzoic Acid			not detected	0.26 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	0.25 ug/L	9
91-20-3	Naphthalene			not detected	0.25 ug/L	
106-47-8	4-Chloroaniline			not detected	0.19 ug/L	
87-68-3	Hexachlorobutadiene			not detected	0.38 ug/L	1
59-50-7	4-Chloro-3-methylphenol			not detected	0.18 ug/L	
91-57-6	2-Methylnaphthalene			not detected	0.16 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	1.50 ug/L	50
88-06-2	2,4,6-Trichlorophenol			not detected	0.42 ug/L	20
	2,4,5-Trichlorophenol			not detected	0.31 ug/L	700
91-58-7	2-Chloronaphthalene			not detected	0.32 ug/L	
88-74-4	2-Nitroaniline			not detected	0.21 ug/L	
131-11-3	Dimethylphthalate			not detected	0.18 ug/L	7000
208-96-8	Acenaphthylene			not detected	0.19 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	0.31 ug/L	
99-09-2	3-Nitroaniline			not detected	0.26 ug/L	
83-32-9	Acenaphthene			not detected	0.26 ug/L	400
51-28-5	2,4-Dinitrophenol			not detected	0.69 ug/L	40

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate	20.27	219720	1.69 ug/L	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47 ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22 ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46 ug/L	60
218-01-9	Chrysene			not detected	0.20 ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	0.51 ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82 ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37 ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32 ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31 ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79 ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28 ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40 ug/L	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK03

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3151 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: SBLK03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0696.D

Level: (low/med) LOW Date Received: 11/07/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 11/26/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	5.04	28	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank

Lab Name: FMETL Lab Code 13461

Project Case No.: 3151 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3151.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0706.D

Level: (low/med) LOW Date Received: 11/07/97

% Moisture: decanted: (Y/N) N Date Analyzed: 11/26/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.03	28	JN
2. 000103-23-1	Hexanedioic acid, bis(2-ethylhex	24.07	21	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW19

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3151 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3151.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0707.D

Level: (low/med) LOW Date Received: 11/07/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 11/26/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	5.03	24	J
2. 000103-23-1	Hexanedioic acid, bis(2-ethylhex	24.10	150	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW20

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3151 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3151.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0709.D

Level: (low/med) LOW Date Received: 11/07/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 11/26/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.03	27	JN
2. 000103-23-1	Hexanedioic acid, bis(2-ethylhex	24.13	290	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW21

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3151 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3151.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0708.D

Level: (low/med) LOW Date Received: 11/07/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 11/26/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	5.04	30	J
2. 004337-65-9	Hexanedioic acid, mono(2-ethylh	24.12	240	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Dup

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3151 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3151.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0710.D

Level: (low/med) LOW Date Received: 11/07/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 11/26/97

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	5.04	35	J
2. 000103-23-1	Hexanedioic acid, bis(2-ethylhex	24.11	200	JN

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

Client :	U.S. Army	**Lab. ID # :**	Extraction Blank
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	11/10/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/4/97
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NLE	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NLE	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NLE	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	3151.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/7/97
	Bldg. 173	**Extraction Date:**	11/10/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/4/97

Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NLE	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NLE	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NLE	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	3151.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/7/97
	Bldg. 173	**Extraction Date:**	11/10/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/4/97

Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NLE	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NLE	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NLE	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	3151.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/7/97
	Bldg. 173	**Extraction Date:**	11/10/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/4/97
Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NLE	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NLE	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NLE	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	3151.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/7/97
	Bldg. 173	**Extraction Date:**	11/10/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/4/97

Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NLE	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NLE	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NLE	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	3151.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/7/97
	Bldg. 173	**Extraction Date:**	11/10/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/3/97

Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	Field DUP
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	ND
beta-BHC	1		0.20	0.0026	ND
gamma-BHC	1		0.20	0.0026	ND
delta-BHC	1		NLE	0.0029	ND
Heptachlor	1		0.40	0.0027	ND
Aldrin	1		0.04	0.0028	ND
Heptachlor Epoxide	1		0.20	0.0024	ND
Endosulfan I	1		0.40	0.0024	ND
4,4'-DDE	1		0.10	0.0034	ND
Dieldrin	1		0.03	0.0019	ND
Endrin	1		2.00	0.0030	ND
Endrin Ketone	1		NLE	0.0100	ND
Endosulfan II	1		0.40	0.0027	ND
4,4'-DDD	1		0.10	0.0066	ND
4,4'-DDT	1		0.10	0.0015	ND
Endosulfan-Sulfate	1		0.40	0.0010	ND
Methoxychlor	1		NLE	0.0100	ND
Alpha-chlordane	1		0.50	0.0140	ND
Gamma-chlordane	1		0.50	0.0140	ND
Toxaphene	1		3.00	0.0182	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

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

Lab ID #: Method Blank
Sample Received: NA
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: NA

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	01/28/98	ND	200	10.0
Antimony	01/28/98	ND	20	2.0
Arsenic	01/28/98	ND	8	2.0
Barium	01/28/98	ND	2000	0.5
Beryllium	01/28/98	ND	20	0.5
Cadmium	01/28/98	ND	4	0.5
Calcium	01/28/98	ND	NLE	10.0
Chromium	01/28/98	ND	100	0.5
Cobalt	01/28/98	ND	NLE	0.5
Copper	01/28/98	ND	1000	3.0
Iron	01/28/98	ND	300	5.0
Lead	01/28/98	ND	10	2.0
Magnesium	01/28/98	ND	NLE	10.0
Manganese	01/28/98	ND	50	0.5
Mercury	12/03/98	0.3	2	0.2
Nickel	01/28/98	ND	100	0.5
Potassium	01/28/98	ND	NLE	10.0
Selenium	01/28/98	ND	50	3.0
Silver	01/28/98	ND	20	3.0
Sodium	01/28/98	ND	50000	10.0
Thallium	01/28/98	ND	10	3.0
Vanadium	01/28/98	ND	NLE	1.0
Zinc	01/28/98	ND	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established,
NA = Not Applicable

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

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

Lab ID #: 3151.02
Sample Received: 11/07/97
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	01/28/98	77.0	200	20.0
Antimony	01/28/98	ND	20	4.0
Arsenic	01/28/98	ND	8	4.0
Barium	01/28/98	2.6	2000	1.0
Beryllium	01/28/98	ND	20	1.0
Cadmium	01/28/98	1.2	4	1.0
Calcium	01/28/98	1300.0	NLE	20.0
Chromium	01/28/98	ND	100	1.0
Cobalt	01/28/98	ND	NLE	1.0
Copper	01/28/98	9.0	1000	6.0
Iron	01/28/98	73.0	300	10.0
Lead	01/28/98	7.0	10	4.0
Magnesium	01/28/98	260.0	NLE	20.0
Manganese	01/28/98	4.0	50	1.0
Mercury	12/03/98	0.3	2	0.2
Nickel	01/28/98	2.1	100	1.0
Potassium	01/28/98	ND	NLE	20.0
Selenium	01/28/98	ND	50	6.0
Silver	01/28/98	ND	20	6.0
Sodium	01/28/98	1560.0	50000	20.0
Thallium	01/28/98	ND	10	6.0
Vanadium	01/28/98	ND	NLE	2.0
Zinc	01/28/98	61.0	5000	2.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

Lab ID #: 3151.03
Sample Received: 11/07/97
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	01/28/98	110.0	200	20.0
Antimony	01/28/98	ND	20	4.0
Arsenic	01/28/98	ND	8	4.0
Barium	01/28/98	17.4	2000	1.0
Beryllium	01/28/98	ND	20	1.0
Cadmium	01/28/98	ND	4	1.0
Calcium	01/28/98	18930.0	NLE	20.0
Chromium	01/28/98	1.1	100	1.0
Cobalt	01/28/98	ND	NLE	1.0
Copper	01/28/98	13.0	1000	6.0
Iron	01/28/98	11610.0	300	10.0
Lead	01/28/98	11.0	10	4.0
Magnesium	01/28/98	2320.0	NLE	20.0
Manganese	01/28/98	135.9	50	1.0
Mercury	12/03/98	0.3	2	0.2
Nickel	01/28/98	ND	100	1.0
Potassium	01/28/98	5660.0	NLE	20.0
Selenium	01/28/98	ND	50	6.0
Silver	01/28/98	ND	20	6.0
Sodium	01/28/98	6580.0	50000	20.0
Thallium	01/28/98	ND	10	6.0
Vanadium	01/28/98	ND	NLE	2.0
Zinc	01/28/98	67.0	5000	2.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

Lab ID #: 3151.05
Sample Received: 11/07/97
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	01/28/98	71.0	200	20.0
Antimony	01/28/98	ND	20	4.0
Arsenic	01/28/98	ND	8	4.0
Barium	01/28/98	14.0	2000	1.0
Beryllium	01/28/98	ND	20	1.0
Cadmium	01/28/98	ND	4	1.0
Calcium	01/28/98	34440.0	NLE	20.0
Chromium	01/28/98	1.3	100	1.0
Cobalt	01/28/98	ND	NLE	1.0
Copper	01/28/98	6.0	1000	6.0
Iron	01/28/98	2335.0	300	10.0
Lead	01/28/98	9.0	10	4.0
Magnesium	01/28/98	2420.0	NLE	20.0
Manganese	01/28/98	46.4	50	1.0
Mercury	12/03/98	0.3	2	0.2
Nickel	01/28/98	ND	100	1.0
Potassium	01/28/98	5080.0	NLE	20.0
Selenium	01/28/98	ND	50	6.0
Silver	01/28/98	ND	20	6.0
Sodium	01/28/98	5860.0	50000	20.0
Thallium	01/28/98	ND	10	6.0
Vanadium	01/28/98	ND	NLE	2.0
Zinc	01/28/98	45.0	5000	2.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

Lab ID #: 3151.04
Sample Received: 11/07/97
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	01/28/98	95.0	200	20.0
Antimony	01/28/98	ND	20	4.0
Arsenic	01/28/98	ND	8	4.0
Barium	01/28/98	23.6	2000	1.0
Beryllium	01/28/98	ND	20	1.0
Cadmium	01/28/98	ND	4	1.0
Calcium	01/28/98	34450.0	NLE	20.0
Chromium	01/28/98	ND	100	1.0
Cobalt	01/28/98	ND	NLE	1.0
Copper	01/28/98	12.0	1000	6.0
Iron	01/28/98	690.0	300	10.0
Lead	01/28/98	9.0	10	4.0
Magnesium	01/28/98	4140.0	NLE	20.0
Manganese	01/28/98	58.0	50	1.0
Mercury	12/03/98	0.3	2	0.2
Nickel	01/28/98	5.9	100	1.0
Potassium	01/28/98	6520.0	NLE	20.0
Selenium	01/28/98	ND	50	6.0
Silver	01/28/98	ND	20	6.0
Sodium	01/28/98	10300.0	50000	20.0
Thallium	01/28/98	ND	10	6.0
Vanadium	01/28/98	ND	NLE	2.0
Zinc	01/28/98	236.0	5000	2.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

Lab ID #: 3151.06
Sample Received: 11/07/97
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Field Dup.

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	01/28/98	81.0	200	20.0
Antimony	01/28/98	ND	20	4.0
Arsenic	01/28/98	ND	8	4.0
Barium	01/28/98	16.3	2000	1.0
Beryllium	01/28/98	ND	20	1.0
Cadmium	01/28/98	ND	4	1.0
Calcium	01/28/98	32560.0	NLE	20.0
Chromium	01/28/98	3.3	100	1.0
Cobalt	01/28/98	ND	NLE	1.0
Copper	01/28/98	10.0	1000	6.0
Iron	01/28/98	2191.0	300	10.0
Lead	01/28/98	13.0	10	4.0
Magnesium	01/28/98	2300.0	NLE	20.0
Manganese	01/28/98	45.2	50	1.0
Mercury	12/03/98	0.3	2	0.2
Nickel	01/28/98	14.6	100	1.0
Potassium	01/28/98	4800.0	NLE	20.0
Selenium	01/28/98	ND	50	6.0
Silver	01/28/98	ND	20	6.0
Sodium	01/28/98	6270.0	50000	20.0
Thallium	01/28/98	ND	10	6.0
Vanadium	01/28/98	ND	NLE	2.0
Zinc	01/28/98	57.0	5000	2.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
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-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3361.03	MW-19	29-32579	02/23/98
3361.04	MW-20	29-32580	02/23/98
3361.05	MW-21	29-32581	02/23/98

NJDEP Laboratory Certification # 13461

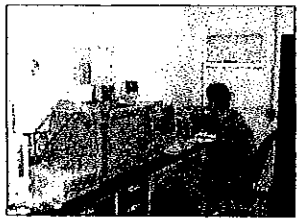
Report Date: 18 February, 1998

Daniel Wright
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 (908)532-4359 Fax (908)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: L Fallon
Phone #: x 26223
(Y)DERA ( )OMA ( )Other:
Project No:
Location: M-14
Samplers Name / Company : Rory Pegnetti / Dave Deinhammer / TUS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA 35	TAL metals	BNA 35	Pest/PCB					Remarks / Preservation Method
33611 01	TRIP Blank	2/23/98	0810	AQ	2	X								VOA's HCl - <2 pH
02	Field Blank		1050		5	X	X	X	X					Metals - HNO_3 <2 pH
03	MW19 #2932579		1135			X	X	X	X					All Samples <4 oC
04	MW10 #2932580		~~1150~~ 1205			X	X	X	X					
05	MW21 #2932581		1202			X	X	X	X					
06	Field Dup		—			X	X	X	X					

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	2/23/98 1345	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, ( )Standard, ( )Screen / non-certified
Turnaround time: ( )Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

print legibly

Custody.xls4/3/97

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE M-14
MW# 19
NJDEP ID# 2932579
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE 2/23/98 WEATHER OVERCAST 40'S

ELEVATION OF CASING SURVEY MARK 9.68
DTW 6.40
DEPTH OF WELL 17.50
HEIGHT OF WATER 11.1
11.1 X 0.65 X 3 = 21.645
GAL OF H2O TO BE EVACUATED 21.645 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) PERISTALIC
PURGE RATE 0.166 GPM
Hnu READING 0

PURGE START TIME 9:20
pH 7.40 TEMP 3.5 DEG °C
DISSOLVED O2 10.4 PPM SPECIFIC CONDUCTIVITY 70 us/cm

PURGE END TIME 11:31
pH 7.58 TEMP 9.2 DEG °C
DISSOLVED O2 3.5 PPM SPECIFIC CONDUCTIVITY 100 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 6.50 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 21.746 GAL

pH 7.55 TEMP 9.2 DEG °C
DISSOLVED O2 3.6 PPM SPECIFIC CONDUCTIVITY 100 us/cm

COMMENTS: _____

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE M-14
MW# 20
NJDEP ID# 2932580
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE 2/23/98 WEATHER OVERCAST 40'S

ELEVATION OF CASING SURVEY MARK 9.29
DTW 5.80
DEPTH OF WELL 16.90
HEIGHT OF WATER 11.1
11.1 X 0.65 X 3 = 21.645
GAL OF H2O TO BE EVACUATED 21.746 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) PERISTALIC
PURGE RATE 0.166 GPM
Hnu READING 0

PURGE START TIME 9:37
pH 7.82 TEMP 10.1 DEG °C
DISSOLVED O2 4.0 PPM SPECIFIC CONDUCTIVITY 80 us/cm

PURGE END TIME 12:35
pH 6.80 TEMP 9.5 DEG °C
DISSOLVED O2 1.7 PPM SPECIFIC CONDUCTIVITY 120 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 7.45 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 21.746 GAL

pH 6.78 TEMP 9.5 DEG °C
DISSOLVED O2 1.6 PPM SPECIFIC CONDUCTIVITY 120 us/cm

COMMENTS: _____

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE M-14
MW# 21
NJDEP ID# 2932581
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE 2/23/98 WEATHER OVERCAST 40'S

ELEVATION OF CASING SURVEY MARK 9.57
DTW 6.10
DEPTH OF WELL 16.90
HEIGHT OF WATER 10.8
10.8 X 0.65 X 3 = 21.06
GAL OF H2O TO BE EVACUATED 21.06 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) PERISTALIC
PURGE RATE 0.12 GPM
Hnu READING 0

PURGE START TIME 9:05
pH 8.26 TEMP 8.8 DEG °C
DISSOLVED O2 8.7 PPM SPECIFIC CONDUCTIVITY 100 us/cm

PURGE END TIME 12:01
pH 7.18 TEMP 8.7 DEG °C
DISSOLVED O2 4.3 PPM SPECIFIC CONDUCTIVITY 120 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 8.45 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 21.12 GAL

pH 7.19 TEMP 8.7 DEG °C
DISSOLVED O2 4.2 PPM SPECIFIC CONDUCTIVITY 120 us/cm

COMMENTS: _____

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

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

Data File Name	**v03037.d**	Sample Name	**VBLK27**
Operator	**Skelton**	Field ID	**VBLK27**
Date Acquired	**2 Mar 1998 9:35**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
107028	Acrolein			not detected	nle	6.25 ug/L	
107131	Acrylonitrile			not detected	nle	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	30	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.61 ug/L	
74-83-9	Bromomethane			not detected	10	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.74 ug/L	
67-64-1	Acetone			not detected	700	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	300	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.65 ug/L	
67-66-3	Chloroform			not detected	6	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.20 ug/L	
71-43-2	Benzene			not detected	1	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.33 ug/L	
108-88-3	Toluene			not detected	1000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	100	1.57 ug/L	
75-25-2	Bromoform			not detected	4	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	74	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 ug/L	

Qualifiers

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

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

Data File Name	**v03038.d**	Sample Name	**3361.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**2 Mar 1998 10:36**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
107028	Acrolein			not detected	nle	6.25 ug/L	
107131	Acrylonitrile			not detected	nle	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	30	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.61 ug/L	
74-83-9	Bromomethane			not detected	10	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.74 ug/L	
67-64-1	Acetone			not detected	700	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	300	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.65 ug/L	
67-66-3	Chloroform			not detected	6	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.20 ug/L	
71-43-2	Benzene			not detected	1	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.33 ug/L	
108-88-3	Toluene			not detected	1000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	100	1.57 ug/L	
75-25-2	Bromoform			not detected	4	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	74	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 ug/L	

Qualifiers

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

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

Data File Name	**v03039.d**	Sample Name	**3361.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**2 Mar 1998 11:22**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
107028	Acrolein			not detected	nle	6.25 ug/L	
107131	Acrylonitrile			not detected	nle	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	30	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.61 ug/L	
74-83-9	Bromomethane			not detected	10	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.74 ug/L	
67-64-1	Acetone			not detected	700	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	300	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.65 ug/L	
67-66-3	Chloroform			not detected	6	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.20 ug/L	
71-43-2	Benzene			not detected	1	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.33 ug/L	
108-88-3	Toluene			not detected	1000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	100	1.57 ug/L	
75-25-2	Bromoform			not detected	4	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	74	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 ug/L	

Qualifiers

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

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

Data File Name	**v03040.d**	Sample Name	**3361.03**
Operator	**Skelton**	Field ID	**MW19**
Date Acquired	**2 Mar 1998 12:08**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
107028	Acrolein			not detected	nle	6.25 ug/L	
107131	Acrylonitrile			not detected	nle	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	30	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.61 ug/L	
74-83-9	Bromomethane			not detected	10	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.74 ug/L	
67-64-1	Acetone			not detected	700	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	300	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.65 ug/L	
67-66-3	Chloroform			not detected	6	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.20 ug/L	
71-43-2	Benzene			not detected	1	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.33 ug/L	
108-88-3	Toluene			not detected	1000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	100	1.57 ug/L	
75-25-2	Bromoform			not detected	4	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	74	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 ug/L	

Qualifiers

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

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

Data File Name	**v03041.d**	Sample Name	**3361.04**
Operator	**Skelton**	Field ID	**MW20**
Date Acquired	**2 Mar 1998 12:55**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
107028	Acrolein			not detected	nle	6.25 ug/L	
107131	Acrylonitrile			not detected	nle	6.25 ug/L	
75650	tert-Butyl alcohol	11.94	35060	101.37 ug/L	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether	14.01	32455	6.54 ug/L	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	30	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.61 ug/L	
74-83-9	Bromomethane			not detected	10	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.74 ug/L	
67-64-1	Acetone			not detected	700	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	300	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.65 ug/L	
67-66-3	Chloroform			not detected	6	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.20 ug/L	
71-43-2	Benzene			not detected	1	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.33 ug/L	
108-88-3	Toluene			not detected	1000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	100	1.57 ug/L	
75-25-2	Bromoform			not detected	4	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	74	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 ug/L	

Qualifiers

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

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

Data File Name	**v03042.d**	Sample Name	**3361.05**
Operator	**Skelton**	Field ID	**MW21**
Date Acquired	**2 Mar 1998 13:42**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
107028	Acrolein			not detected	nle	6.25 ug/L	
107131	Acrylonitrile			not detected	nle	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	30	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.61 ug/L	
74-83-9	Bromomethane			not detected	10	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.74 ug/L	
67-64-1	Acetone			not detected	700	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	300	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.65 ug/L	
67-66-3	Chloroform			not detected	6	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.20 ug/L	
71-43-2	Benzene			not detected	1	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.33 ug/L	
108-88-3	Toluene			not detected	1000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	100	1.57 ug/L	
75-25-2	Bromoform			not detected	4	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	74	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 ug/L	

Qualifiers

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

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

Data File Name	**v03043.d**	Sample Name	**3361.06**
Operator	**Skelton**	Field ID	**Field Dup**
Date Acquired	**2 Mar 1998 14:28**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
107028	Acrolein			not detected	nle	6.25 ug/L	
107131	Acrylonitrile			not detected	nle	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	30	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.61 ug/L	
74-83-9	Bromomethane			not detected	10	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.74 ug/L	
67-64-1	Acetone			not detected	700	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	300	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.65 ug/L	
67-66-3	Chloroform			not detected	6	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.20 ug/L	
71-43-2	Benzene			not detected	1	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.33 ug/L	
108-88-3	Toluene			not detected	1000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	100	1.57 ug/L	
75-25-2	Bromoform			not detected	4	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	74	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 ug/L	

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **VBLK27**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3361 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: VBLK27

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03037.D

Level: (low/med) LOW Date Received: 02/23/98

% Moisture: not dec. Date Analyzed: 03/02/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3361 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3361.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03038.D

Level: (low/med) LOW Date Received: 02/23/98

% Moisture: not dec. Date Analyzed: 03/02/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3361 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3361.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03039.D

Level: (low/med) LOW Date Received: 02/23/98

% Moisture: not dec. Date Analyzed: 03/02/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW19**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3361 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3361.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03040.D

Level: (low/med) LOW Date Received: 02/23/98

% Moisture: not dec. Date Analyzed: 03/02/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW20**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3361 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3361.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03041.D

Level: (low/med) LOW Date Received: 02/23/98

% Moisture: not dec. Date Analyzed: 03/02/98

GC Column: RTX-502 ID: 0.25 (mm) 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	RT	EST. CONC.	Q
1.	unknown hydrocarbon	13.84	8	J
2.	unknown	18.90	20	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW21**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3361 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3361.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03042.D

Level: (low/med) LOW Date Received: 02/23/98

% Moisture: not dec. Date Analyzed: 03/02/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Dup

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3361 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3361.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03043.D

Level: (low/med) LOW Date Received: 02/23/98

% Moisture: not dec. Date Analyzed: 03/02/98

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

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

Data File Name	**BN1037.D**	Sample Name	**SBLK 28**
Operator	**FITZPATRICK**	Misc Info	**SBLK 28 2-24-98**
Date Acquired	**02/25/98 10:08**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN1037.D**	Sample Name	**SBLK 28**
Operator	**FITZPATRICK**	Misc Info	**SBLK 28 2-24-98**
Date Acquired	**02/25/98 10:08**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate	20.17	202585	2.17 ug/L	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0:32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	**BN1046.D**	Sample Name	**3361.02**
Operator	**FITZPATRICK**	Misc Info	**FIELD BLANK**
Date Acquired	**02/25/98 17:35**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN1046.D**	Sample Name	**3361.02**
Operator	**FITZPATRICK**	Misc Info	**FIELD BLANK**
Date Acquired	**02/25/98 17:35**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate	20.18	269527	2.85 ug/L	900	0.23	ug/L	B
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	25.17	85246	1.57 ug/L	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	**BN1047.D**	Sample Name	**3361.03**
Operator	**FITZPATRICK**	Misc Info	**MW 19**
Date Acquired	**02/25/98 18:24**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN1047.D**	Sample Name	**3361.03**
Operator	**FITZPATRICK**	Misc Info	**MW 19**
Date Acquired	**02/25/98 18:24**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate	20.18	692849	7.20 ug/L	900	0.23	ug/L	B
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	**BN1048.D**	Sample Name	**3361.04**
Operator	**FITZPATRICK**	Misc Info	**MW 20**
Date Acquired	**02/25/98 19:13**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN1048.D**	Sample Name	**3361.04**
Operator	**FITZPATRICK**	Misc Info	**MW 20**
Date Acquired	**02/25/98 19:13**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate	20.18	1123370	12.53 ug/L	900	0.23	ug/L	B
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	**BN1049.D**	Sample Name	**3361.05**
Operator	**FITZPATRICK**	Misc Info	**MW 21**
Date Acquired	**02/25/98 20:02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN1049.D**	Sample Name	**3361.05**
Operator	**FITZPATRICK**	Misc Info	**MW 21**
Date Acquired	**02/25/98 20:02**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceeded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	**BN1050.D**	Sample Name	**3361.06**
Operator	**FITZPATRICK**	Misc Info	**FIELD DUP**
Date Acquired	**02/25/98 20:50**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN1050.D**	Sample Name	**3361.06**
Operator	**FITZPATRICK**	Misc Info	**FIELD DUP**
Date Acquired	**02/25/98 20:50**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate	20.18	688142	6.95 ug/L	900	0.23	ug/L	B
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceeded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK 28

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3361 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: SBLK 28

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1037.D

Level: (low/med) LOW Date Received: 02/23/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 02/25/98

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 004254-15-3	(S)-(+)-1,2-Propanediol	3.21	23	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.97	44	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD BLANK

Lab Name: FMETL Lab Code 13461

Project Case No.: 3361 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3361.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1046.D

Level: (low/med) LOW Date Received: 02/23/98

% Moisture: decanted: (Y/N) N Date Analyzed: 02/25/98

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-55-6	Propylene Glycol	3.17	16	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.95	36	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-19

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3361 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3361.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1047.D

Level: (low/med) LOW Date Received: 02/23/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 02/25/98

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-55-6	Propylene Glycol	3.17	17	JN
2.	unknown	4.96	40	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-20

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3361 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3361.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1048.D

Level: (low/med) LOW Date Received: 02/23/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 02/25/98

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-55-6	Propylene Glycol	3.19	28	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.96	39	JN
3.	unknown	16.33	8	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-21

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3361 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3361.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1049.D

Level: (low/med) LOW Date Received: 02/23/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 02/25/98

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-55-6	Propylene Glycol	3.23	25	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.97	38	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD DUP

Lab Name: FMETL Lab Code 13461

Project Case No.: 3361 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3361.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1050.D

Level: (low/med) LOW Date Received: 02/23/98

% Moisture: decanted: (Y/N) N Date Analyzed: 02/25/98

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1.0 (uL) Soil Aliquot Volume: 1 (uL)

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-55-6	Propylene Glycol	3.22	24	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.97	47	JN

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

Client :	U.S. Army	**Lab. ID # :**	Extraction Blank
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	2/24/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/18/98
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	**ND**
beta-BHC	1		0.20	0.0026	**ND**
gamma-BHC	1		0.20	0.0026	**ND**
delta-BHC	1		NLE	0.0029	**ND**
Heptachlor	1		0.40	0.0027	**ND**
Aldrin	1		0.04	0.0028	**ND**
Heptachlor Epoxide	1		0.20	0.0024	**ND**
Endosulfan I	1		0.40	0.0024	**ND**
4,4'-DDE	1		0.10	0.0034	**ND**
Dieldrin	1		0.03	0.0019	**ND**
Endrin	1		2.00	0.0030	**ND**
Endrin Ketone	1		NLE	0.0100	**ND**
Endosulfan II	1		0.40	0.0027	**ND**
4,4'-DDD	1		0.10	0.0066	**ND**
4,4'-DDT	1		0.10	0.0015	**ND**
Endosulfan-Sulfate	1		0.40	0.0010	**ND**
Methoxychlor	1		NLE	0.0100	**ND**
Alpha-chlordane	1		0.50	0.0140	**ND**
Gamma-chlordane	1		0.50	0.0140	**ND**
Toxaphene	1		3.00	0.0182	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	3361.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/23/98
	Bldg. 173	**Extraction Date:**	2/24/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/18/98

Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	**ND**
beta-BHC	1		0.20	0.0026	**ND**
gamma-BHC	1		0.20	0.0026	**ND**
delta-BHC	1		NLE	0.0029	**ND**
Heptachlor	1		0.40	0.0027	**ND**
Aldrin	1		0.04	0.0028	**ND**
Heptachlor Epoxide	1		0.20	0.0024	**ND**
Endosulfan I	1		0.40	0.0024	**ND**
4,4'-DDE	1		0.10	0.0034	**ND**
Dieldrin	1		0.03	0.0019	**ND**
Endrin	1		2.00	0.0030	**ND**
Endrin Ketone	1		NLE	0.0100	**ND**
Endosulfan II	1		0.40	0.0027	**ND**
4,4'-DDD	1		0.10	0.0066	**ND**
4,4'-DDT	1		0.10	0.0015	**ND**
Endosulfan-Sulfate	1		0.40	0.0010	**ND**
Methoxychlor	1		NLE	0.0100	**ND**
Alpha-chlordane	1		0.50	0.0140	**ND**
Gamma-chlordane	1		0.50	0.0140	**ND**
Toxaphene	1		3.00	0.0182	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	3361.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/23/98
	Bldg. 173	**Extraction Date:**	2/24/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/18/98

Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	**ND**
beta-BHC	1		0.20	0.0026	**ND**
gamma-BHC	1		0.20	0.0026	**ND**
delta-BHC	1		NLE	0.0029	**ND**
Heptachlor	1		0.40	0.0027	**ND**
Aldrin	1		0.04	0.0028	**ND**
Heptachlor Epoxide	1		0.20	0.0024	**ND**
Endosulfan I	1		0.40	0.0024	**ND**
4,4'-DDE	1		0.10	0.0034	**ND**
Dieldrin	1		0.03	0.0019	**ND**
Endrin	1		2.00	0.0030	**ND**
Endrin Ketone	1		NLE	0.0100	**ND**
Endosulfan II	1		0.40	0.0027	**ND**
4,4'-DDD	1		0.10	0.0066	**ND**
4,4'-DDT	1		0.10	0.0015	**ND**
Endosulfan-Sulfate	1		0.40	0.0010	**ND**
Methoxychlor	1		NLE	0.0100	**ND**
Alpha-chlordane	1		0.50	0.0140	**ND**
Gamma-chlordane	1		0.50	0.0140	**ND**
Toxaphene	1		3.00	0.0182	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	3361.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/23/98
	Bldg. 173	**Extraction Date:**	2/24/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/18/98

Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	**ND**
beta-BHC	1		0.20	0.0026	**ND**
gamma-BHC	1		0.20	0.0026	**ND**
delta-BHC	1		NLE	0.0029	**ND**
Heptachlor	1		0.40	0.0027	**ND**
Aldrin	1		0.04	0.0028	**ND**
Heptachlor Epoxide	1		0.20	0.0024	**ND**
Endosulfan I	1		0.40	0.0024	**ND**
4,4'-DDE	1		0.10	0.0034	**ND**
Dieldrin	1		0.03	0.0019	**ND**
Endrin	1		2.00	0.0030	**ND**
Endrin Ketone	1		NLE	0.0100	**ND**
Endosulfan II	1		0.40	0.0027	**ND**
4,4'-DDD	1		0.10	0.0066	**ND**
4,4'-DDT	1		0.10	0.0015	**ND**
Endosulfan-Sulfate	1		0.40	0.0010	**ND**
Methoxychlor	1		NLE	0.0100	**ND**
Alpha-chlordane	1		0.50	0.0140	**ND**
Gamma-chlordane	1		0.50	0.0140	**ND**
Toxaphene	1		3.00	0.0182	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	3361.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/23/98
	Bldg. 173	**Extraction Date:**	2/24/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/18/98
Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	**ND**
beta-BHC	1		0.20	0.0026	**ND**
gamma-BHC	1		0.20	0.0026	**ND**
delta-BHC	1		NLE	0.0029	**ND**
Heptachlor	1		0.40	0.0027	**ND**
Aldrin	1		0.04	0.0028	**ND**
Heptachlor Epoxide	1		0.20	0.0024	**ND**
Endosulfan I	1		0.40	0.0024	**ND**
4,4'-DDE	1		0.10	0.0034	**ND**
Dieldrin	1		0.03	0.0019	**ND**
Endrin	1		2.00	0.0030	**ND**
Endrin Ketone	1		NLE	0.0100	**ND**
Endosulfan II	1		0.40	0.0027	**ND**
4,4'-DDD	1		0.10	0.0066	**ND**
4,4'-DDT	1		0.10	0.0015	**ND**
Endosulfan-Sulfate	1		0.40	0.0010	**ND**
Methoxychlor	1		NLE	0.0100	**ND**
Alpha-chlordane	1		0.50	0.0140	**ND**
Gamma-chlordane	1		0.50	0.0140	**ND**
Toxaphene	1		3.00	0.0182	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	3361.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/23/98
	Bldg. 173	**Extraction Date:**	2/24/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/18/98

Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	Field DUP
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0023	**ND**
beta-BHC	1		0.20	0.0026	**ND**
gamma-BHC	1		0.20	0.0026	**ND**
delta-BHC	1		NLE	0.0029	**ND**
Heptachlor	1		0.40	0.0027	**ND**
Aldrin	1		0.04	0.0028	**ND**
Heptachlor Epoxide	1		0.20	0.0024	**ND**
Endosulfan I	1		0.40	0.0024	**ND**
4,4'-DDE	1		0.10	0.0034	**ND**
Dieldrin	1		0.03	0.0019	**ND**
Endrin	1		2.00	0.0030	**ND**
Endrin Ketone	1		NLE	0.0100	**ND**
Endosulfan II	1		0.40	0.0027	**ND**
4,4'-DDD	1		0.10	0.0066	**ND**
4,4'-DDT	1		0.10	0.0015	**ND**
Endosulfan-Sulfate	1		0.40	0.0010	**ND**
Methoxychlor	1		NLE	0.0100	**ND**
Alpha-chlordane	1		0.50	0.0140	**ND**
Gamma-chlordane	1		0.50	0.0140	**ND**
Toxaphene	1		3.00	0.0182	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-5 30m/.32mmID/.25um
Column-Confirmation: Rtx-1701 30m/.32mmID/.25um

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

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

Lab ID #: Method Blank
Sample Received: 02/23/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: NA

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	03/17/98	ND	200	20.0
Antimony	03/17/98	ND	20	4.0
Arsenic	03/17/98	ND	8	4.0
Barium	03/17/98	ND	2000	1.0
Beryllium	03/17/98	ND	20	1.0
Cadmium	03/17/98	ND	4	1.0
Calcium	03/17/98	ND	NLE	20.0
Chromium	03/17/98	ND	100	1.0
Cobalt	03/17/98	ND	NLE	1.0
Copper	03/17/98	ND	1000	6.0
Iron	03/17/98	ND	300	10.0
Lead	03/17/98	ND	10	4.0
Magnesium	03/17/98	ND	NLE	20.0
Manganese	03/17/98	ND	50	1.0
Mercury	03/03/98	ND	2	0.2
Nickel	03/17/98	ND	100	1.0
Potassium	03/17/98	ND	NLE	20.0
Selenium	03/17/98	ND	50	6.0
Silver	03/17/98	ND	20	6.0
Sodium	03/17/98	ND	50000	20.0
Thallium	03/17/98	ND	10	6.0
Vanadium	03/17/98	ND	NLE	2.0
Zinc	03/17/98	ND	5000	2.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

Lab ID #: 3361.02
Sample Received: 02/23/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	03/17/98	122	200	20.0
Antimony	03/17/98	ND	20	4.0
Arsenic	03/17/98	ND	8	4.0
Barium	03/17/98	3.8	2000	1.0
Beryllium	03/17/98	ND	20	1.0
Cadmium	03/17/98	ND	4	1.0
Calcium	03/17/98	670	NLE	20.0
Chromium	03/17/98	ND	100	1.0
Cobalt	03/17/98	ND	NLE	1.0
Copper	03/17/98	11	1000	6.0
Iron	03/17/98	210	300	10.0
Lead	03/17/98	ND	10	4.0
Magnesium	03/17/98	150	NLE	20.0
Manganese	03/17/98	11.1	50	1.0
Mercury	03/03/98	ND	2	0.2
Nickel	03/17/98	2.8	100	1.0
Potassium	03/17/98	ND	NLE	20.0
Selenium	03/17/98	ND	50	6.0
Silver	03/17/98	ND	20	6.0
Sodium	03/17/98	760	50000	20.0
Thallium	03/17/98	ND	10	6.0
Vanadium	03/17/98	ND	NLE	2.0
Zinc	03/17/98	ND	5000	2.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

Lab ID #: 3361.03
Sample Received: 02/23/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	03/17/98	76	200	20.0
Antimony	03/17/98	ND	20	4.0
Arsenic	03/17/98	ND	8	4.0
Barium	03/17/98	46.2	2000	1.0
Beryllium	03/17/98	ND	20	1.0
Cadmium	03/17/98	ND	4	1.0
Calcium	03/17/98	20450	NLE	20.0
Chromium	03/17/98	ND	100	1.0
Cobalt	03/17/98	ND	NLE	1.0
Copper	03/17/98	10.0	1000	6.0
Iron	03/17/98	50590	300	10.0
Lead	03/17/98	ND	10	4.0
Magnesium	03/17/98	2420	NLE	20.0
Manganese	03/17/98	118.7	50	1.0
Mercury	03/03/98	ND	2	0.2
Nickel	03/17/98	1.2	100	1.0
Potassium	03/17/98	6400	NLE	20.0
Selenium	03/17/98	ND	50	6.0
Silver	03/17/98	ND	20	6.0
Sodium	03/17/98	5940	50000	20.0
Thallium	03/17/98	ND	10	6.0
Vanadium	03/17/98	ND	NLE	2.0
Zinc	03/17/98	21	5000	2.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

Lab ID #: 3361.04
Sample Received: 02/23/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	03/17/98	286	200	20.0
Antimony	03/17/98	ND	20	4.0
Arsenic	03/17/98	ND	8	4.0
Barium	03/17/98	60.4	2000	1.0
Beryllium	03/17/98	ND	20	1.0
Cadmium	03/17/98	ND	4	1.0
Calcium	03/17/98	104400	NLE	20.0
Chromium	03/17/98	1.4	100	1.0
Cobalt	03/17/98	3.5	NLE	1.0
Copper	03/17/98	12	1000	6.0
Iron	03/17/98	12550	300	10.0
Lead	03/17/98	ND	10	4.0
Magnesium	03/17/98	8500	NLE	20.0
Manganese	03/17/98	677.2	50	1.0
Mercury	03/03/98	ND	2	0.2
Nickel	03/17/98	24	100	1.0
Potassium	03/17/98	9500	NLE	20.0
Selenium	03/17/98	ND	50	6.0
Silver	03/17/98	ND	20	6.0
Sodium	03/17/98	14860	50000	20.0
Thallium	03/17/98	ND	10	6.0
Vanadium	03/17/98	ND	NLE	2.0
Zinc	03/17/98	108	5000	2.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

Lab ID #: 3361.05
Sample Received: 02/23/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	03/17/98	93	200	20.0
Antimony	03/17/98	ND	20	4.0
Arsenic	03/17/98	ND	8	4.0
Barium	03/17/98	97.1	2000	1.0
Beryllium	03/17/98	ND	20	1.0
Cadmium	03/17/98	ND	4	1.0
Calcium	03/17/98	48840	NLE	20.0
Chromium	03/17/98	ND	100	1.0
Cobalt	03/17/98	ND	NLE	1.0
Copper	03/17/98	11	1000	6.0
Iron	03/17/98	5440	300	10.0
Lead	03/17/98	ND	10	4.0
Magnesium	03/17/98	6670	NLE	20.0
Manganese	03/17/98	85.4	50	1.0
Mercury	03/03/98	0.2	2	0.2
Nickel	03/17/98	3.8	100	1.0
Potassium	03/17/98	9230	NLE	20.0
Selenium	03/17/98	ND	50	6.0
Silver	03/17/98	ND	20	6.0
Sodium	03/17/98	25370	50000	20.0
Thallium	03/17/98	ND	10	6.0
Vanadium	03/17/98	ND	NLE	2.0
Zinc	03/17/98	20	5000	2.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

Lab ID #: 3361.06
Sample Received: 02/23/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Field Dup

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	03/17/98	226	200	20.0
Antimony	03/17/98	ND	20	4.0
Arsenic	03/17/98	ND	8	4.0
Barium	03/17/98	64.6	2000	1.0
Beryllium	03/17/98	ND	20	1.0
Cadmium	03/17/98	1.4	4	1.0
Calcium	03/17/98	22410	NLE	20.0
Chromium	03/17/98	ND	100	1.0
Cobalt	03/17/98	ND	NLE	1.0
Copper	03/17/98	11	1000	6.0
Iron	03/17/98	81210	300	10.0
Lead	03/17/98	ND	10	4.0
Magnesium	03/17/98	2540	NLE	20.0
Manganese	03/17/98	137.9	50	1.0
Mercury	03/03/98	ND	2	0.2
Nickel	03/17/98	4.6	100	1.0
Potassium	03/17/98	6550	NLE	20.0
Selenium	03/17/98	ND	50	6.0
Silver	03/17/98	ND	20	6.0
Sodium	03/17/98	5680	50000	20.0
Thallium	03/17/98	ND	10	6.0
Vanadium	03/17/98	ND	NLE	2.0
Zinc	03/17/98	68	5000	2.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
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-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3555.01	MW-19	29-32579	05/07/98
3555.02	MW-20	29-32580	05/07/98
3555.03	MW-21	29-32581	05/07/98

NJDEP Laboratory Certification # 13461

Report Date: 31 July, 1998

7/20/98
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)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallow
Phone #: X26223
(x)DERA ( )OMA ( )Other:_____

Project No:
Location: M-14 (900)

Samplers Name / Company: CBM/DO

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA's	TAL Metals	Pest / PCB	BNA + 25				HNO3 Reads	Remarks / Preservation Method
3555. 01	MW - 19	5/7/98	1344	Aq	5	✓	✓	✓	✓				✓	0.0 ppm (2932579)
02	MW - 20	"	1501	"	5	✓	✓	✓	✓				✓	0.0 ppm (2932580)
03	MW - 21	"	1429	"	5	✓	✓	✓	✓				✓	0.0 ppm (2932581)
														4°C VO w/HCL Metals w/ HNO3

Analysis Parameters

Comments:

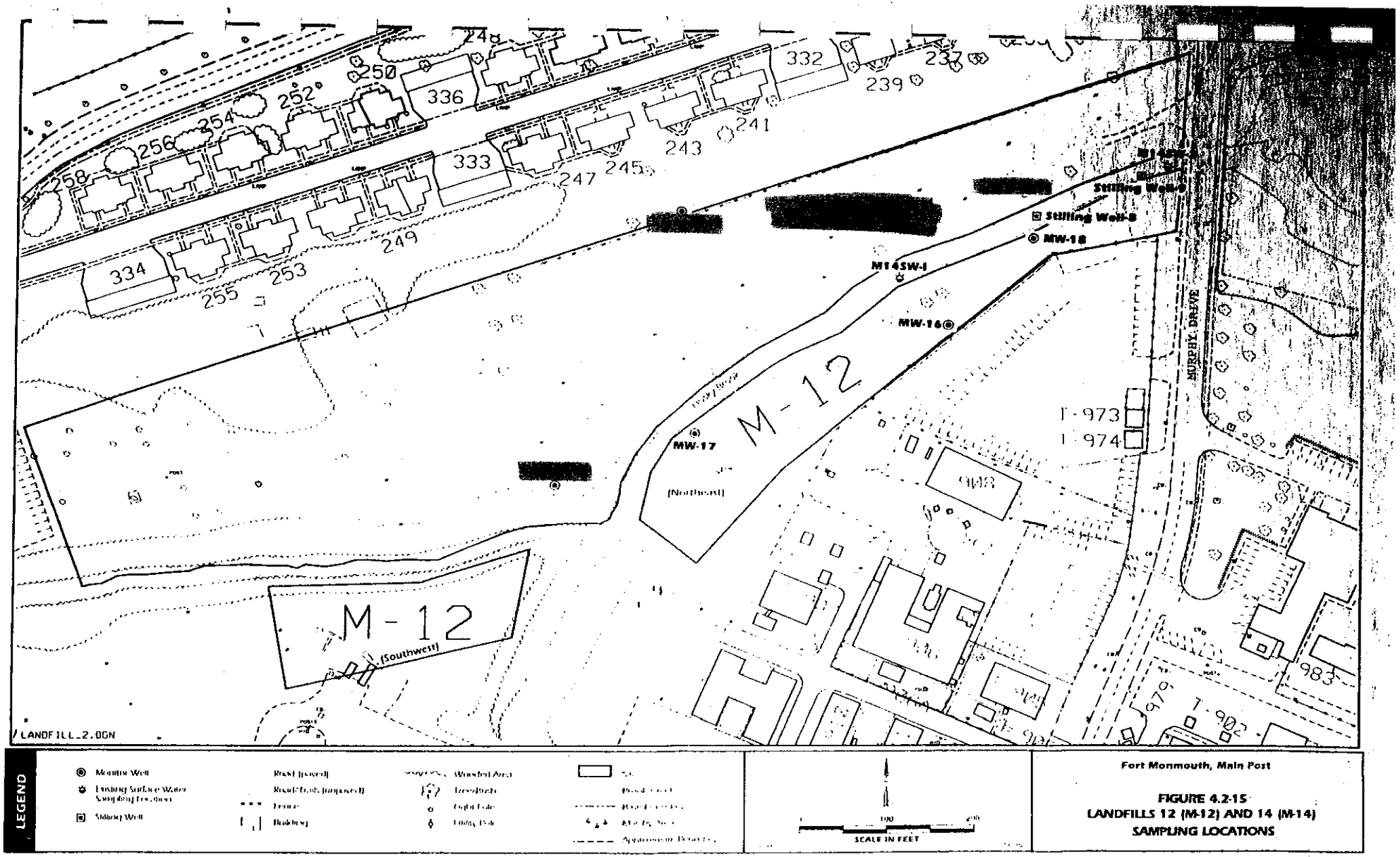
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Coy McCormack	5/7/98 1530				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (_)Standard, (_)Screen / non-certified
Turnaround time: (_)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

print legibly

Custody.xls4/14/98


M-12
(Southwest)
M-12
(Northeast)
MW-17
MW-16
M14SW-1
MW-18
Stilling Well-8
MURPHY DRIVE
I-973
I-974
I-902
250
252
254
256
258
336
333
334
332
239
237
243
241
247
245
249
255
253
983
970
LANDFILL_2.DGN
LEGEND
Monitor Well
Existing Surface Water Sampling Location
Stilling Well
Road (paved)
Road (Dirt, Improved)
Fence
Building
Wooded Area
Treeline
Depth Data
Utility Pole
SCALE IN FEET
Fort Monmouth, Main Post
FIGURE 4.2-15
LANDFILLS 12 (M-12) AND 14 (M-14)
SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE: M-14
MW# 19
NJDEP ID# 2932579
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER: Corey McCormack

DATE: 5/7/98 WEATHER: Partly Cloudy

ELEVATION OF CASING SURVEY MARK
DTW: 6.51 ft
DEPTH OF WELL: 17.50 ft
HEIGHT OF WATER: 11.00 ft
11.00 X 0.65 X 3 = 21.45
GAL OF H2O TO BE EVACUATED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) : Peristalic
PURGE RATE: 0.13 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 1104
pH: 7.24 su TEMP: 13.1 °C
DISSOLVED O2: 2.5 ppm SPECIFIC CONDUCTIVITY: 80 us/cm

PURGE END TIME: 1344
pH: 6.69 su TEMP: 13.9 °C
DISSOLVED O2: 1.7 ppm SPECIFIC CONDUCTIVITY: 80 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING: 6.55 ft
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 22 gal

pH: 7.18 su TEMP: 13.1 °C
DISSOLVED O2: 2.5 ppm SPECIFIC CONDUCTIVITY: 80 us/cm

COMMENTS:_____
_____
_____

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE: M-14
MW# 20
NJDEP ID# 2932580
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER: Corey McCormack

DATE: 5/7/98 WEATHER: Partly Cloudy

ELEVATION OF CASING SURVEY MARK
DTW: 5.85 ft
DEPTH OF WELL: 16.90 ft
HEIGHT OF WATER: 11.05 ft
11.05 X 0.65 X 3 = 21.54
GAL OF H2O TO BE EVACUATED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) : Peristalic
PURGE RATE: 0.14 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 1221
pH: 7.78 su TEMP: 13.3 °C
DISSOLVED O2: 2.0 ppm SPECIFIC CONDUCTIVITY: 70 us/cm

PURGE END TIME: 1501

pH: 6.74 su TEMP: 13.8 °C
DISSOLVED O2: 1.2 ppm SPECIFIC CONDUCTIVITY: 80 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING: 7.44 ft
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 22 gal

pH: 7.56 su TEMP: 13.5 °C
DISSOLVED O2: 2.2 ppm SPECIFIC CONDUCTIVITY: 80 us/cm

COMMENTS:_____
_____

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE: M-14
MW# 21
NJDEP ID# 2932581
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER: Corey McCormack

DATE: 5/7/98 WEATHER: Partly cloudy

ELEVATION OF CASING SURVEY MARK
DTW: 6.22 ft
DEPTH OF WELL: 16.90 ft
HEIGHT OF WATER: 10.68 ft
10.68 X 0.65 X 3 = 20.82
GAL OF H2O TO BE EVACUATED: 21 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) : Peristalic
PURGE RATE: 0.09 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 0940
pH: 7.24 su TEMP: 13.9 °C
DISSOLVED O2: 1.7 ppm SPECIFIC CONDUCTIVITY: 70 us/cm

PURGE END TIME: 1429
pH: 7.15 su TEMP: 15.0 °C
DISSOLVED O2: 1.6 PPM SPECIFIC CONDUCTIVITY: 100 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING: 8.24 ft
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 21 gal

pH: 7.19 su TEMP: 13.4 °C
DISSOLVED O2: 1.9 ppm SPECIFIC CONDUCTIVITY: 80 us/cm

COMMENTS:_____
_____
_____

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

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

Data File Nam	**vb01375.d**	Sample Name	**VBLK09**
Operator	**Skelton**	Field ID	**VBLK09**
Date Acquired	**18 May 1998 1:06 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
107028	Acrolein			not detected	nle	6.25 ug/L	
107131	Acrylonitrile			not detected	nle	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	30	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.61 ug/L	
74-83-9	Bromomethane			not detected	10	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.74 ug/L	
67-64-1	Acetone			not detected	700	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	300	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.65 ug/L	
67-66-3	Chloroform			not detected	6	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.20 ug/L	
71-43-2	Benzene			not detected	1	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.33 ug/L	
108-88-3	Toluene			not detected	1000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	100	1.57 ug/L	
75-25-2	Bromoform			not detected	4	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	74	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 ug/L	

Qualifiers

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

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

Data File Nam	**vb01376.d**	Sample Name	**3553.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**18 May 1998 2:02 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
107028	Acrolein			not detected	nle	6.25 ug/L	
107131	Acrylonitrile			not detected	nle	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	30	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.61 ug/L	
74-83-9	Bromomethane			not detected	10	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.74 ug/L	
67-64-1	Acetone			not detected	700	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	300	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.65 ug/L	
67-66-3	Chloroform			not detected	6	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.20 ug/L	
71-43-2	Benzene			not detected	1	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.33 ug/L	
108-88-3	Toluene			not detected	1000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	100	1.57 ug/L	
75-25-2	Bromoform			not detected	4	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	74	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 ug/L	

Qualifiers

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

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

Data File Nam	**vb01377.d**	Sample Name	**3553.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**18 May 1998 2:50 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
107028	Acrolein			not detected	nle	6.25 ug/L	
107131	Acrylonitrile			not detected	nle	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	30	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.61 ug/L	
74-83-9	Bromomethane			not detected	10	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.74 ug/L	
67-64-1	Acetone	10.51	53618	5.85 ug/L	700	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	300	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.65 ug/L	
67-66-3	Chloroform			not detected	6	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.20 ug/L	
71-43-2	Benzene			not detected	1	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.33 ug/L	
108-88-3	Toluene			not detected	1000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	100	1.57 ug/L	
75-25-2	Bromoform			not detected	4	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	74	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 ug/L	

Qualifiers

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

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

Data File Nam	**vb01382.d**	Sample Name	**3555.01**
Operator	**Skelton**	Field ID	**MW19**
Date Acquired	**18 May 1998 6:55 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
107028	Acrolein			not detected	nle	6.25 ug/L	
107131	Acrylonitrile			not detected	nle	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	30	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.61 ug/L	
74-83-9	Bromomethane			not detected	10	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.74 ug/L	
67-64-1	Acetone			not detected	700	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	300	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.65 ug/L	
67-66-3	Chloroform			not detected	6	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.20 ug/L	
71-43-2	Benzene			not detected	1	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.33 ug/L	
108-88-3	Toluene			not detected	1000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	100	1.57 ug/L	
75-25-2	Bromoform			not detected	4	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	74	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 ug/L	

Qualifiers

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

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

Data File Nam	**vb01383.d**	Sample Name	**3555.02**
Operator	**Skelton**	Field ID	**MW20**
Date Acquired	**18 May 1998 7:42 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
107028	Acrolein			not detected	nle	6.25 ug/L	
107131	Acrylonitrile			not detected	nle	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	30	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.61 ug/L	
74-83-9	Bromomethane			not detected	10	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.74 ug/L	
67-64-1	Acetone			not detected	700	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	300	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.65 ug/L	
67-66-3	Chloroform			not detected	6	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.20 ug/L	
71-43-2	Benzene			not detected	1	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.33 ug/L	
108-88-3	Toluene			not detected	1000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	100	1.57 ug/L	
75-25-2	Bromoform			not detected	4	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	74	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 ug/L	

Qualifiers

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

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

Data File Nam	**vb01384.d**	Sample Name	**3555.03**
Operator	**Skelton**	Field ID	**MW21**
Date Acquired	**18 May 1998 8:29 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
107028	Acrolein			not detected	nle	6.25 ug/L	
107131	Acrylonitrile			not detected	nle	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	30	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.61 ug/L	
74-83-9	Bromomethane			not detected	10	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.74 ug/L	
67-64-1	Acetone			not detected	700	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	300	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.65 ug/L	
67-66-3	Chloroform			not detected	6	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.20 ug/L	
71-43-2	Benzene			not detected	1	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.33 ug/L	
108-88-3	Toluene			not detected	1000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	100	1.57 ug/L	
75-25-2	Bromoform			not detected	4	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	74	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 ug/L	

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **VBLK09**

Lab Name: FMETL Project 980211

NJDEP# 13461 Case No.: 3555 SDG No _____ Location M-14

Matrix: (soil/water) WATER Lab Sample ID: VBLK09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01375.D

Level: (low/med) LOW Date Received: 05/07/98

% Moisture: not dec. _____ Date Analyzed: 05/18/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Trip Blank

Lab Name: FMETL Project 980211

NJDEP# 13461 Case No.: 3553 SDG No _____ Location M-12

Matrix: (soil/water) WATER Lab Sample ID: 3553.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01376.D

Level: (low/med) LOW Date Received: 05/07/98

% Moisture: not dec. _____ Date Analyzed: 05/18/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL Project 980211

NJDEP# 13461 Case No.: 3553 SDG No _____ Location M-12

Matrix: (soil/water) WATER Lab Sample ID: 3553.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01377.D

Level: (low/med) LOW Date Received: 05/07/98

% Moisture: not dec. _____ Date Analyzed: 05/18/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 001066-40-6	Silanol, trimethyl-	13.23	47	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW19

Lab Name: FMETL Project 980211

NJDEP# 13461 Case No.: 3555 SDG No _____ Location M-14

Matrix: (soil/water) WATER Lab Sample ID: 3555.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01382.D

Level: (low/med) LOW Date Received: 05/07/98

% Moisture: not dec. _____ Date Analyzed: 05/18/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW20

Lab Name: FMETL Project 980211

NJDEP# 13461 Case No.: 3555 SDG No _____ Location M-14

Matrix: (soil/water) WATER Lab Sample ID: 3555.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01383.D

Level: (low/med) LOW Date Received: 05/07/98

% Moisture: not dec. _____ Date Analyzed: 05/18/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW21

Lab Name: FMETL Project 980211

NJDEP# 13461 Case No.: 3555 SDG No _____ Location M-14

Matrix: (soil/water) WATER Lab Sample ID: 3555.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01384.D

Level: (low/med) LOW Date Received: 05/07/98

% Moisture: not dec. _____ Date Analyzed: 05/18/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

R.T. = Retention Time
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File Name	**BN1675.D**	Sample Name	**SBLK 67**
Operator	**FITZPATRICK**	Misc Info	**SBLK 67**
Date Acquired	**19 May 1998 8:24 pm**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN1675.D**	Sample Name	**SBLK 67**
Operator	**FITZPATRICK**	Misc Info	**SBLK 67**
Date Acquired	**19 May 1998 8:24 pm**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	BN1693.D	Sample Name	3553.02
Operator	FITZPATRICK	Misc Info	FIELD BLANK
Date Acquired	20 May 1998 9:10 pm	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN1693.D**	Sample Name	**3553.02**
Operator	**FITZPATRICK**	Misc Info	**FIELD BLANK**
Date Acquired	**20 May 1998 9:10 pm**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceeded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	BN1677.D	Sample Name	3555.01
Operator	FITZPATRICK	Misc Info	MW-19
Date Acquired	19 May 1998 10:14 pm	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN1677.D**	Sample Name	**3555.01**
Operator	**FITZPATRICK**	Misc Info	**MW-19**
Date Acquired	**19 May 1998 10:14 pm**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceeded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	**BN1678.D**	Sample Name	**3555.02**
Operator	**FITZPATRICK**	Misc Info	**MW-20**
Date Acquired	**19 May 1998 11:07 pm**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN1678.D**	Sample Name	**3555.02**
Operator	**FITZPATRICK**	Misc Info	**MW-20**
Date Acquired	**19 May 1998 11:07 pm**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	**BN1679.D**	Sample Name	**3555.03**
Operator	**FITZPATRICK**	Misc Info	**MW-21**
Date Acquired	**20 May 1998 12:00 am**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	BN1679.D	Sample Name	3555.03
Operator	FITZPATRICK	Misc Info	MW-21
Date Acquired	20 May 1998 12:00 am	Sample Multiplier	1

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK 67

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3555 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: SBLK 67

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1675.D

Level: (low/med) LOW Date Received: 05/07/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/19/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000110-83-8	Cyclohexene	3.46	580	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD BLANK

Lab Name: FMETL Lab Code 13461

Project Case No.: 3553 Location M-12 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3553.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1693.D

Level: (low/med) LOW Date Received: 05/07/98

% Moisture: decanted: (Y/N) N Date Extracted: 05/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/20/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000110-83-8	Cyclohexene	3.43	680	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-19

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3555 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3555.01

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1677.D

Level: (low/med) LOW Date Received: 05/07/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/19/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000110-83-8	Cyclohexene	3.46	620	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-20

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3555 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3555.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1678.D

Level: (low/med) LOW Date Received: 05/07/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/19/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	3.49	740	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-21

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3555 Location M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3555.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1679.D

Level: (low/med) LOW Date Received: 05/07/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/20/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	3.47	650	J

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

Client :	U.S. Army	**Lab. ID # :**	BLK93
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	5/8/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/6/98
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		NLE	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

Client :	U.S. Army	**Lab. ID # :**	3553.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/7/98
	Bldg. 173	**Extraction Date:**	5/8/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/6/98
Analysis:	EPA Method 608	**Location :**	M-12 (903)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		NLE	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

Client :	U.S. Army	**Lab. ID # :**	3555.01
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/7/98
	Bldg. 173	**Extraction Date:**	5/8/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/6/98
Analysis:	EPA Method 608	**Location :**	M-14 (900)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		NLE	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

Client :	U.S. Army	**Lab. ID # :**	3555.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/7/98
	Bldg. 173	**Extraction Date:**	5/8/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/6/98
Analysis:	EPA Method 608	**Location :**	M-14 (900)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		NLE	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

Client :	U.S. Army	**Lab. ID # :**	3555.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/7/98
	Bldg. 173	**Extraction Date:**	5/8/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/6/98
Analysis:	EPA Method 608	**Location :**	M-14 (900)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		NLE	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

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

Lab ID #: 3555
Sample Received: 05/07/98
Sample Preparation: 05/26/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

METHOD BLANK SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	05/28/98	ND	200	10.0
Antimony	05/28/98	2.8	20	2.0
Arsenic	05/28/98	ND	8	2.0
Barium	05/28/98	ND	2000	0.5
Beryllium	05/28/98	ND	20	0.5
Cadmium	05/28/98	ND	4	0.5
Calcium	05/28/98	53	NLE	20.0
Chromium	05/28/98	ND	100	0.5
Cobalt	05/28/98	ND	NLE	0.5
Copper	05/28/98	ND	1000	3.0
Iron	05/28/98	55	300	10.0
Lead	05/28/98	ND	10	2.0
Magnesium	05/28/98	78	NLE	20.0
Manganese	05/28/98	ND	50	0.5
Mercury	05/08/98	ND	2	0.2
Nickel	05/28/98	1.4	100	0.5
Potassium	05/28/98	ND	NLE	20.0
Selenium	05/28/98	ND	50	3.0
Silver	05/28/98	ND	20	3.0
Sodium	05/28/98	ND	50000	20.0
Thallium	05/28/98	ND	10	3.0
Vanadium	05/28/98	ND	NLE	1.0
Zinc	05/28/98	2.8	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

Lab ID #: 3553.02
Sample Received: 05/07/98
Sample Matrix: Aqueous

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	05/28/98	ND	200	10.0
Antimony	05/28/98	ND	20	2.0
Arsenic	05/28/98	ND	8	2.0
Barium	05/28/98	0.7	2000	0.5
Beryllium	05/28/98	ND	20	0.5
Cadmium	05/28/98	ND	4	0.5
Calcium	05/28/98	ND	NLE	20.0
Chromium	05/28/98	ND	100	0.5
Cobalt	05/28/98	ND	NLE	0.5
Copper	05/28/98	4.2	1000	3.0
Iron	05/28/98	ND	300	10.0
Lead	05/28/98	ND	10	2.0
Magnesium	05/28/98	ND	NLE	20.0
Manganese	05/28/98	ND	50	0.5
Mercury	05/08/98	ND	2	0.2
Nickel	05/28/98	2.6	100	0.5
Potassium	05/28/98	ND	NLE	20.0
Selenium	05/28/98	ND	50	3.0
Silver	05/28/98	ND	20	3.0
Sodium	05/28/98	ND	50000	20.0
Thallium	05/28/98	ND	10	3.0
Vanadium	05/28/98	ND	NLE	1.0
Zinc	05/28/98	10.4	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

Lab ID #: 3555.01
Sample Received: 05/07/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	05/28/98	34.5	200	10.0
Antimony	05/28/98	ND	20	2.0
Arsenic	05/28/98	2.6	8	2.0
Barium	05/28/98	51.1	2000	0.5
Beryllium	05/28/98	ND	20	0.5
Cadmium	05/28/98	ND	4	0.5
Calcium	05/28/98	25500	NLE	20.0
Chromium	05/28/98	ND	100	0.5
Cobalt	05/28/98	ND	NLE	0.5
Copper	05/28/98	ND	1000	3.0
Iron	05/28/98	48050	300	10.0
Lead	05/28/98	ND	10	2.0
Magnesium	05/28/98	2956	NLE	20.0
Manganese	05/28/98	172	50	0.5
Mercury	05/08/98	ND	2	0.2
Nickel	05/28/98	1.2	100	0.5
Potassium	05/28/98	8018	NLE	20.0
Selenium	05/28/98	ND	50	3.0
Silver	05/28/98	ND	20	3.0
Sodium	05/28/98	7202	50000	20.0
Thallium	05/28/98	ND	10	3.0
Vanadium	05/28/98	ND	NLE	1.0
Zinc	05/28/98	23.9	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

Lab ID #: 3555.02
Sample Received: 05/07/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	05/28/98	ND	200	10.0
Antimony	05/28/98	ND	20	2.0
Arsenic	05/28/98	ND	8	2.0
Barium	05/28/98	25.5	2000	0.5
Beryllium	05/28/98	ND	20	0.5
Cadmium	05/28/98	ND	4	0.5
Calcium	05/28/98	63960	NLE	20.0
Chromium	05/28/98	ND	100	0.5
Cobalt	05/28/98	ND	NLE	0.5
Copper	05/28/98	4.1	1000	3.0
Iron	05/28/98	6921	300	10.0
Lead	05/28/98	ND	10	2.0
Magnesium	05/28/98	4130	NLE	20.0
Manganese	05/28/98	196	50	0.5
Mercury	05/08/98	ND	2	0.2
Nickel	05/28/98	8.4	100	0.5
Potassium	05/28/98	10450	NLE	20.0
Selenium	05/28/98	ND	50	3.0
Silver	05/28/98	ND	20	3.0
Sodium	05/28/98	10630	50000	20.0
Thallium	05/28/98	ND	10	3.0
Vanadium	05/28/98	2.1	NLE	1.0
Zinc	05/28/98	12.0	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

Lab ID #: 3555.03
Sample Received: 05/07/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	05/28/98	ND	200	10.0
Antimony	05/28/98	3.4	20	2.0
Arsenic	05/28/98	ND	8	2.0
Barium	05/28/98	33.1	2000	0.5
Beryllium	05/28/98	ND	20	0.5
Cadmium	05/28/98	ND	4	0.5
Calcium	05/28/98	45440	NLE	20.0
Chromium	05/28/98	ND	100	0.5
Cobalt	05/28/98	ND	NLE	0.5
Copper	05/28/98	ND	1000	3.0
Iron	05/28/98	1009	300	10.0
Lead	05/28/98	ND	10	2.0
Magnesium	05/28/98	6389	NLE	20.0
Manganese	05/28/98	54.6	50	0.5
Mercury	05/08/98	ND	2	0.2
Nickel	05/28/98	1.5	100	0.5
Potassium	05/28/98	10820	NLE	20.0
Selenium	05/28/98	ND	50	3.0
Silver	05/28/98	ND	20	3.0
Sodium	05/28/98	11820	50000	20.0
Thallium	05/28/98	ND	10	3.0
Vanadium	05/28/98	1.2	NLE	1.0
Zinc	05/28/98	ND	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

	Laboratory	Silanol, trimethyl-	Di-n-butyl phthalate	Propylene Glycol	2-Pentanone 4-hydroxy-4-methyl	9-Octadecenamide, (Z)-	Iron	Manganese	Silver	Aluminum	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	NLE	900	NLE	NLE	NLE	300	50	20	200	-
06/12/97	FMETL	14	2.06	25	19	39	27000	57	33	-	V,S,P,M
07/03/97	FMETL	60	1.04	ND	ND	ND	30300	290	27	124.1	V,S,P,M
11/07/97	FMETL	53	1.60	ND	ND	ND	11600	136	ND	110	V,S,P,M
02/23/98	FMETL	ND	7.20	ND	ND	ND	50590	119	ND	76	V,S,P,M
05/07/98	FMETL	ND	ND	ND	ND	ND	48050	172	ND	34.5	V,S,P,M

SOURCE: MW-19

Sampling Dates:
06/12/97 - 05/07/98

NOTES:

Page 1 of 2.

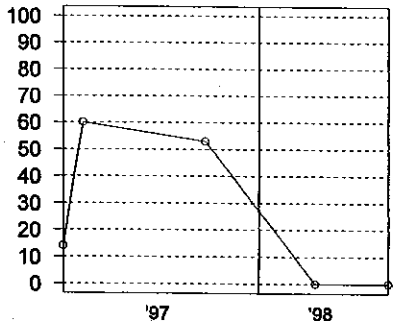
FORT MONMOUTH

GW MONITORING
Bldg. M-14

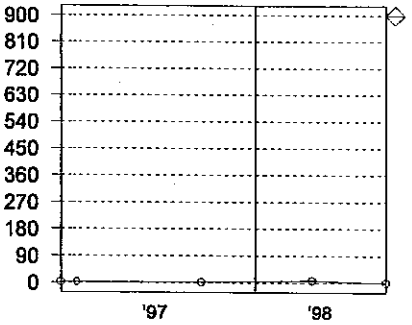
Well 1 of 3

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

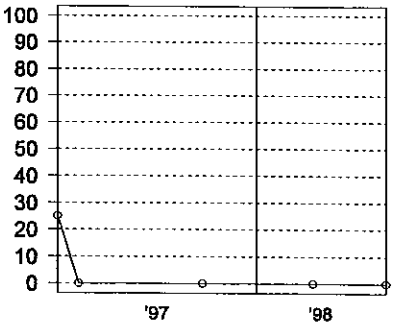
Silanol, trimethyl-
(ug/l)



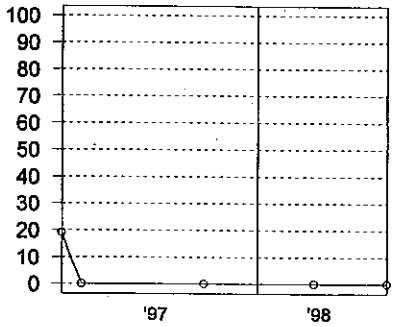
Di-n-butylphthalate
(ug/l)



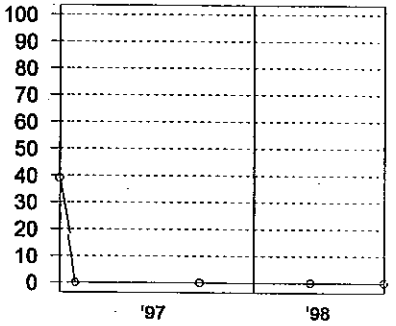
Propylene Glycol
(ug/l)



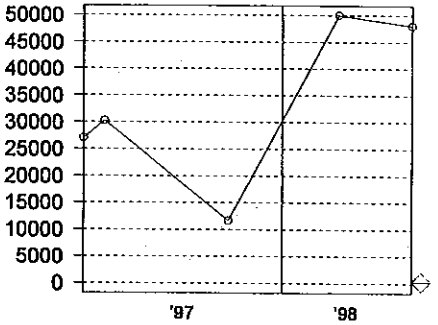
2-Pentanone, 4-hydroxy-4-methyl
(ug/l)



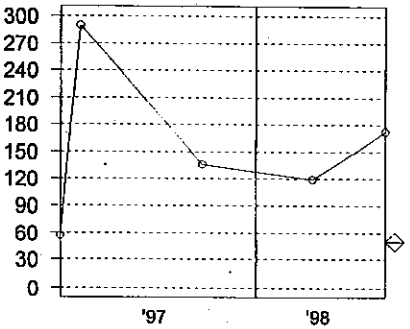
9-Octadecenamide, (Z)
(ug/l)



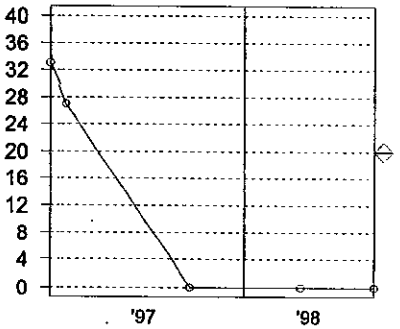
Iron
(ug/l)



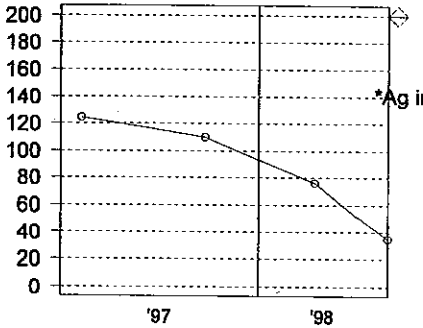
Manganese
(ug/l)



Silver
(ug/l)



Aluminum
(ug/l)



*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

SOURCE: MW-19

Sampling Dates:
06/12/97 - 05/07/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 3, Graph

08-13-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Arsenic	Barium	Calcium	Magnesium	Nickel	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:	-	8	2000	NLE	NLE	100	NLE	50000	5000	-	-
06/12/97	FMETL	-	-	-	-	-	-	-	-	6.90	V,S,P,M
07/03/97	FMETL	2	70.8	27810	4280	ND	5340	8320	21	7.20	V,S,P,M
11/07/97	FMETL	ND	17.4	18930	2320	ND	5660	6580	67	7.35	V,S,P,M
02/23/98	FMETL	ND	46.2	20450	2420	1.2	6400	5940	21	6.40	V,S,P,M
05/07/98	FMETL	2.6	51.1	25500	2956	1.2	8018	7202	23.9	6.51	V,S,P,M

SOURCE: MW-19

Sampling Dates:
06/12/97 - 05/07/98

NOTES:

Page 2 of 2.

FORT MONMOUTH

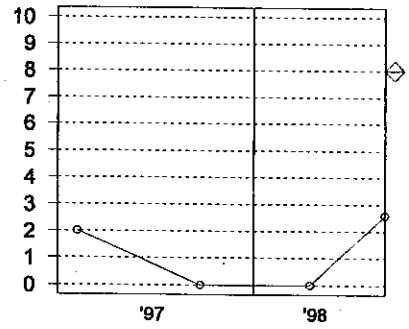
GW MONITORING
Bldg. M-14

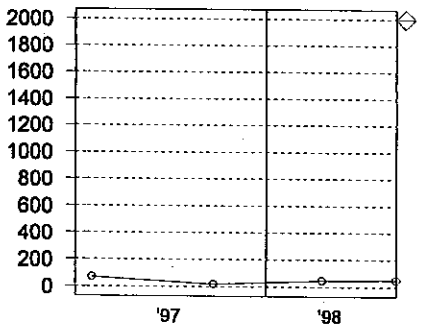
Well 1 of 3

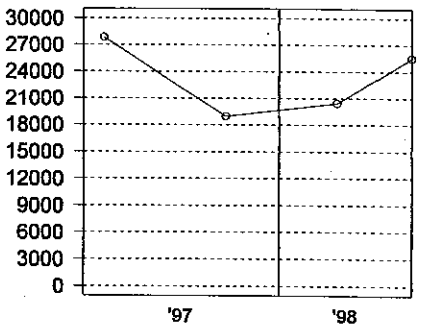
*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

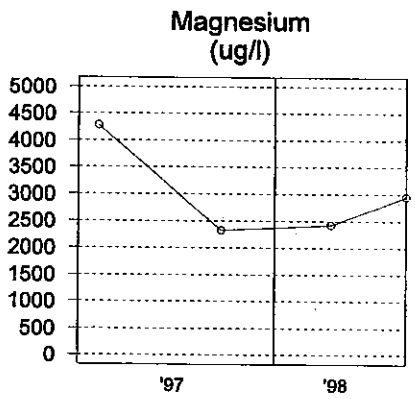
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

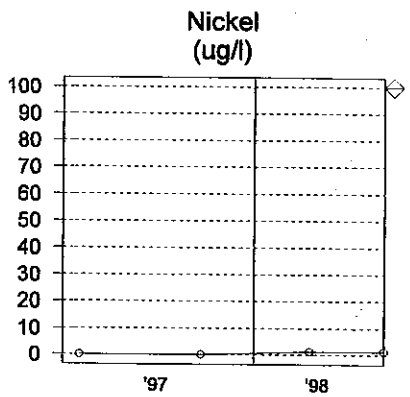
08-13-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

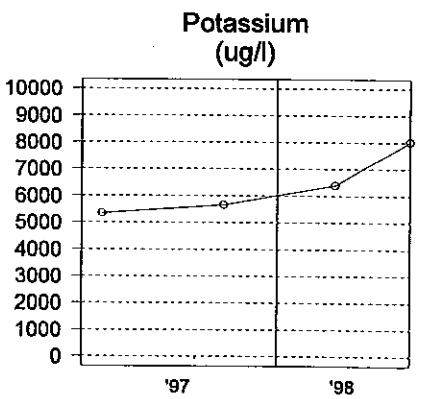


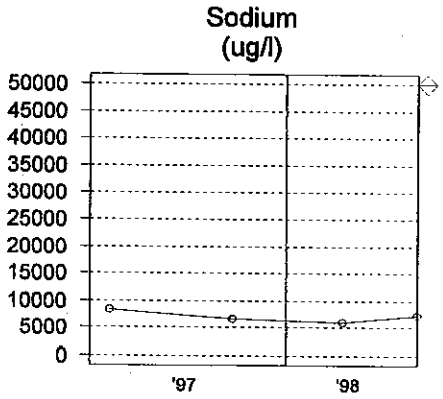


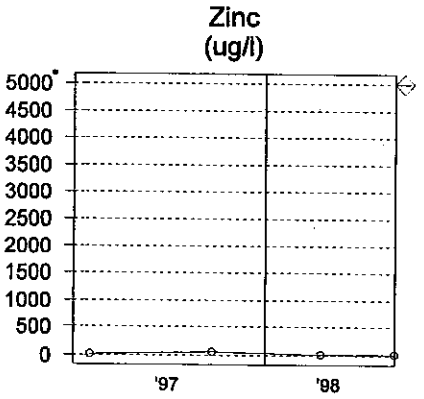


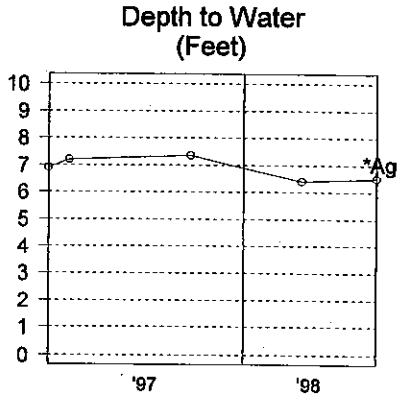












*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

SOURCE: MW-19

Sampling Dates:
06/12/97 - 05/07/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 3, Graph

08-13-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Silanol, trimethyl-	Di-n-butyl phthalate	Phen anthrene	Propylene Glycol	2-Pentanone 4-hydroxy-4-methyl	Non anamide	9-Octadec enamide, (Z)-	Iron	Manganese	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	NLE	900	NLE	NLE	NLE	NLE	NLE	300	50	-
06/12/97	FMETL	5	3.86	ND	27	18	9	78	6990	147	V,S,P,M
07/03/97	FMETL	7	1.31	0.56	ND	ND	ND	ND	2470	75	V,S,P,M
11/07/97	FMETL	ND	2.09	ND	ND	ND	ND	ND	2330	46	V,S,P,M
02/23/98	FMETL	ND	12.5	ND	ND	ND	ND	ND	12550	677	V,S,P,M
05/07/98	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	196	V,S,P,M

SOURCE: MW-20

Sampling Dates:
06/12/97 - 05/07/98

NOTES:

Page 1 of 3.

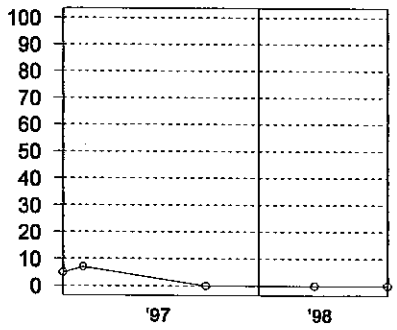
FORT MONMOUTH

GW MONITORING
Bldg. M-14

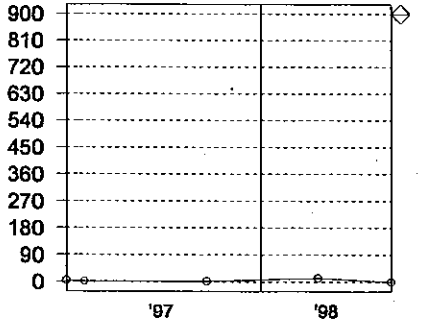
Well 2 of 3

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

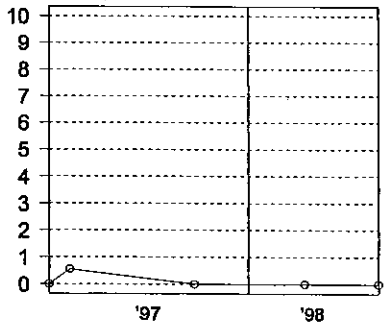
Silanol, trimethyl-
(ug/l)



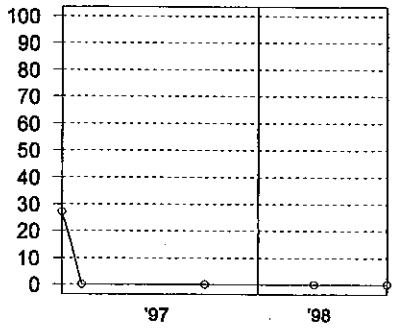
Di-n-butylphthalate
(ug/l)



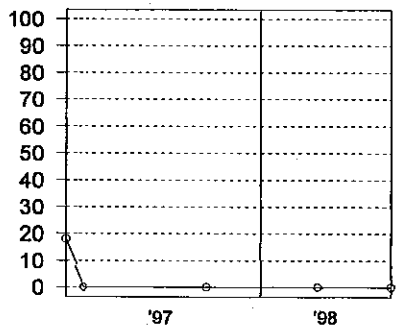
Phenanthrene
(ug/l)



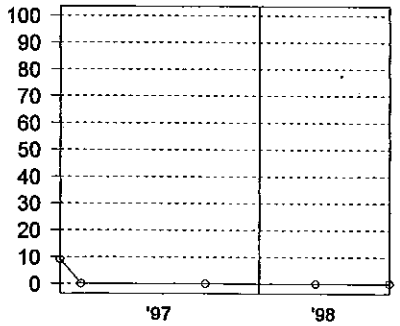
Propylene Glycol
(ug/l)



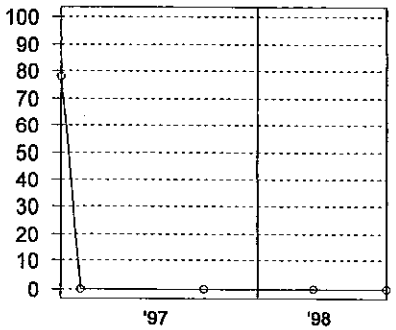
2-Pentanone, 4-hydroxy-4-methyl
(ug/l)



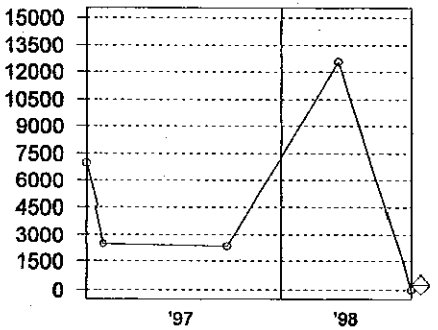
Nonanamide
(ug/l)



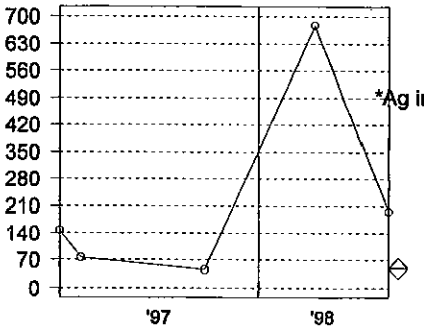
9-Octadecenamide, (Z)
(ug/l)



Iron
(ug/l)



Manganese
(ug/l)



SOURCE: MW-20

Sampling Dates:
06/12/97 - 05/07/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

08-13-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Silver	Aluminum	Arsenic	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	20	200	8	2000	NLE	NLE	100	NLE	50000	-
06/12/97	FMETL	32	-	-	-	-	-	-	-	-	V,S,P,M
07/03/97	FMETL	29	21.2	2	14.6	24700	2350	ND	5290	6000	V,S,P,M
11/07/97	FMETL	ND	71	ND	14	34440	2420	ND	5080	5860	V,S,P,M
02/23/98	FMETL	ND	286	ND	60.4	104400	8500	24	9500	14860	V,S,P,M
05/07/98	FMETL	ND	ND	ND	25.5	63960	4130	8.4	10450	10630	V,S,P,M

SOURCE: MW-20

Sampling Dates:
06/12/97 - 05/07/98

NOTES:

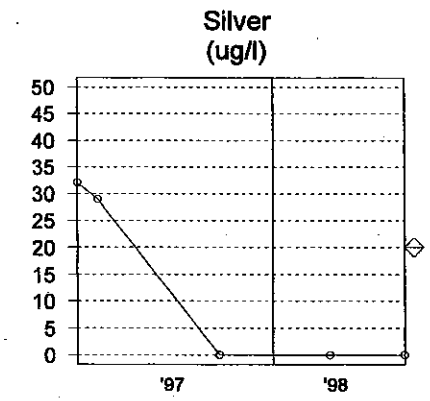
Page 2 of 3.

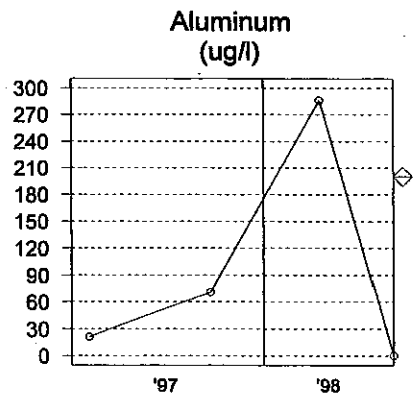
FORT MONMOUTH

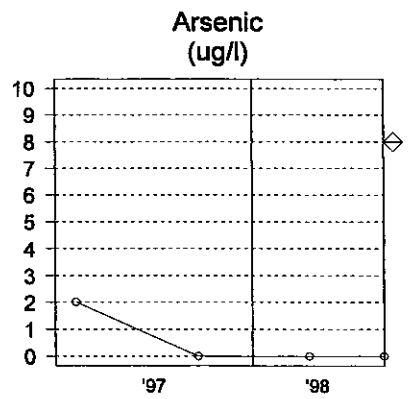
GW MONITORING
Bldg. M-14

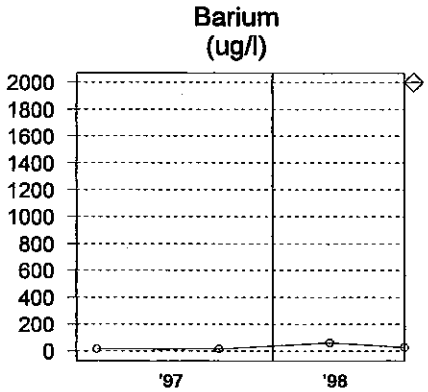
Well 2 of 3

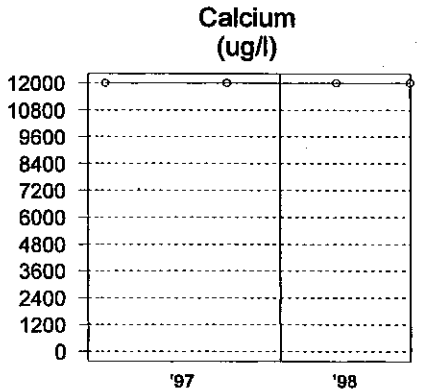
*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

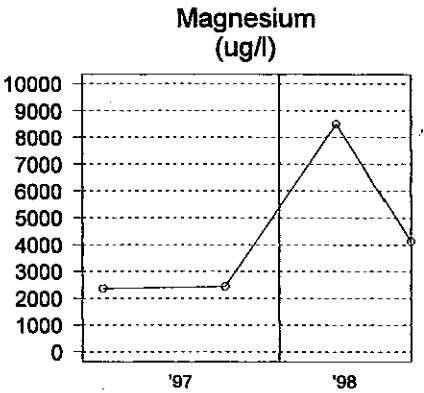


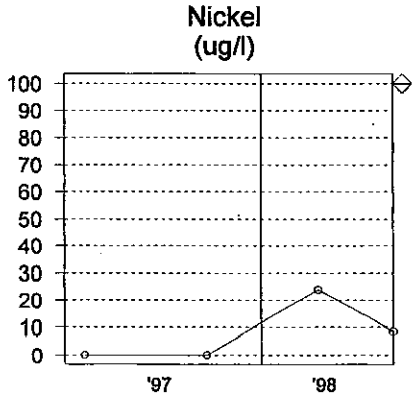


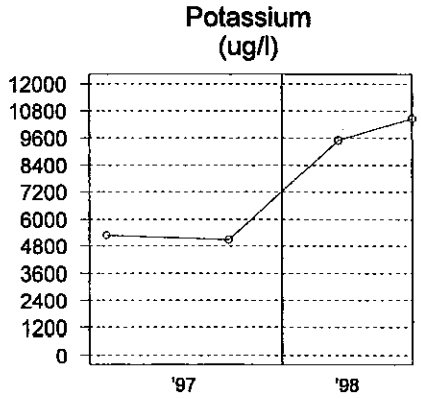


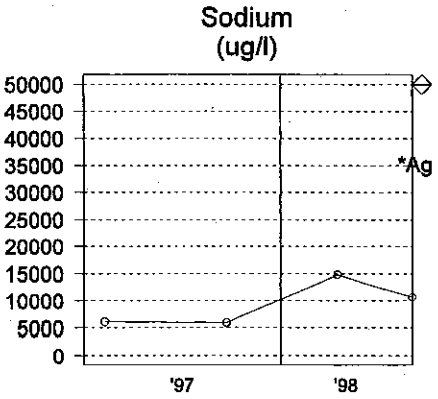












SOURCE: MW-20

Sampling Dates:
06/12/97 - 05/07/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

08-13-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Zinc	Depth to Water								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	5000	-								-
06/12/97	FMETL	-	6.25								V,S,P,M
07/03/97	FMETL	24	6.60								V,S,P,M
11/07/97	FMETL	45	6.50								V,S,P,M
02/23/98	FMETL	108	5.80								V,S,P,M
05/07/98	FMETL	12	5.85								V,S,P,M

SOURCE: MW-20

Sampling Dates:
06/12/97 - 05/07/98

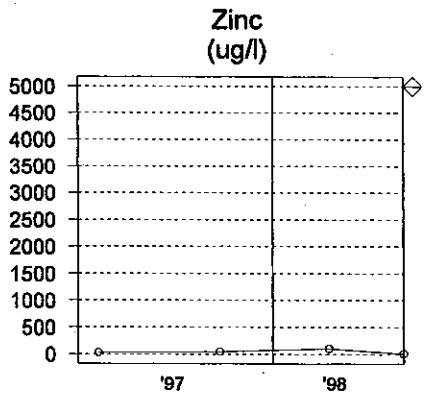
NOTES:

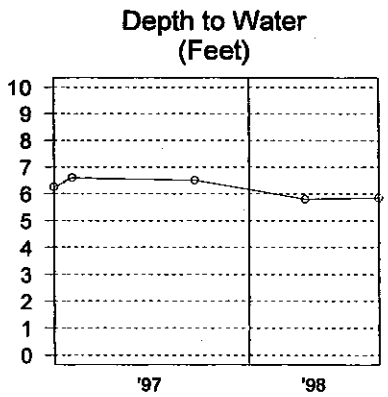
FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.





SOURCE: MW-20

Sampling Dates:
06/12/97 - 05/07/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

	Laboratory	Silanol, trimethyl-	Di-n-butyl phthalate	Propylene Glycol	2-Pentanone 4-hydroxy-4-methyl	Acenaphthene-d10	Non anamide	Iron	Manganese	Silver	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	NLE	900	NLE	NLE	NLE	NLE	300	50	20	-
06/12/97	FMETL	10	3.66	23	16	42	38	1470	64	83	V,S,P,M
07/03/97	FMETL	12	3.87	ND	ND	ND	ND	940	84	56	V,S,P,M
11/07/97	FMETL	74	1.46	ND	ND	ND	ND	690	58	ND	V,S,P,M
02/23/98	FMETL	ND	ND	ND	ND	ND	ND	5440	85	ND	V,S.P.M
05/07/98	FMETL	ND	ND	ND	ND	ND	ND	1009	54.6	ND	V,S,P,M

SOURCE: MW-21

Sampling Dates:
06/12/97 - 05/07/98

NOTES:

Page 1 of 3.

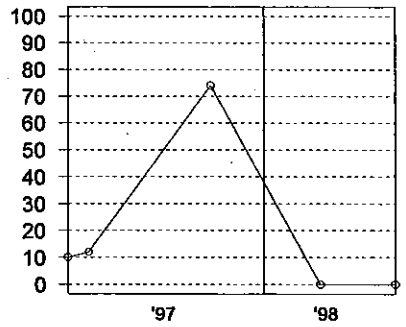
FORT MONMOUTH

GW MONITORING
Bldg. M-14

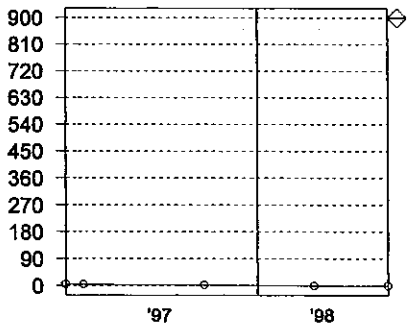
Well 3 of 3

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

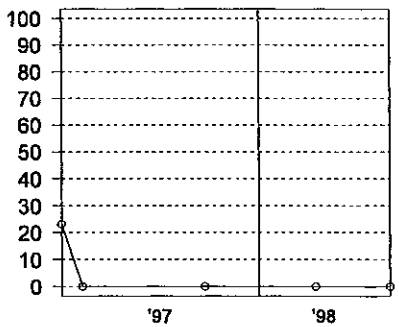
Silanol, trimethyl-
(ug/l)



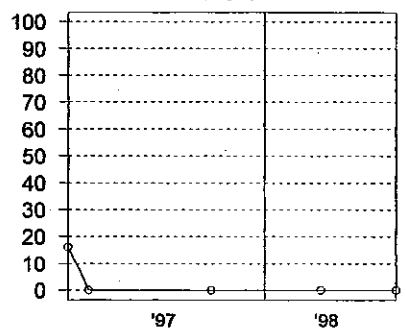
Di-n-butylphthalate
(ug/l)



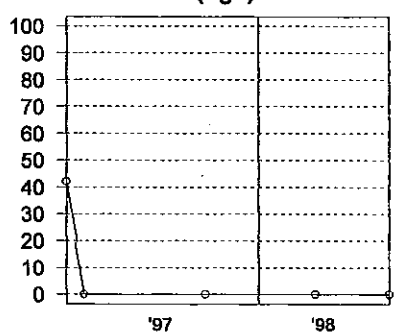
Propylene Glycol
(ug/l)



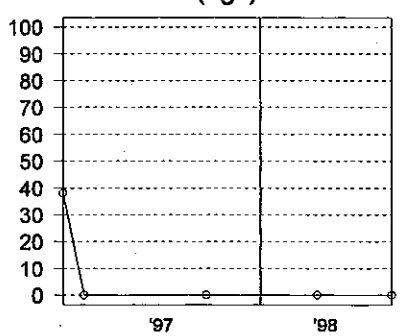
2-Pentanone, 4-hydroxy-4-methyl
(ug/l)



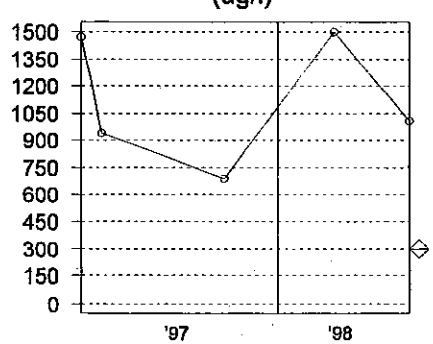
Acenaphthene-d10
(ug/l)



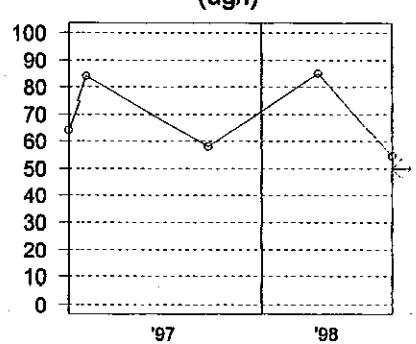
Nonanamide
(ug/l)



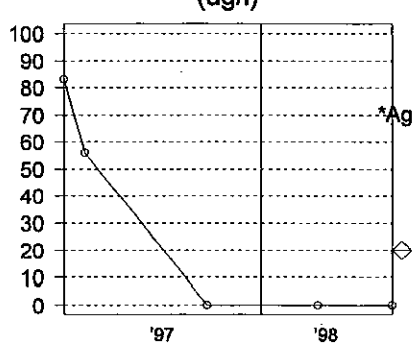
Iron
(ug/l)



Manganese
(ug/l)



Silver
(ug/l)



SOURCE: MW-21

Sampling Dates:
06/12/97 - 05/07/98

NOTES:

Page 1 of 3.

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3, Graph

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

	Laboratory	Aluminum	Antimony	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	200	20	2000	NLE	NLE	100	NLE	50000	5000	-
06/12/97	FMETL	-	-	-	-	-	-	-	-	-	V,S,P,M
07/03/97	FMETL	26.8	ND	25.1	29690	4310	ND	6360	6770	26	V,S,P,M
11/07/97	FMETL	95	ND	23.6	34450	4140	5.9	6520	10300	236	V,S,P,M
02/23/98	FMETL	93	ND	97.1	48840	6670	3.8	9230	25370	20	V,S.P.M
05/07/98	FMETL	ND	3.4	33.1	45440	6389	1.5	10820	11820	ND	V,S,P,M

SOURCE: MW-21

Sampling Dates:
06/12/97 - 05/07/98

NOTES:

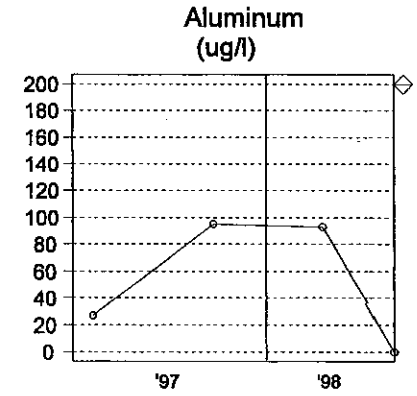
Page 2 of 3.

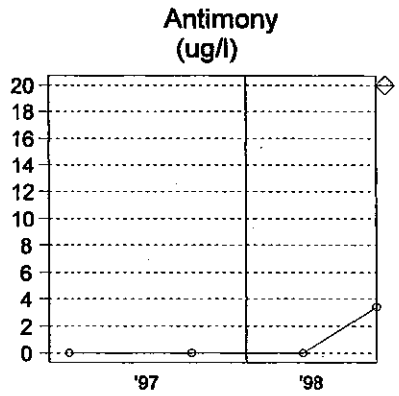
FORT MONMOUTH

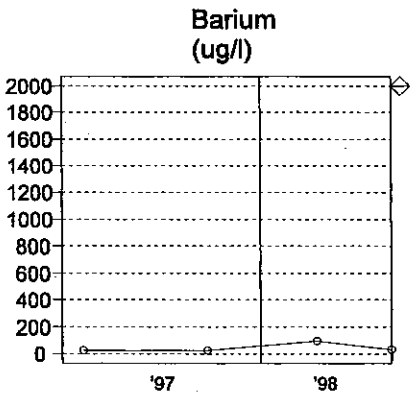
GW MONITORING
Bldg. M-14

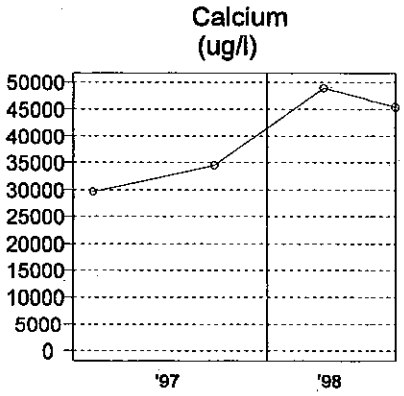
Well 3 of 3

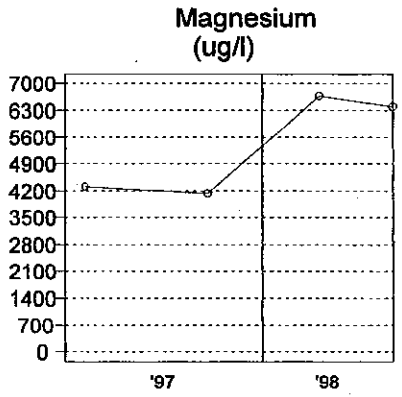
*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

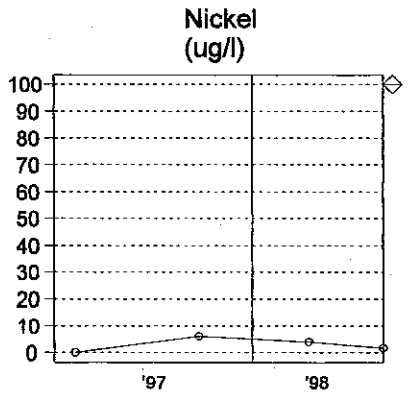


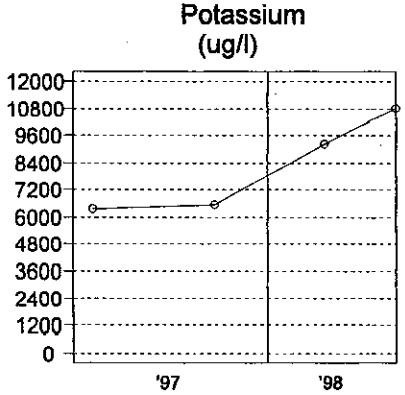


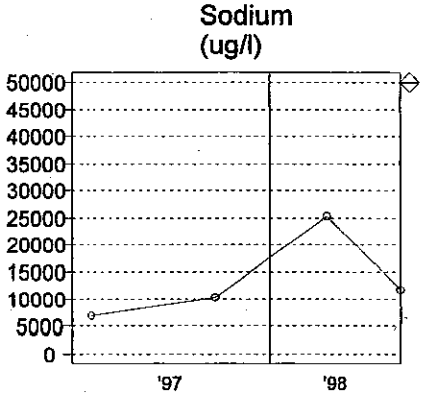


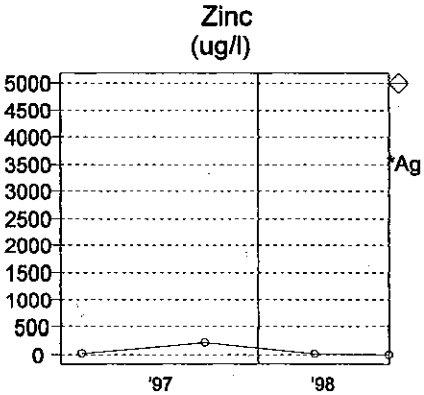












SOURCE: MW-21

Sampling Dates:
06/12/97 - 05/07/98

NOTES:

Page 2 of 3.

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3, Graph

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

	Laboratory	Depth to Water									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
06/12/97	FMETL	7.11									V,S,P,M
07/03/97	FMETL	6.85									V,S,P,M
11/07/97	FMETL	7.10									V,S,P,M
02/23/98	FMETL	6.10									V,S.P.M
05/07/98	FMETL	6.22									V,S,P,M

SOURCE: MW-21

Sampling Dates:
06/12/97 - 05/07/98

NOTES:

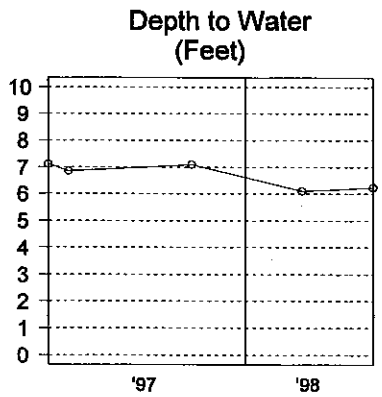
Page 3 of 3.

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.



SOURCE: MW-21

Sampling Dates:
06/12/97 - 05/07/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3, Graph

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
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-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3789.01	MW-19	29-32579	08/06/98
3789.02	MW-20	29-32580	08/06/98
3789.03	MW-21	29-32581	08/06/98

NJDEP Laboratory Certification # 13461

11/6/98

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)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J Fallon
Phone #: X216223
(✓)DERA ( )OMA ( )Other:
Project No:
Location: M-14 MW's
Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VO +15	BNA +25	Pest/PCB	TAL Mtls				HNO3 Read.	Comments: Remarks / Preservation Method
37789 .01	MW-19	8/6/98	1439	Aq	5	✓	✓	✓	✓				✓	0.0 ppm 29-32579
.02	MW-20	↓	1457	↓	5	✓	✓	✓	✓				✓	0.0 ppm 29-32580
.03	MW-21	↓	1240	↓	5	✓	✓	✓	✓				✓	0.6 ppm 29-32581

HCL/HNO3/4°C

DTW's: D to H2O / wt
M-12; MW-16 3.8 ft/
MW-17 4.2 ft/
MW-18 3.5 ft/

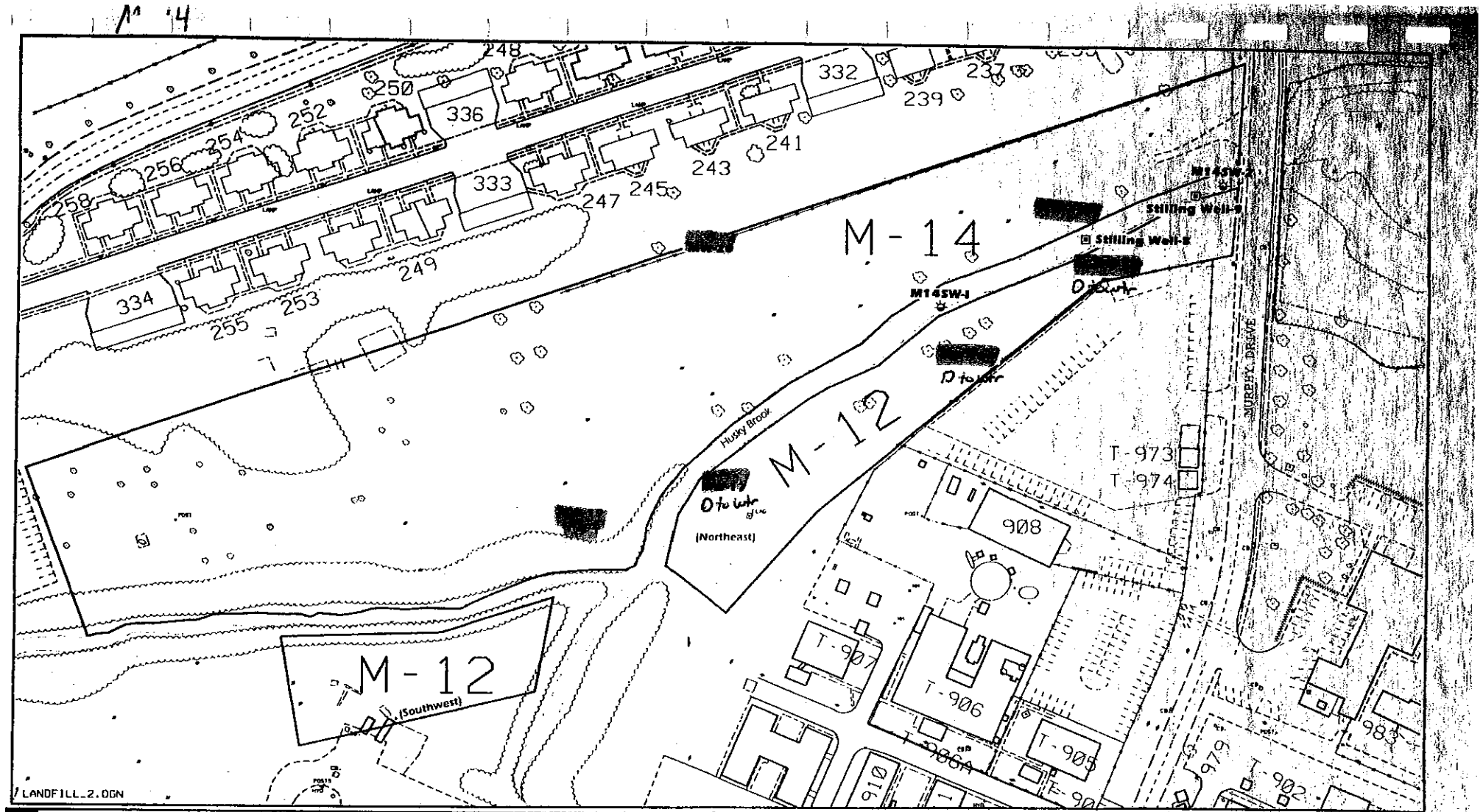
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	8/6/98 1527				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (✓)Standard, (_)Screen / non-certified
Turnaround time: (✓)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks: Shows Trip / dupe / blank w/ M-12

print legibly

coc.XLS7/31/98


M-14
M-12
M-12
(Northeast)
(Southwest)
M145W-1
M145W-2
Stilling Well-1
Stilling Well-2
Husky Brook
MURPHY DRIVE
T-973
T-974
908
T-907
T-906
T-906A
T-905
910
979
T-902
983
334
255
253
249
333
247
245
243
241
336
252
250
248
332
239
237
256
254
258
LANDFILL_2.DGN
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
Fort Monmouth, Main Post
FIGURE 4.2-15
LANDFILLS 12 (M-12) AND 14 (M-14)
SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 19
NJDEP ID #: 29-32579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 8 / 6 / 98
WEATHER: Sunny, hot, clear

ELEV. OF CASING SURVEY MARK: 9.68 ft
DEPTH TO WATER: 7.84 ft
DEPTH OF WELL: 17.50 ft
HEIGHT OF WATER: 9.66 ft
(9.66) X .65 X 3 = 18.83
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.19 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 1304
pH 6.26 su TEMP 16.1 °C
DISSOLVED O2 2.86 mg/l SPECIFIC CONDUCTIVITY 169 us/cm

PURGE END TIME: 1439
pH 5.30 su TEMP 16.0 °C
DISSOLVED O2 2.66 mg/l SPECIFIC CONDUCTIVITY 134 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.88 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

pH 5.34 su TEMP 16.0 °C
DISSOLVED O2 2.66 mg/l SPECIFIC CONDUCTIVITY 137 us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 20
NJDEP ID #: 29-32580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 8 / 6 / 98
WEATHER: Sunny, hot, clear

ELEV. OF CASING SURVEY MARK: 9.29 ft
DEPTH TO WATER: 6.94 ft
DEPTH OF WELL: 16.90 ft
HEIGHT OF WATER: 9.96 ft
(9.96) X .65 X 3 = 19.42
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.19 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 1317
pH 5.95 su TEMP 16.6 °C
DISSOLVED O2 3.36 mg/l SPECIFIC CONDUCTIVITY 185 us/cm

PURGE END TIME: 1457
pH 5.95 su TEMP 16.4 °C
DISSOLVED O2 3.16 mg/l SPECIFIC CONDUCTIVITY 220 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 13.96 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

pH 5.96 su TEMP 16.3 °C
DISSOLVED O2 2.86 mg/l SPECIFIC CONDUCTIVITY 210 us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 21
NJDEP ID #: 29-32581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 8 / 6 / 98
WEATHER: Sunny, warm, clear

ELEV. OF CASING SURVEY MARK: 9.57 ft
DEPTH TO WATER: 6.83 ft
DEPTH OF WELL: 19.30 ft
HEIGHT OF WATER: 12.47 ft
(12.47) X .65 X 3 = 24.31
GALLONS OF H2O TO BE PURGED: 24 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.24 gpm
Hnu READING: 0.6 ppm

PURGE START TIME: 1101
pH 6.52 su TEMP 17.7 °C
DISSOLVED O2 3.36 mg/l SPECIFIC CONDUCTIVITY 212 us/cm

PURGE END TIME: 1240
pH 6.36 su TEMP 17.3 °C
DISSOLVED O2 2.86 mg/l SPECIFIC CONDUCTIVITY 218 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.17 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 24 gal

pH 6.45 su TEMP 17.2 °C
DISSOLVED O2 2.76 mg/l SPECIFIC CONDUCTIVITY 215 us/cm

COMMENTS:

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

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

Data File Nam	**vb01159.d**	Sample Name	**VBLK33**
Operator	**Skelton**	Field ID	**VBLK33**
Date Acquired	**11 Aug 1998 3:43 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Nam	**vb01174.d**	Sample Name	**3789.01**
Operator	**Skelton**	Field ID	**MW-19**
Date Acquired	**12 Aug 98 3:17 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	10.48	34395	5.25 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	16.70	32108	4.38 ug/L	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Nam	**vb01175.d**	Sample Name	**3789.02**
Operator	**Skelton**	Field ID	**MW-20**
Date Acquired	**12 Aug 98 4:03 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	10.49	89128	16.55 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	16.70	46406	5.62 ug/L	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Nam	**vb01176.d**	Sample Name	**3789.03**
Operator	**Skelton**	Field ID	**MW-21**
Date Acquired	**12 Aug 98 4:48 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	10.48	71759	13.36 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	16.70	36682	4.46 ug/L	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **VBLK33**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 3789 SDG No _____ Location M-14

Matrix: (soil/water) WATER Lab Sample ID: VBLK33

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01159.D

Level: (low/med) LOW Date Received: 08/06/98

% Moisture: not dec. _____ Date Analyzed: 08/11/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW-19

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 3789 SDG No _____ Location M-14

Matrix: (soil/water) WATER Lab Sample ID: 3789.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01174.D

Level: (low/med) LOW Date Received: 08/06/98

% Moisture: not dec. _____ Date Analyzed: 08/12/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-20

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 3789 SDG No _____ Location M-14

Matrix: (soil/water) WATER Lab Sample ID: 3789.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01175.D

Level: (low/med) LOW Date Received: 08/06/98

% Moisture: not dec. _____ Date Analyzed: 08/12/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW-21

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 3789 SDG No _____ Location M-14

Matrix: (soil/water) WATER Lab Sample ID: 3789.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01176.D

Level: (low/med) LOW Date Received: 08/06/98

% Moisture: not dec. _____ Date Analyzed: 08/12/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Name	**bn2261.d**	Sample Name	**SBLK 112**
Operator	**FITZPATRICK**	Misc Info	**SBLK 112**
Date Acquired	**21 Aug 1998 8:35 am**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**bn2261.d**	Sample Name	**SBLK 112**
Operator	**FITZPATRICK**	Misc Info	**SBLK 112**
Date Acquired	**21 Aug 1998 8:35 am**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

E = Value exceded 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

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

Data File Name	**bn2262.d**	Sample Name	**3789.01**
Operator	**FITZPATRICK**	Misc Info	**MW-19**
Date Acquired	**21 Aug 1998 9:24 am**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**bn2262.d**	Sample Name	**3789.01**
Operator	**FITZPATRICK**	Misc Info	**MW-19**
Date Acquired	**21 Aug 1998 9:24 am**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

E = Value exceded 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

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

Data File Name	**bn2263.d**	Sample Name	**3789.02**
Operator	**FITZPATRICK**	Misc Info	**MW-20**
Date Acquired	**21 Aug 1998 10:13 am**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**bn2263.d**	Sample Name	**3789.02**
Operator	**FITZPATRICK**	Misc Info	**MW-20**
Date Acquired	**21 Aug 1998 10:13 am**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

E = Value exceded 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

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

Data File Name	**bn2264.d**	Sample Name	**3789.03**
Operator	**FITZPATRICK**	Misc Info	**MW-21**
Date Acquired	**21 Aug 1998 11:03 am**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**bn2264.d**	Sample Name	**3789.03**
Operator	**FITZPATRICK**	Misc Info	**MW-21**
Date Acquired	**21 Aug 1998 11:03 am**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

E = Value exceded 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 FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK112

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 3789 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: SBLK 112

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN2261.D

Level: (low/med) LOW Date Received: 08/06/98

% Moisture: decanted: (Y/N) N Date Extracted: 08/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-19

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 3789 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3789.01

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN2262.D

Level: (low/med) LOW Date Received: 08/06/98

% Moisture: decanted: (Y/N) N Date Extracted: 08/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-20

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 3789 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3789.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN2263.D

Level: (low/med) LOW Date Received: 08/06/98

% Moisture: decanted: (Y/N) N Date Extracted: 08/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-21

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 3789 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3789.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN2264.D

Level: (low/med) LOW Date Received: 08/06/98

% Moisture: decanted: (Y/N) N Date Extracted: 08/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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

Client :	U.S. Army	**Lab. ID # :**	BLK167
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	8/10/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/20/98
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

Client :	U.S. Army	**Lab. ID # :**	3789.01
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/6/98
	Bldg. 173	**Extraction Date:**	8/10/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/20/98
Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1	19.45	0.10	0.0013	**0.034**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

Client :	U.S. Army	**Lab. ID # :**	3789.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/6/98
	Bldg. 173	**Extraction Date:**	8/10/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/20/98
Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

Client :	U.S. Army	**Lab. ID # :**	3789.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/6/98
	Bldg. 173	**Extraction Date:**	8/10/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/20/98
Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

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

Lab ID #: 3789
Sample Preparation: 08/24/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

METHOD BLANK SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/31/98	47.2	200	10.0
Antimony	08/31/98	8.48	20	2.0
Arsenic	08/31/98	ND	8	2.0
Barium	08/31/98	ND	2000	0.5
Beryllium	08/31/98	ND	20	0.5
Cadmium	08/31/98	ND	4	0.5
Calcium	08/31/98	122	NLE	20.0
Chromium	08/31/98	0.588	100	0.5
Cobalt	08/31/98	ND	NLE	0.5
Copper	08/31/98	ND	1000	3.0
Iron	08/31/98	255	300	10.0
Lead	08/31/98	ND	10	2.0
Magnesium	08/31/98	43.3	NLE	20.0
Manganese	08/31/98	5.90	50	0.5
Mercury	08/18/98	ND	2	0.2
Nickel	08/31/98	0.681	100	0.5
Potassium	08/31/98	774	NLE	20.0
Selenium	08/31/98	ND	50	3.0
Silver	08/31/98	ND	20	3.0
Sodium	08/31/98	62.4	50000	20.0
Thallium	08/31/98	ND	10	3.0
Vanadium	08/31/98	ND	NLE	1.0
Zinc	08/31/98	8.05	5000	1.0

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 #: 3789.01
Sample Received: 08/06/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/31/98	117	200	10.0
Antimony	08/31/98	2.27	20	2.0
Arsenic	08/31/98	ND	8	2.0
Barium	08/31/98	337	2000	0.5
Beryllium	08/31/98	ND	20	0.5
Cadmium	08/31/98	ND	4	0.5
Calcium	08/31/98	29100	NLE	20.0
Chromium	08/31/98	1.90	100	0.5
Cobalt	08/31/98	ND	NLE	0.5
Copper	08/31/98	ND	1000	3.0
Iron	08/31/98	19900	300	10.0
Lead	08/31/98	3.19	10	2.0
Magnesium	08/31/98	3200	NLE	20.0
Manganese	08/31/98	219	50	0.5
Mercury	08/18/98	ND	2	0.2
Nickel	08/31/98	ND	100	0.5
Potassium	08/31/98	14800	NLE	20.0
Selenium	08/31/98	ND	50	3.0
Silver	08/31/98	ND	20	3.0
Sodium	08/31/98	9130	50000	20.0
Thallium	08/31/98	ND	10	3.0
Vanadium	08/31/98	ND	NLE	1.0
Zinc	08/31/98	61.3	5000	1.0

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 #: 3789.02
Sample Received: 08/06/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/31/98	270	200	10.0
Antimony	08/31/98	2.74	20	2.0
Arsenic	08/31/98	3.77	8	2.0
Barium	08/31/98	30.6	2000	0.5
Beryllium	08/31/98	ND	20	0.5
Cadmium	08/31/98	ND	4	0.5
Calcium	08/31/98	37300	NLE	20.0
Chromium	08/31/98	3.49	100	0.5
Cobalt	08/31/98	ND	NLE	0.5
Copper	08/31/98	6.60	1000	3.0
Iron	08/31/98	6680	300	10.0
Lead	08/31/98	ND	10	2.0
Magnesium	08/31/98	2980	NLE	20.0
Manganese	08/31/98	61.0	50	0.5
Mercury	08/18/98	ND	2	0.2
Nickel	08/31/98	ND	100	0.5
Potassium	08/31/98	7570	NLE	20.0
Selenium	08/31/98	ND	50	3.0
Silver	08/31/98	ND	20	3.0
Sodium	08/31/98	6400	50000	20.0
Thallium	08/31/98	ND	10	3.0
Vanadium	08/31/98	ND	NLE	1.0
Zinc	08/31/98	42.1	5000	1.0

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 #: 3789.03
Sample Received: 08/06/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/31/98	1190	200	10.0
Antimony	08/31/98	3.80	20	2.0
Arsenic	08/31/98	ND	8	2.0
Barium	08/31/98	43.0	2000	0.5
Beryllium	08/31/98	ND	20	0.5
Cadmium	08/31/98	2.95	4	0.5
Calcium	08/31/98	44200	NLE	20.0
Chromium	08/31/98	11.5	100	0.5
Cobalt	08/31/98	2.54	NLE	0.5
Copper	08/31/98	3.85	1000	3.0
Iron	08/31/98	3820	300	10.0
Lead	08/31/98	ND	10	2.0
Magnesium	08/31/98	5090	NLE	20.0
Manganese	08/31/98	91.9	50	0.5
Mercury	08/18/98	ND	2	0.2
Nickel	08/31/98	1.29	100	0.5
Potassium	08/31/98	12600	NLE	20.0
Selenium	08/31/98	ND	50	3.0
Silver	08/31/98	ND	20	3.0
Sodium	08/31/98	7930	50000	20.0
Thallium	08/31/98	ND	10	3.0
Vanadium	08/31/98	7.03	NLE	1.0
Zinc	08/31/98	47.5	5000	1.0

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

	Laboratory	Acetone	2-Butanone	Silanol, trimethyl-	Di-n-butyl phthalate	Propylene Glycol	2-Pentanone 4-hydroxy-4-methyl	9-Octadecenamide, (Z)-	Iron	Manganese	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	NLE	900	NLE	NLE	NLE	300	50	-
06/12/97	FMETL	ND	ND	14	2.06	25	19	39	27000	57	V,S,P,M
07/03/97	FMETL	ND	ND	60	1.04	ND	ND	ND	30300	290	V,S,P,M
11/07/97	FMETL	ND	ND	53	1.60	ND	ND	ND	11600	136	V,S,P,M
02/23/98	FMETL	ND	ND	ND	7.20	ND	ND	ND	50590	119	V,S,P,M
05/07/98	FMETL	ND	ND	ND	ND	ND	ND	ND	48050	172	V,S,P,M
08/06/98	FMETL	5.25	4.38	ND	ND	ND	ND	ND	19900	219	V,S,P,M

SOURCE: MW-19

Sampling Dates:
06/12/97 - 08/06/98

NOTES:

Page 1 of 3.

FORT MONMOUTH

GW MONITORING
Bldg. M-14

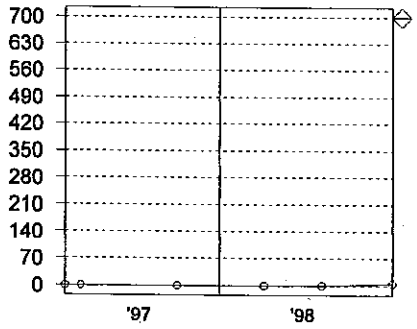
Well 1 of 3

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

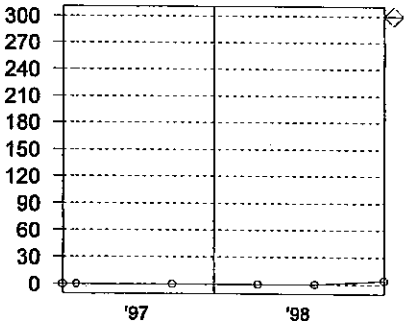
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

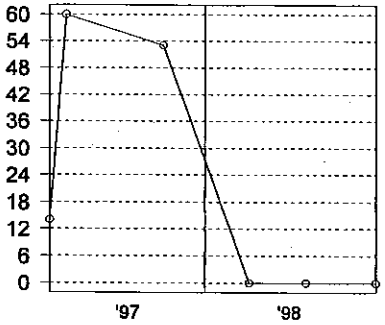
Acetone
(ug/l)



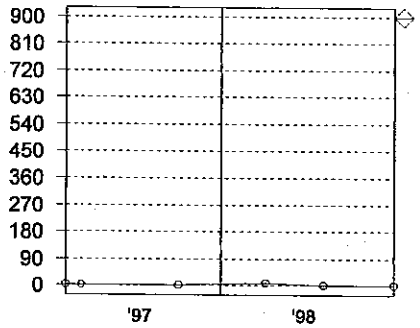
2-Butanone
(ug/l)



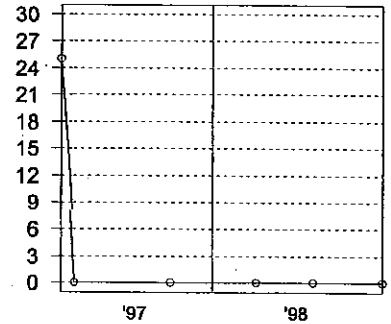
Silanol, trimethyl-
(ug/l)



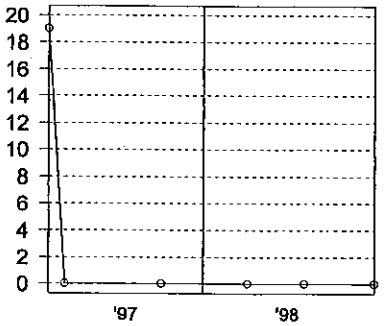
Di-n-butylphthalate
(ug/l)



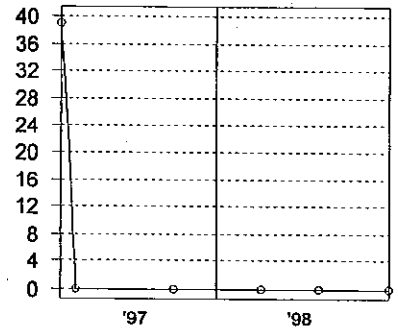
Propylene Glycol
(ug/l)



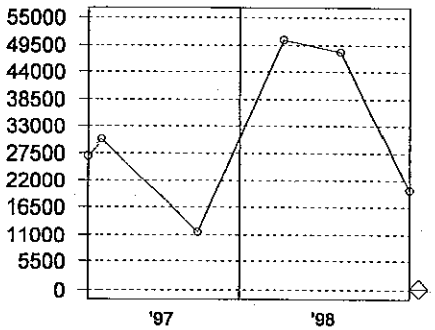
2-Pentanone, 4-hydroxy-4-methyl
(ug/l)



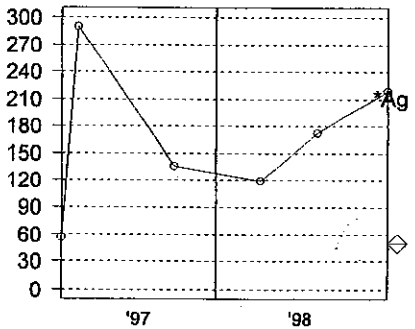
9-Octadecenamide, (Z)
(ug/l)



Iron
(ug/l)



Manganese
(ug/l)



SOURCE: MW-19

Sampling Dates:
06/12/97 - 08/06/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 3, Graph

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Silver	Aluminum	Antimony	Arsenic	Barium	Calcium	Magnesium	Nickel	Potassium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	20	200	20	8	2000	NLE	NLE	100	NLE	-
06/12/97	FMETL	33	-	-	-	-	-	-	-	-	V,S,P,M
07/03/97	FMETL	27	124.1	ND	2	70.8	27810	4280	ND	5340	V,S,P,M
11/07/97	FMETL	ND	110	ND	ND	17.4	18930	2320	ND	5660	V,S,P,M
02/23/98	FMETL	ND	76	ND	ND	46.2	20450	2420	1.2	6400	V,S,P,M
05/07/98	FMETL	ND	34.5	ND	2.6	51.1	25500	2956	1.2	8018	V,S,P,M
08/06/98	FMETL	ND	117	2.27	ND	337	29100	3200	ND	14800	V,S,P,M

SOURCE: MW-19

Sampling Dates:
06/12/97 - 08/06/98

NOTES:

Page 2 of 3.

FORT MONMOUTH

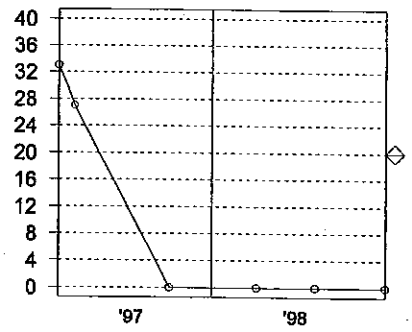
GW MONITORING
Bldg. M-14

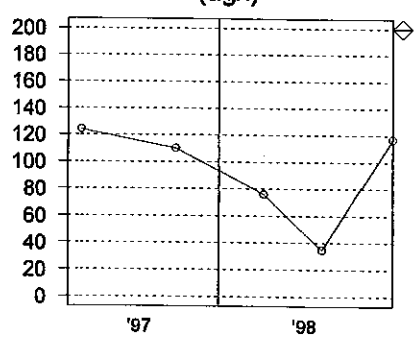
Well 1 of 3

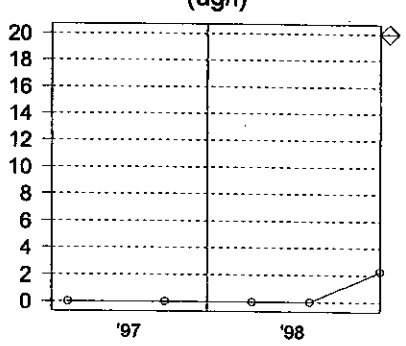
*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

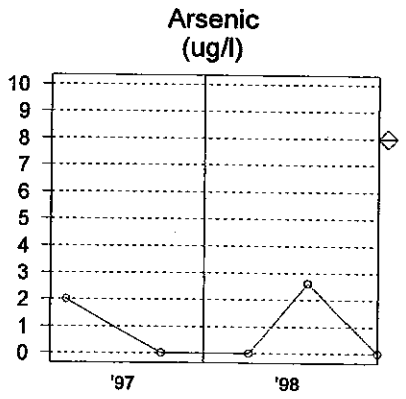
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

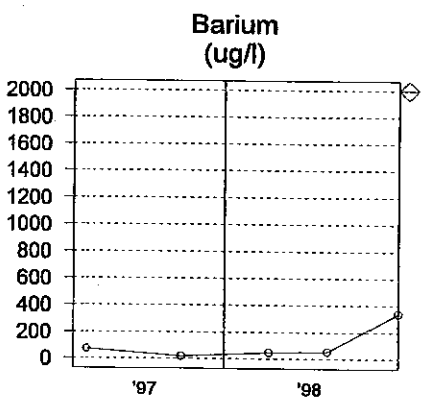
11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

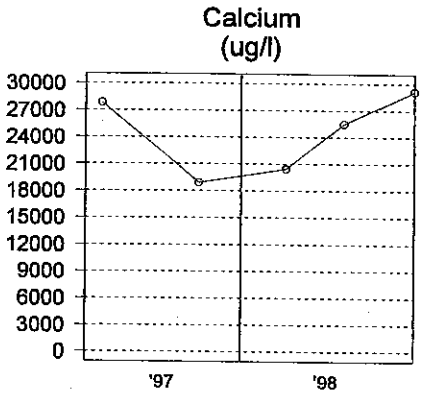


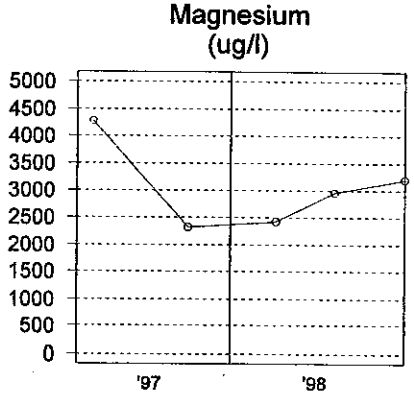


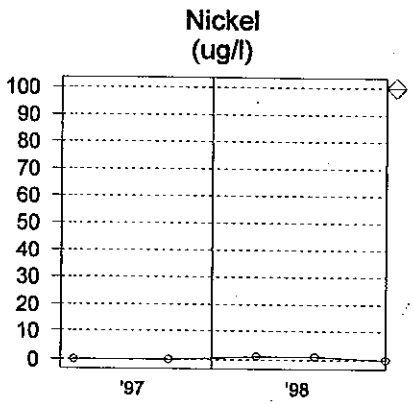


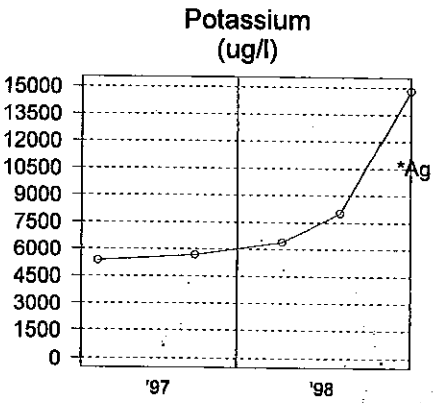












SOURCE: MW-19

Sampling Dates:
06/12/97 - 08/06/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 3, Graph

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Sodium	Zinc	Depth to Water							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	50000	5000	-							-
06/12/97	FMETL	-	-	6.90							V,S,P,M
07/03/97	FMETL	8320	21	7.20							V,S,P,M
11/07/97	FMETL	6580	67	7.35							V,S,P,M
02/23/98	FMETL	5940	21	6.40							V,S,P,M
05/07/98	FMETL	7202	23.9	6.51							V,S,P,M
08/06/98	FMETL	9130	61.3	7.84							V,S,P,M

SOURCE: MW-19

Sampling Dates:
06/12/97 - 08/06/98

NOTES:

Page 3 of 3.

FORT MONMOUTH

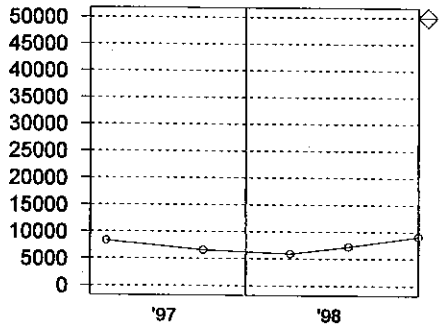
GW MONITORING
Bldg. M-14

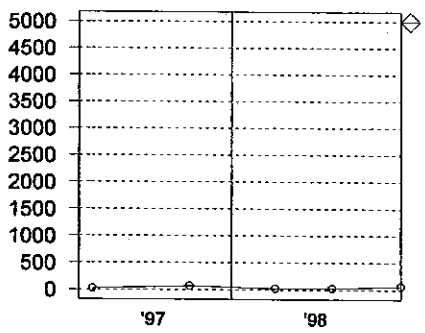
Well 1 of 3

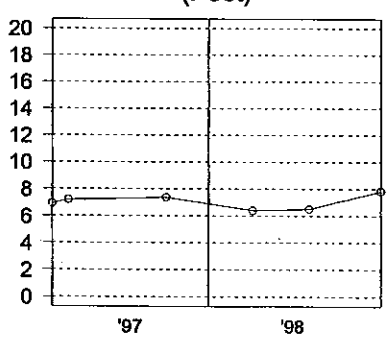
*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf







SOURCE: MW-19

Sampling Dates:
06/12/97 - 08/06/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 3, Graph

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Silanol, trimethyl-	Di-n-butyl phthalate	Phenanthrene	Propylene Glycol	2-Pentanone 4-hydroxy-4-methyl	Nonanamide	9-Octadecenamide, (Z)-	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	NLE	900	NLE	NLE	NLE	NLE	NLE	-
06/12/97	FMETL	ND	ND	5	3.86	ND	27	18	9	78	V,S,P,M
07/03/97	FMETL	ND	ND	7	1.31	0.56	ND	ND	ND	ND	V,S,P,M
11/07/97	FMETL	ND	ND	ND	2.09	ND	ND	ND	ND	ND	V,S,P,M
02/23/98	FMETL	ND	ND	ND	12.5	ND	ND	ND	ND	ND	V,S,P,M
05/07/98	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,S,P,M
08/06/98	FMETL	14.14	6.58	ND	ND	ND	ND	ND	ND	ND	V,S,P,M

SOURCE: MW-20

Sampling Dates:
06/12/97 - 08/06/98

NOTES:

Page 1 of 3.

FORT MONMOUTH

GW MONITORING
Bldg. M-14

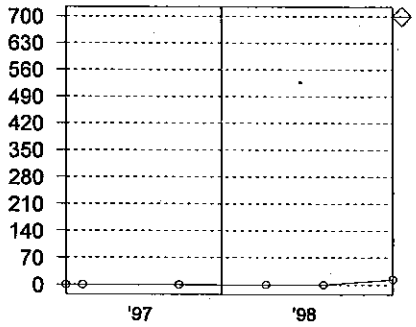
Well 2 of 3

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

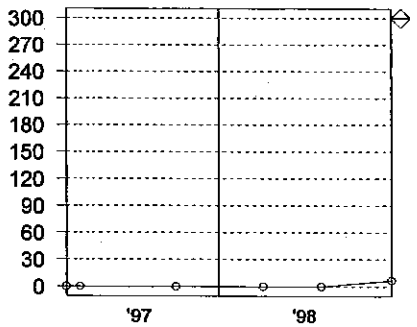
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

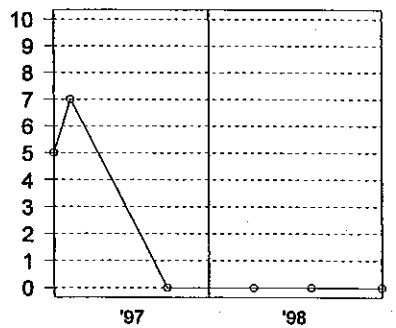
Acetone
(ug/l)



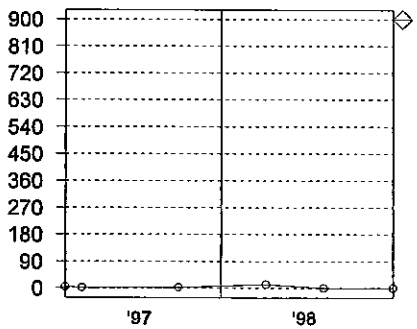
2-Butanone
(ug/l)



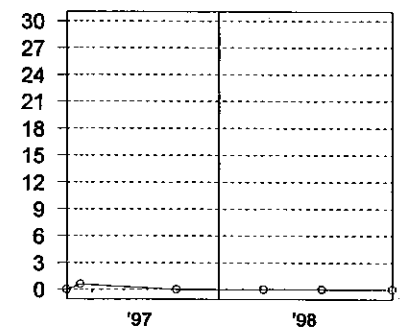
Silanol, trimethyl-
(ug/l)



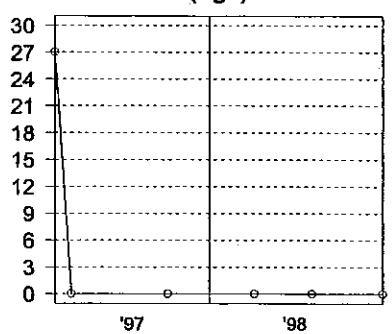
Di-n-butylphthalate
(ug/l)



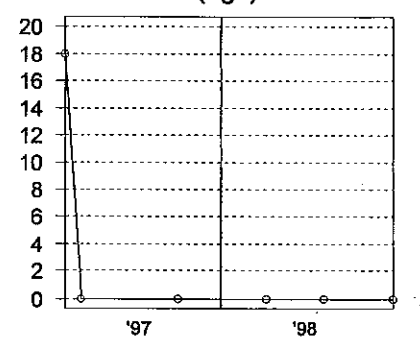
Phenanthrene
(ug/l)



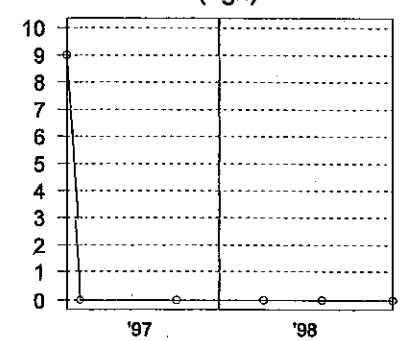
Propylene Glycol
(ug/l)



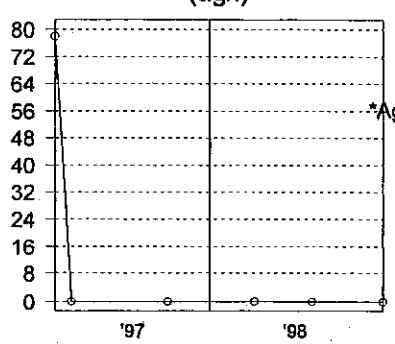
2-Pentanone, 4-hydroxy-4-methyl
(ug/l)



Nonanamide
(ug/l)



9-Octadecenamide, (Z)
(ug/l)



SOURCE: MW-20

Sampling Dates:
06/12/97 - 08/06/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Barium	Calcium	Magnesium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	300	50	20	200	20	8	2000	NLE	NLE	-
06/12/97	FMETL	6990	147	32	-	-	-	-	-	-	V,S,P,M
07/03/97	FMETL	2470	75	29	21.2	ND	2	14.6	24700	2350	V,S,P,M
11/07/97	FMETL	2330	46	ND	71	ND	ND	14	34440	2420	V,S,P,M
02/23/98	FMETL	12550	677	ND	286	ND	ND	60.4	104400	8500	V,S,P,M
05/07/98	FMETL	ND	196	ND	ND	ND	ND	25.5	63960	4130	V,S,P,M
08/06/98	FMETL	6680	61	ND	270	2.74	3.77	30.6	37300	2980	V,S,P,M

SOURCE: MW-20

Sampling Dates:
06/12/97 - 08/06/98

NOTES:

Page 2 of 3.

FORT MONMOUTH

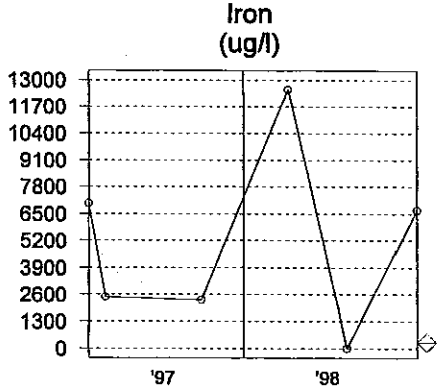
GW MONITORING
Bldg. M-14

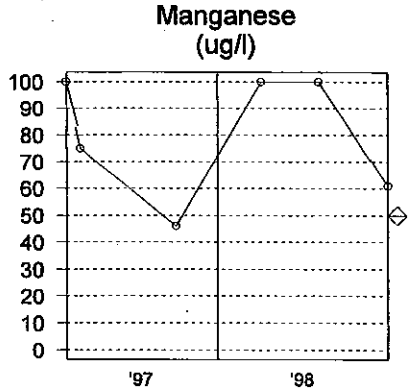
Well 2 of 3

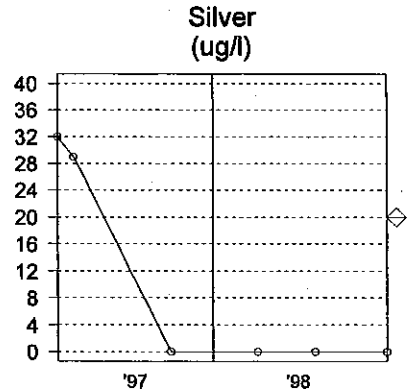
*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

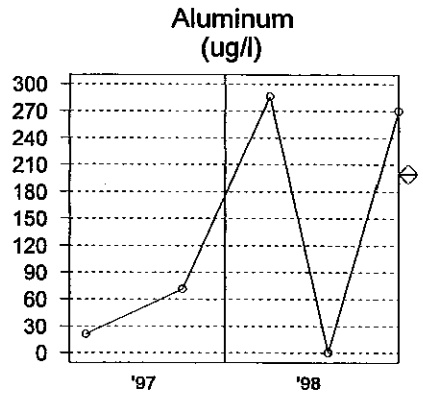
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

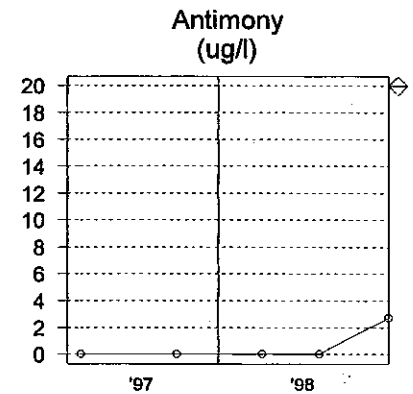
11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

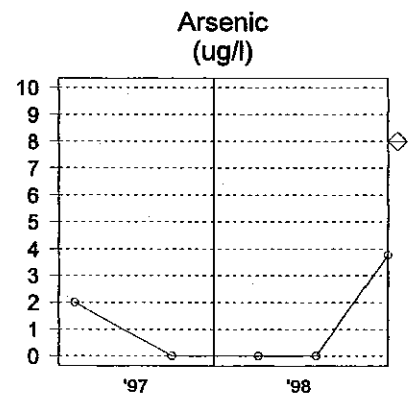


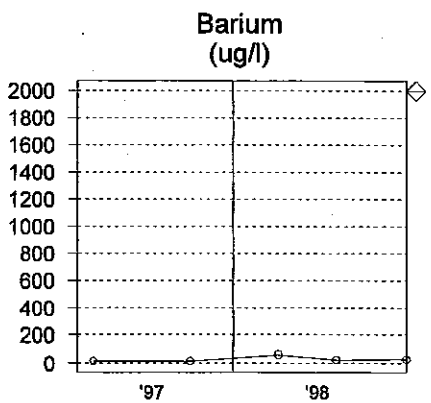


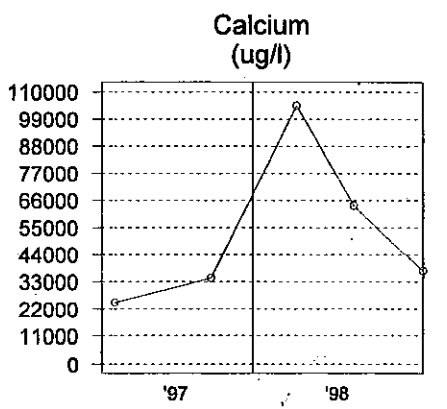


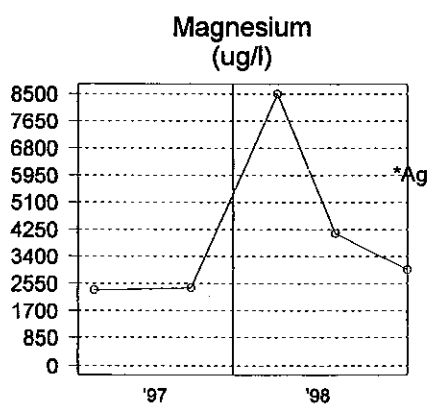












SOURCE: MW-20

Sampling Dates:
06/12/97 - 08/06/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Nickel	Potassium	Sodium	Zinc	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	100	NLE	50000	5000	-					-
06/12/97	FMETL	-	-	-	-	6.25					V,S,P,M
07/03/97	FMETL	ND	5290	6000	24	6.60					V,S,P,M
11/07/97	FMETL	ND	5080	5860	45	6.50					V,S,P,M
02/23/98	FMETL	24	9500	14860	108	5.80					V,S,P,M
05/07/98	FMETL	8.4	10450	10630	12	5.85					V,S,P,M
08/06/98	FMETL	ND	7570	6400	42.1	6.94					V,S,P,M

SOURCE: MW-20

Sampling Dates:
06/12/97 - 08/06/98

NOTES:

Page 3 of 3.

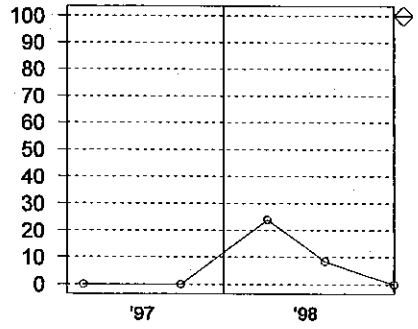
FORT MONMOUTH

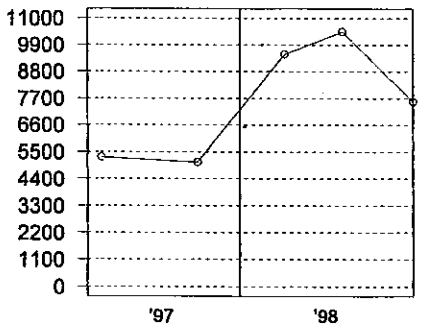
GW MONITORING
Bldg. M-14

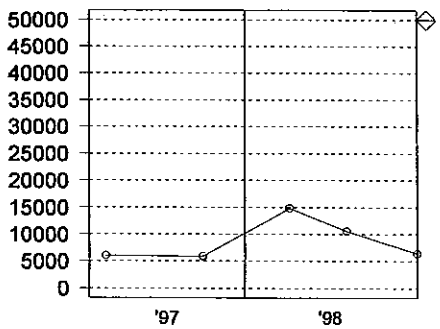
Well 2 of 3

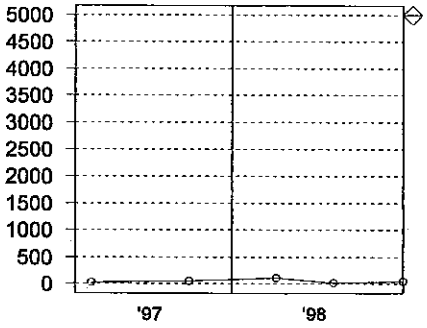
*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

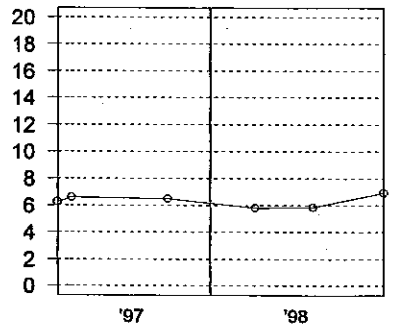
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: MW-20

Sampling Dates:
06/12/97 - 08/06/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Silanol, trimethyl-	Di-n-butyl phthalate	Propylene Glycol	2-Pentanone 4-hydroxy-4-methyl	Acenaphthene-d10	Non anamide	Iron	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	NLE	900	NLE	NLE	NLE	NLE	300	-
06/12/97	FMETL	ND	ND	10	3.66	23	16	42	38	1470	V,S,P,M
07/03/97	FMETL	ND	ND	12	3.87	ND	ND	ND	ND	940	V,S,P,M
11/07/97	FMETL	ND	ND	74	1.46	ND	ND	ND	ND	690	V,S,P,M
02/23/98	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5440	V,S.P.M
05/07/98	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	1009	V,S,P,M
08/06/98	FMETL	11.41	5.22	ND	ND	ND	ND	ND	ND	3820	V,S,P,M

SOURCE: MW-21

Sampling Dates:
06/12/97 - 08/06/98

NOTES:

Page 1 of 3.

FORT MONMOUTH

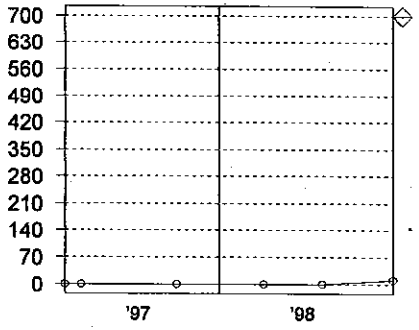
GW MONITORING
Bldg. M-14

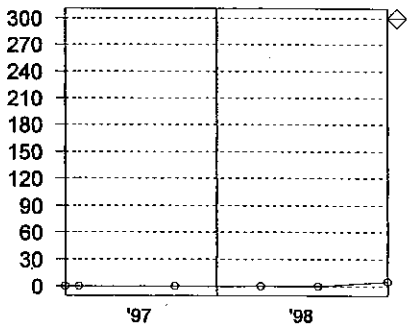
Well 3 of 3

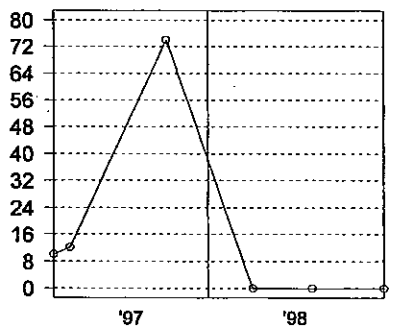
*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

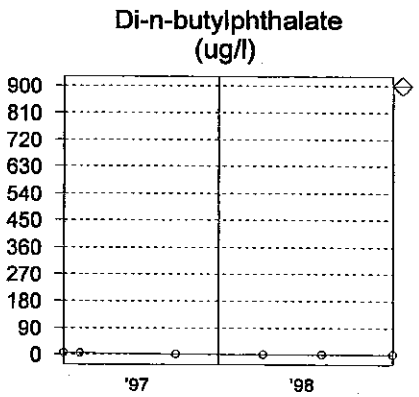
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

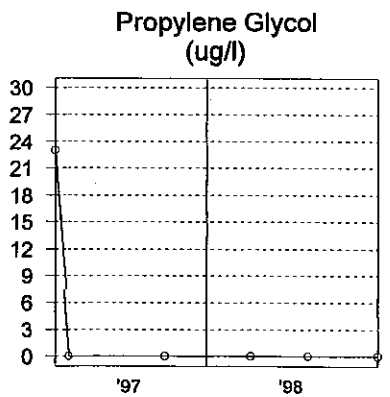
11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

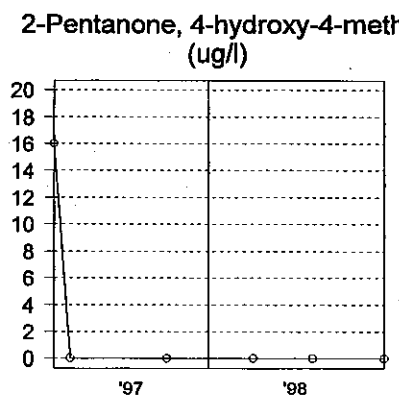


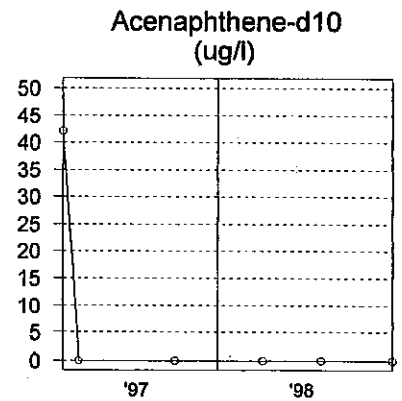


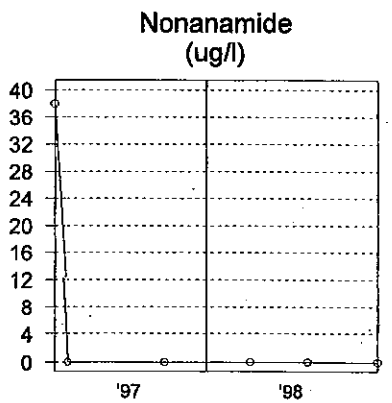


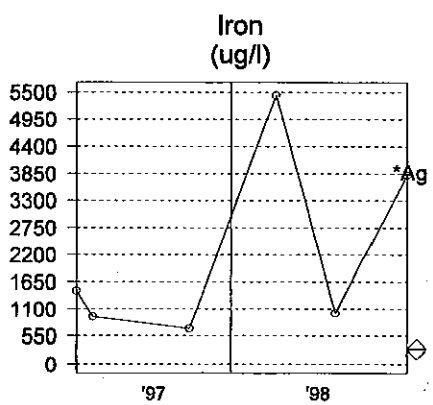












SOURCE: MW-21

Sampling Dates:
06/12/97 - 08/06/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3, Graph

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Manganese	Silver	Aluminum	Antimony	Barium	Calcium	Magnesium	Nickel	Potassium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	50	20	200	20	2000	NLE	NLE	100	NLE	-
06/12/97	FMETL	64	83	-	-	-	-	-	-	-	V,S,P,M
07/03/97	FMETL	84	56	26.8	ND	25.1	29690	4310	ND	6360	V,S,P,M
11/07/97	FMETL	58	ND	95	ND	23.6	34450	4140	5.9	6520	V,S,P,M
02/23/98	FMETL	85	ND	93	ND	97.1	48840	6670	3.8	9230	V,S.P.M
05/07/98	FMETL	54.6	ND	ND	3.4	33.1	45440	6389	1.5	10820	V,S,P,M
08/06/98	FMETL	91.9	ND	1190	3.8	43	44200	5090	1.29	12600	V,S,P,M

SOURCE: MW-21

Sampling Dates:
06/12/97 - 08/06/98

NOTES:

Page 2 of 3.

FORT MONMOUTH

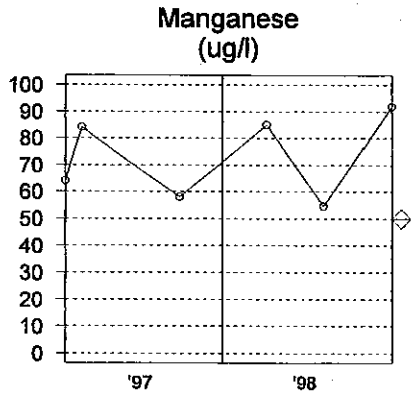
GW MONITORING
Bldg. M-14

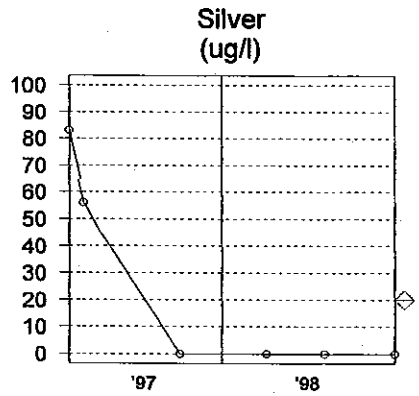
Well 3 of 3

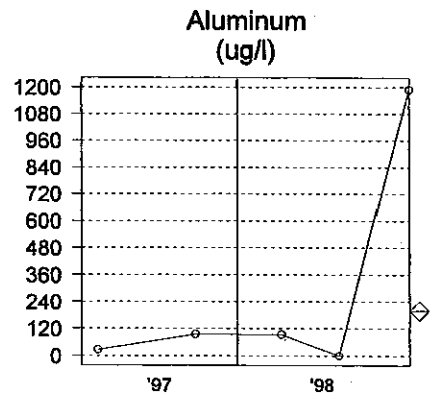
*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

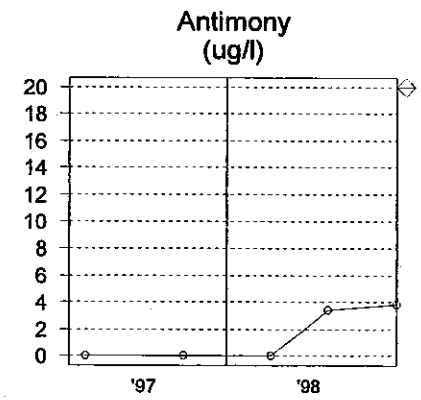
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

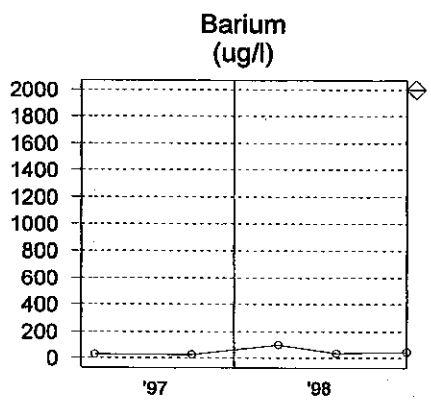
11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

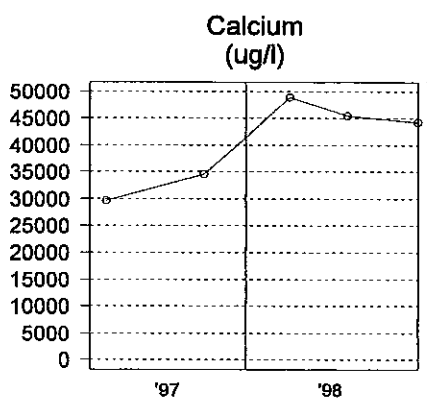


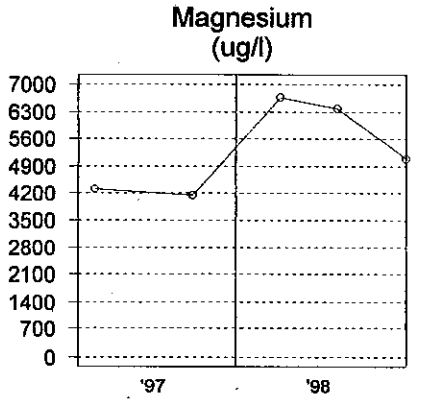


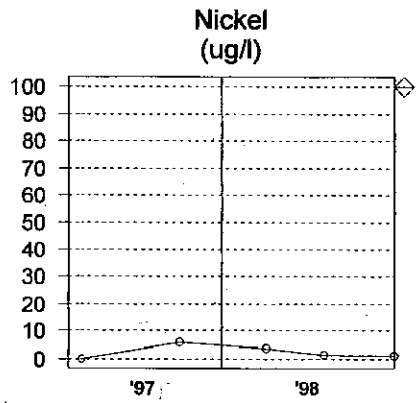


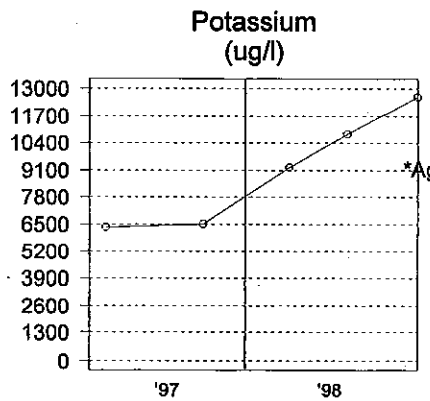












SOURCE: MW-21

Sampling Dates:
06/12/97 - 08/06/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3, Graph

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Sodium	Zinc	Depth to Water							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	50000	5000	-							-
06/12/97	FMETL	-	-	7.11							V,S,P,M
07/03/97	FMETL	6770	26	6.85							V,S,P,M
11/07/97	FMETL	10300	236	7.10							V,S,P,M
02/23/98	FMETL	25370	20	6.10							V,S.P.M
05/07/98	FMETL	11820	ND	6.22							V,S,P,M
. 08/06/98	FMETL	7930	47.5	6.83							V,S,P,M

SOURCE: MW-21

Sampling Dates:
06/12/97 - 08/06/98

NOTES:

Page 3 of 3.

FORT MONMOUTH

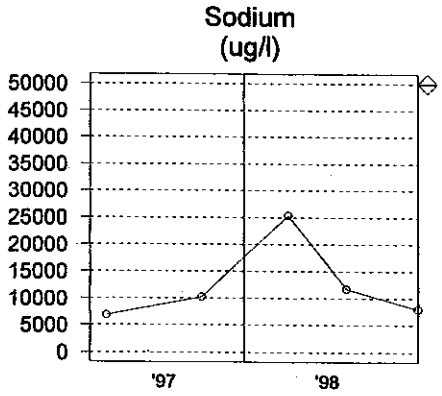
GW MONITORING
Bldg. M-14

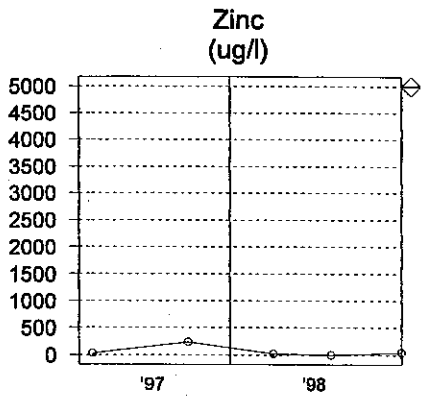
Well 3 of 3

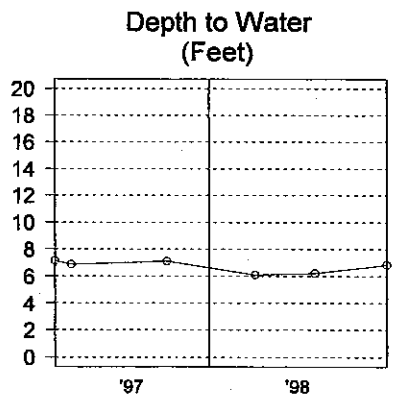
*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf







SOURCE: MW-21

Sampling Dates:
06/12/97 - 08/06/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3, Graph

*Ag in blank > GW Criteria for samples taken 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
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-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4026.02	MW-19	29-32579	11/03/98
4026.03	MW-20	29-32580	11/03/98
4026.01	MW-21	29-32581	11/03/98

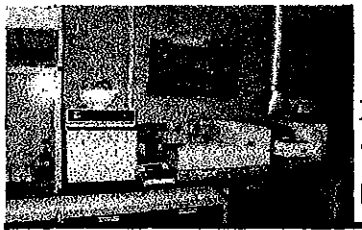
NJDEP Laboratory Certification # 13461

1-25-99
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)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: Joe Fallon
Phone #: 126223
(✓)DERA ( )OMA ( )Other:_____
Project No:
Location: M-14 mw's 4th Qtr '98
Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA's	BNA's	Pest/PCB	TAL MTLS				Hnu Read	Comments: Remarks / Preservation Method
4026.01	MW#21	11/3/98	1310	AQ	5	✓	✓	✓	✓				✓	0.0 ppm HCL/HNO3/4°C
.02	MW#19	↓	1314	↓	5	✓	✓	✓	✓				✓	2.4 ppm
.03	MW#20	↓	1337	↓	5	✓	✓	✓	✓				✓	0.0 ppm

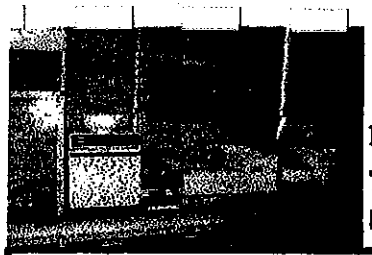
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	11/3/98 1420				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (✓)Standard, (_)Screen / non-certified
Turnaround time: (✓)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks: Blank Trip/Blank/Dup from M-12 of same date. cm
Tide: Outgoing

print legibly

coc.XLS10/28/98



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: Joe Fallon
Phone #: 532-6223
(✓)ERA ( )OMA ( )Other:_____
Project No:
Location: M-12 mw's 4th Qtr '98
Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA's	GNA's	Pest/PCB	TAL MTL				Hg Read	Comments: Remarks / Preservation Method
														HCL/HNO_3/4°C
4025.01	Trip	11/3/98	0710	AQ	2	✓								
.02	Field Blank		0915		5	✓	✓	✓	✓				✓	~~ppm~~ cpm
.03	MW #17		0936		5	✓	✓	✓	✓				✓	0.0 ppm
.04	MW #16		1007		5	✓	✓	✓	✓				✓	0.0 ppm
.05	MW #18		1043		5	✓	✓	✓	✓				✓	0.0 ppm
.06	Dupe	↓	—	↓	5	✓	✓	✓	✓					

Analysis Parameters

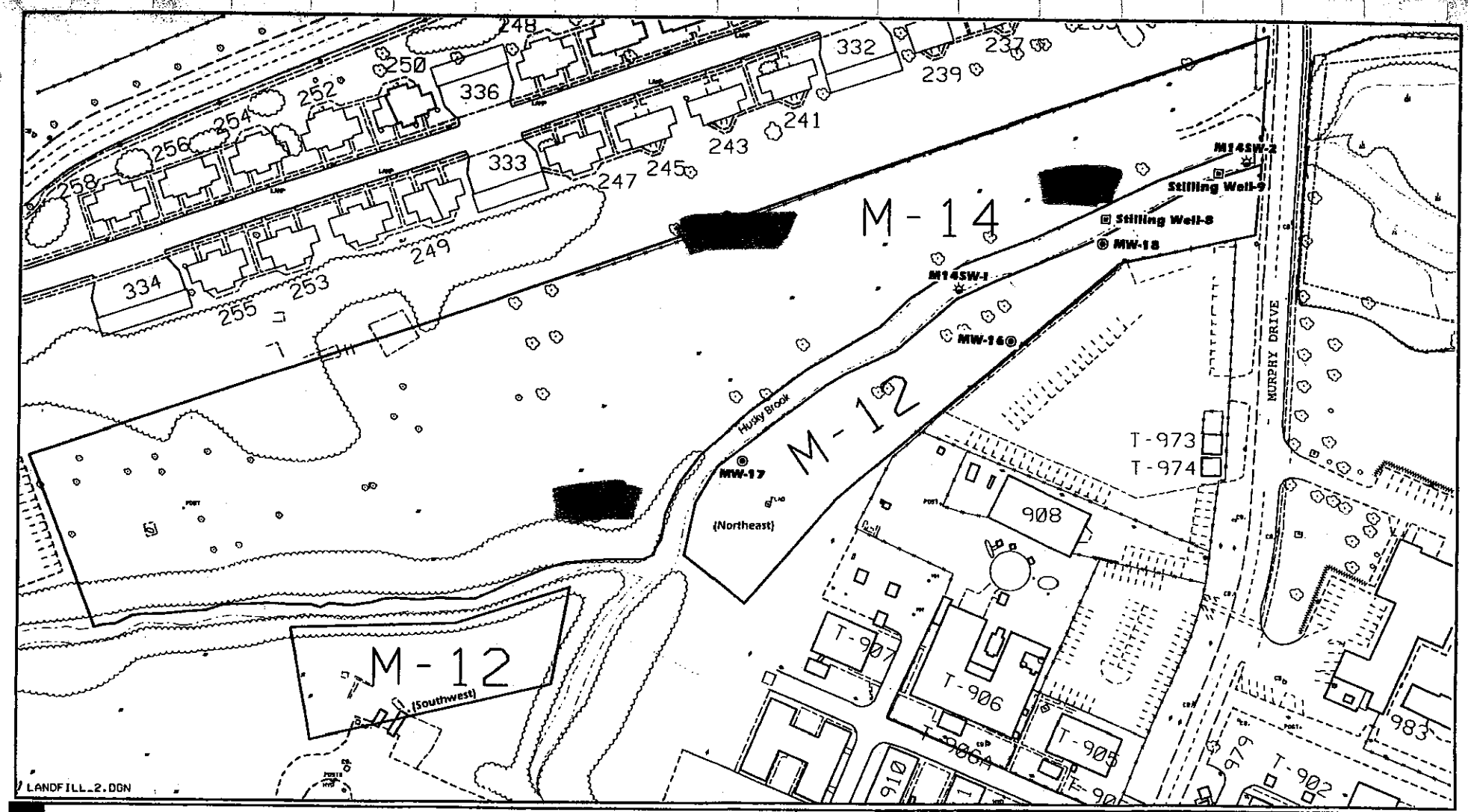
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	11/3/98 1420				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (✓)Standard, (_)Screen / non-certified
Turnaround time: (✓)Standard 4 wks, (_)Rush ___ Days, (_)ASAP Verbal ___ Hrs.

Remarks: Show temp/blanks/dup w/ MW-14 on same date. cpm
Tide High.

print legibly

coc.XLS10/28/98


M-14
M-12
M-12
(Southwest)
(Northeast)
MW-17
MW-16
MW-18
M14SW-1
M14SW-2
Stilling Well-8
Stilling Well-9
Husky Brook
MURPHY DRIVE
T-973
T-974
908
T-907
T-906
T-906A
T-905
T-902
910
979
983
248
250
252
254
256
258
336
332
237
239
241
243
333
247
245
249
334
253
255
LANDFILL_2.DGN
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
958-3186
6/23/95
Fort Monmouth, Main Post
FIGURE 4.2-15
LANDFILLS 12 (M-12) AND 14 (M-14)
SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 19
NJDEP ID #: 29-32579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11 / 3 / 98
WEATHER: Sunny, cool, breezy
TIDE: High- outgoing

ELEV. OF CASING SURVEY MARK: 9.68 ft
DEPTH TO WATER: 8.01 ft
DEPTH OF WELL: 17.50 ft
HEIGHT OF WATER: 9.49 ft
(9.49) X .65 X 3 = 18.50
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.20 gpm
Hnu READING: 2.4 ppm

PURGE START TIME: 1139
pH 6.94 su TEMP 15.5 °C
DISSOLVED O2 10.45 mg/l SPECIFIC CONDUCTIVITY 167 us/cm

PURGE END TIME: 1314
pH 6.79 su TEMP 15.3 °C
DISSOLVED O2 9.08 mg/l SPECIFIC CONDUCTIVITY 327 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.06 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

pH 6.74 su TEMP 15.1 °C
DISSOLVED O2 8.99 mg/l SPECIFIC CONDUCTIVITY 333 us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 20
NJDEP ID #: 29-32580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11 / 3 / 98
WEATHER: Sunny, cold, windy

ELEV. OF CASING SURVEY MARK: 9.29 ft
DEPTH TO WATER: 7.40 ft
DEPTH OF WELL: 16.90 ft
HEIGHT OF WATER: 9.50 ft
(9.50) X .65 X 3 = 18.50
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.18 gpm
Hnu READING: 0.0 ppm
TIDE: High - outgoing

PURGE START TIME: 1154
pH 7.82 su TEMP 15.4 °C
DISSOLVED O2 9.60 mg/l SPECIFIC CONDUCTIVITY 203 us/cm

PURGE END TIME: 1337
pH 7.03 su TEMP 15.0 °C
DISSOLVED O2 9.11 mg/l SPECIFIC CONDUCTIVITY 255 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 14.86 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

pH 6.94 su TEMP 14.8 °C
DISSOLVED O2 9.00 mg/l SPECIFIC CONDUCTIVITY 268 us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 21
NJDEP ID #: 29-32581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11 / 3 / 98
WEATHER: Sunny, cold, windy
TIDE: High - outgoing

ELEV. OF CASING SURVEY MARK: 9.57 ft
DEPTH TO WATER: 6.72 ft
DEPTH OF WELL: 19.30 ft
HEIGHT OF WATER: 12.58 ft
(12.58) X .65 X 3 = 24.53
GALLONS OF H2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 1125
pH 7.49 su TEMP 14.9 °C
DISSOLVED O2 9.33 mg/l SPECIFIC CONDUCTIVITY 253 us/cm

PURGE END TIME: 1310
pH 7.63 su TEMP 15.1 °C
DISSOLVED O2 8.30 mg/l SPECIFIC CONDUCTIVITY 254 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.08 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

pH 7.92 su TEMP 15.0 °C
DISSOLVED O2 8.23 mg/l SPECIFIC CONDUCTIVITY 255 us/cm

COMMENTS:

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

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

Data File Nam **vb02014.d**
Operator **Skelton**
Date Acquired **6 Nov 98 12:13 pm**

Sample Name **VBLK63**
Field ID **VBLK63**
Sample Multiplier **1**

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

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Vblk63**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4026 SDG No _____ Location M-14

Matrix: (soil/water) WATER Lab Sample ID: VBLK63

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02014.D

Level: (low/med) LOW Date Received: 11/03/98

% Moisture: not dec. _____ Date Analyzed: 11/06/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam vb02033.d
Operator Skelton
Date Acquired 7 Nov 98 2:28 am

Sample Name 4025.01
Field ID Trip Blank
Sample Multiplier 1

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

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4025 SDG No _____ Location M-12

Matrix: (soil/water) WATER Lab Sample ID: 4025.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02033.D

Level: (low/med) LOW Date Received: 11/03/98

% Moisture: not dec. _____ Date Analyzed: 11/07/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	vb02034.d	Sample Name	4025.02
Operator	Skelton	Field ID	Field Blank
Date Acquired	7 Nov 98 3:12 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4025 SDG No _____ Location M-12

Matrix: (soil/water) WATER Lab Sample ID: 4025.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02034.D

Level: (low/med) LOW Date Received: 11/03/98

% Moisture: not dec. _____ Date Analyzed: 11/07/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam **vb02040.d**
Operator **Skelton**
Date Acquired **7 Nov 98 7:34 am**

Sample Name **4026.02**
Field ID **MW#19**
Sample Multiplier **1**

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

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW #19

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4026 SDG No _____ Location M-14

Matrix: (soil/water) WATER Lab Sample ID: 4026.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02040.D

Level: (low/med) LOW Date Received: 11/03/98

% Moisture: not dec. _____ Date Analyzed: 11/07/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam **vb02041.d**
Operator **Skelton**
Date Acquired **7 Nov 98 8:18 am**

Sample Name **4026.03**
Field ID **MW#20**
Sample Multiplier **1**

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

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW #20

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4026 SDG No _____ Location M-14

Matrix: (soil/water) WATER Lab Sample ID: 4026.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02041.D

Level: (low/med) LOW Date Received: 11/03/98

% Moisture: not dec. _____ Date Analyzed: 11/07/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02039.d**	Sample Name	**4026.01**
Operator	**Skelton**	Field ID	**MW#21**
Date Acquired	**7 Nov 98 6:51 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	10.51	47550	6.57 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW #21

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4026 SDG No _____ Location M-14

Matrix: (soil/water) WATER Lab Sample ID: 4026.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02039.D

Level: (low/med) LOW Date Received: 11/03/98

% Moisture: not dec. _____ Date Analyzed: 11/07/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Name	**bna01232.d**	Sample Name	**Sblk161**
Operator	**Skelton**	Misc Info	**Sblk161 A 981106**
Date Acquired	**10 Nov 1998 2:02 am**	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	2.52	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	2.64	ug/L	
62-53-3	Aniline			not detected	NLE	2.90	ug/L	
108-95-2	Phenol			not detected	4000	1.11	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	2.45	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.92	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.65	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.50	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	2.09	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.44	ug/L	
	2-Methylphenol			not detected	NLE	2.09	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	2.96	ug/L	
	4-Methylphenol			not detected	NLE	1.72	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	2.22	ug/L	
67-72-1	Hexachloroethane			not detected	10	2.59	ug/L	
98-95-3	Nitrobenzene			not detected	10	2.45	ug/L	
78-59-1	Isophorone			not detected	100	2.31	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.72	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.42	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	2.54	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.79	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.71	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	2.58	ug/L	
91-20-3	Naphthalene			not detected	NLE	3.03	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	2.55	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.64	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.46	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	2.49	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.59	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.66	ug/L	
	2,4,5-Trichlorophenol			not detected	700	1.63	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	2.15	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.62	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	2.74	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	2.35	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.54	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.62	ug/L	
83-32-9	Acenaphthene			not detected	400	1.98	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.65	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	2.13	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.31	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**bna01232.d**	Sample Name	**Sblk161**
Operator	**Skelton**	Misc Info	**Sblk161 A 981106**
Date Acquired	**10 Nov 1998 2:02 am**	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.22	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.68	ug/L	
86-73-7	Fluorene			not detected	300	1.93	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.53	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.70	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.58	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.73	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.92	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.54	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.88	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.55	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.67	ug/L	
120-12-7	Anthracene			not detected	2000	1.79	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.83	ug/L	
206-44-0	Fluoranthene			not detected	300	1.85	ug/L	
92-87-5	Benzidine			not detected	50	4.11	ug/L	
129-00-0	Pyrene			not detected	200	1.02	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.15	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.57	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	2.28	ug/L	
218-01-9	Chrysene			not detected	20	2.32	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.29	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.30	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.31	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.57	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.36	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.22	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	3.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.13	ug/L	

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

Qualifiers

E = Value exceeded 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 FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Sblk161

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4026 Location M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Sblk161

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA01232.D

Level: (low/med) LOW Date Received: 11/03/98

% Moisture: decanted: (Y/N) N Date Extracted: 11/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/10/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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	bna01234.d	Sample Name	4025.02
Operator	Skelton	Misc Info	Field Blank
Date Acquired	10 Nov 1998 3:24 am	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	2.52	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	2.64	ug/L	
62-53-3	Aniline			not detected	NLE	2.90	ug/L	
108-95-2	Phenol			not detected	4000	1.11	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	2.45	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.92	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.65	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.50	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	2.09	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.44	ug/L	
	2-Methylphenol			not detected	NLE	2.09	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	2.96	ug/L	
	4-Methylphenol			not detected	NLE	1.72	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	2.22	ug/L	
67-72-1	Hexachloroethane			not detected	10	2.59	ug/L	
98-95-3	Nitrobenzene			not detected	10	2.45	ug/L	
78-59-1	Isophorone			not detected	100	2.31	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.72	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.42	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	2.54	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.79	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.71	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	2.58	ug/L	
91-20-3	Naphthalene			not detected	NLE	3.03	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	2.55	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.64	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.46	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	2.49	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.59	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.66	ug/L	
	2,4,5-Trichlorophenol			not detected	700	1.63	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	2.15	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.62	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	2.74	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	2.35	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.54	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.62	ug/L	
83-32-9	Acenaphthene			not detected	400	1.98	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.65	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	2.13	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.31	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	baa01234.d	Sample Name	4025.02
Operator	Skelton	Misc Info	Field Blank
Date Acquired	10 Nov 1998 3:24 am	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.22	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.68	ug/L	
86-73-7	Fluorene			not detected	300	1.93	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.53	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.70	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.58	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.73	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.92	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.54	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.88	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.55	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.67	ug/L	
120-12-7	Anthracene			not detected	2000	1.79	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.83	ug/L	
206-44-0	Fluoranthene			not detected	300	1.85	ug/L	
92-87-5	Benzidine			not detected	50	4.11	ug/L	
129-00-0	Pyrene			not detected	200	1.02	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.15	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.57	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	2.28	ug/L	
218-01-9	Chrysene			not detected	20	2.32	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	24.71	193346	5.90 ug/L	30	1.29	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.30	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.31	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.57	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.36	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.22	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	3.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.13	ug/L	

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

Qualifiers

E = Value exceeded 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 FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4025 Location M12 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4025.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA01234.D

Level: (low/med) LOW Date Received: 11/03/98

% Moisture: decanted: (Y/N) N Date Extracted: 11/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/10/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	23.23	8	J
2.	unknown	26.40	14	J

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

Data File Name	bna01240.d	Sample Name	4026.02
Operator	Skelton	Misc Info	MW#19
Date Acquired	10 Nov 1998 7:29 am	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	2.52	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	2.64	ug/L	
62-53-3	Aniline			not detected	NLE	2.90	ug/L	
108-95-2	Phenol			not detected	4000	1.11	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	2.45	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.92	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.65	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.50	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	2.09	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.44	ug/L	
	2-Methylphenol			not detected	NLE	2.09	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	2.96	ug/L	
	4-Methylphenol			not detected	NLE	1.72	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	2.22	ug/L	
67-72-1	Hexachloroethane			not detected	10	2.59	ug/L	
98-95-3	Nitrobenzene			not detected	10	2.45	ug/L	
78-59-1	Isophorone			not detected	100	2.31	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.72	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.42	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	2.54	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.79	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.71	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	2.58	ug/L	
91-20-3	Naphthalene			not detected	NLE	3.03	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	2.55	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.64	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.46	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	2.49	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.59	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.66	ug/L	
	2,4,5-Trichlorophenol			not detected	700	1.63	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	2.15	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.62	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	2.74	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	2.35	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.54	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.62	ug/L	
83-32-9	Acenaphthene			not detected	400	1.98	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.65	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	2.13	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.31	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**bna01240.d**	Sample Name	**4026.02**
Operator	**Skelton**	Misc Info	**MW#19**
Date Acquired	**10 Nov 1998 7:29 am**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.22	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.68	ug/L	
86-73-7	Fluorene			not detected	300	1.93	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.53	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.70	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.58	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.73	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.92	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.54	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.88	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.55	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.67	ug/L	
120-12-7	Anthracene			not detected	2000	1.79	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.83	ug/L	
206-44-0	Fluoranthene			not detected	300	1.85	ug/L	
92-87-5	Benzidine			not detected	50	4.11	ug/L	
129-00-0	Pyrene			not detected	200	1.02	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.15	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.57	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	2.28	ug/L	
218-01-9	Chrysene			not detected	20	2.32	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.29	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.30	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.31	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.57	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.36	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.22	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	3.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.13	ug/L	

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

Qualifiers

E = Value exceded 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 FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW#19

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4026 Location M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4026.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA01240.D

Level: (low/med) LOW Date Received: 11/03/98

% Moisture: decanted: (Y/N) N Date Extracted: 11/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/10/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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	**bna01241.d**	Sample Name	**4026.03**
Operator	**Skelton**	Misc Info	**MW#20**
Date Acquired	**10 Nov 1998 8:10 am**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	2.52	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	2.64	ug/L	
62-53-3	Aniline			not detected	NLE	2.90	ug/L	
108-95-2	Phenol			not detected	4000	1.11	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	2.45	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.92	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.65	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.50	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	2.09	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.44	ug/L	
	2-Methylphenol			not detected	NLE	2.09	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	2.96	ug/L	
	4-Methylphenol			not detected	NLE	1.72	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	2.22	ug/L	
67-72-1	Hexachloroethane			not detected	10	2.59	ug/L	
98-95-3	Nitrobenzene			not detected	10	2.45	ug/L	
78-59-1	Isophorone			not detected	100	2.31	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.72	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.42	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	2.54	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.79	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.71	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	2.58	ug/L	
91-20-3	Naphthalene			not detected	NLE	3.03	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	2.55	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.64	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.46	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	2.49	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.59	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.66	ug/L	
	2,4,5-Trichlorophenol			not detected	700	1.63	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	2.15	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.62	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	2.74	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	2.35	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.54	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.62	ug/L	
83-32-9	Acenaphthene			not detected	400	1.98	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.65	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	2.13	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.31	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**bna01241.d**	Sample Name	**4026.03**
Operator	**Skelton**	Misc Info	**MW#20**
Date Acquired	**10 Nov 1998 8:10 am**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.22	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.68	ug/L	
86-73-7	Fluorene			not detected	300	1.93	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.53	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.70	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.58	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.73	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.92	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.54	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.88	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.55	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.67	ug/L	
120-12-7	Anthracene			not detected	2000	1.79	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.83	ug/L	
206-44-0	Fluoranthene			not detected	300	1.85	ug/L	
92-87-5	Benzidine			not detected	50	4.11	ug/L	
129-00-0	Pyrene			not detected	200	1.02	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.15	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.57	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	2.28	ug/L	
218-01-9	Chrysene			not detected	20	2.32	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.29	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.30	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.31	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.57	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.36	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.22	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	3.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.13	ug/L	

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

Qualifiers

E = Value exceded 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 FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW#20

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4026 Location M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4026.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA01241.D

Level: (low/med) LOW Date Received: 11/03/98

% Moisture: decanted: (Y/N) N Date Extracted: 11/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/10/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	26.39	11	J

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

Data File Name	**bna01239.d**	Sample Name	**4026.01**
Operator	**Skelton**	Misc Info	**MW#21**
Date Acquired	**10 Nov 1998 6:48 am**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	2.52	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	2.64	ug/L	
62-53-3	Aniline			not detected	NLE	2.90	ug/L	
108-95-2	Phenol			not detected	4000	1.11	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	2.45	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.92	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.65	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.50	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	2.09	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.44	ug/L	
	2-Methylphenol			not detected	NLE	2.09	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	2.96	ug/L	
	4-Methylphenol			not detected	NLE	1.72	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	2.22	ug/L	
67-72-1	Hexachloroethane			not detected	10	2.59	ug/L	
98-95-3	Nitrobenzene			not detected	10	2.45	ug/L	
78-59-1	Isophorone			not detected	100	2.31	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.72	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.42	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	2.54	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.79	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.71	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	2.58	ug/L	
91-20-3	Naphthalene			not detected	NLE	3.03	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	2.55	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.64	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.46	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	2.49	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.59	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.66	ug/L	
	2,4,5-Trichlorophenol			not detected	700	1.63	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	2.15	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.62	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	2.74	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	2.35	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.54	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.62	ug/L	
83-32-9	Acenaphthene			not detected	400	1.98	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.65	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	2.13	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.31	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**bna01239.d**	Sample Name	**4026.01**
Operator	**Skelton**	Misc Info	**MW#21**
Date Acquired	**10 Nov 1998 6:48 am**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.22	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.68	ug/L	
86-73-7	Fluorene			not detected	300	1.93	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.53	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.70	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.58	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.73	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.92	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.54	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.88	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.55	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.67	ug/L	
120-12-7	Anthracene			not detected	2000	1.79	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.83	ug/L	
206-44-0	Fluoranthene			not detected	300	1.85	ug/L	
92-87-5	Benzidine			not detected	50	4.11	ug/L	
129-00-0	Pyrene			not detected	200	1.02	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.15	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.57	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	2.28	ug/L	
218-01-9	Chrysene			not detected	20	2.32	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.29	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.30	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.31	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.57	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.36	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.22	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	3.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.13	ug/L	

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

Qualifiers

E = Value exceded 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 FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW#21

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4026 Location M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4026.01

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA01239.D

Level: (low/med) LOW Date Received: 11/03/98

% Moisture: decanted: (Y/N) N Date Extracted: 11/06/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/10/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	26.39	10	J

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

Client :	U.S. Army	**Lab. ID # :**	BLK232
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	11/5/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/98
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

Client :	U.S. Army	**Lab. ID # :**	4025.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/3/98
	Bldg. 173	**Extraction Date:**	11/5/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/98
Analysis:	EPA Method 608	**Location :**	M-12
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25

Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

Client :	U.S. Army	**Lab. ID # :**	4026.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/3/98
	Bldg. 173	**Extraction Date:**	11/5/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/98
Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

Client :	U.S. Army	**Lab. ID # :**	4026.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/3/98
	Bldg. 173	**Extraction Date:**	11/5/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/98
Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1	18.32	0.10	0.0022	**0.030**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

Client :	U.S. Army	**Lab. ID # :**	4026.01
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/3/98
	Bldg. 173	**Extraction Date:**	11/5/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/98
Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

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

Lab ID #: 4026
Sample Prepared: 12/01/98

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/01/98	46.3	200	10.0
Antimony	12/01/98	2.50	20	2.0
Arsenic	12/01/98	ND	8	2.0
Barium	12/01/98	1.61	2000	0.5
Beryllium	12/01/98	ND	20	0.5
Cadmium	12/01/98	ND	4	0.5
Calcium	12/01/98	110	NLE	20.0
Chromium	12/01/98	ND	100	0.5
Cobalt	12/01/98	ND	NLE	0.5
Copper	12/01/98	ND	1000	3.0
Iron	12/01/98	84.3	300	10.0
Lead	12/01/98	ND	10	2.0
Magnesium	12/01/98	87.1	NLE	20.0
Manganese	12/01/98	ND	50	0.5
Mercury	11/04/98	ND	2	0.1
Nickel	12/01/98	1.10	100	0.5
Potassium	12/01/98	31.3	NLE	20.0
Selenium	12/01/98	ND	50	3.0
Silver	12/01/98	ND	20	3.0
Sodium	12/01/98	1020	50000	20.0
Thallium	12/01/98	ND	10	3.0
Vanadium	12/01/98	ND	NLE	1.0
Zinc	12/01/98	ND	5000	1.0

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 #: 4025.02
Sample Received: 11/03/98
Sample Matrix: Aqueous

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/01/98	ND	200	10.0
Antimony	12/01/98	2.54	20	2.0
Arsenic	12/01/98	ND	8	2.0
Barium	12/01/98	1.24	2000	0.5
Beryllium	12/01/98	ND	20	0.5
Cadmium	12/01/98	ND	4	0.5
Calcium	12/01/98	145	NLE	20.0
Chromium	12/01/98	ND	100	0.5
Cobalt	12/01/98	ND	NLE	0.5
Copper	12/01/98	69.0	1000	3.0
Iron	12/01/98	37.0	300	10.0
Lead	12/01/98	ND	10	2.0
Magnesium	12/01/98	80.8	NLE	20.0
Manganese	12/01/98	1.41	50	0.5
Mercury	11/04/98	ND	2	0.1
Nickel	12/01/98	1.63	100	0.5
Potassium	12/01/98	ND	NLE	20.0
Selenium	12/01/98	ND	50	3.0
Silver	12/01/98	ND	20	3.0
Sodium	12/01/98	297	50000	20.0
Thallium	12/01/98	ND	10	3.0
Vanadium	12/01/98	ND	NLE	1.0
Zinc	12/01/98	53.4	5000	1.0

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 #: 4026.02
Sample Received: 11/03/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/01/98	25.4	200	10.0
Antimony	12/01/98	3.23	20	2.0
Arsenic	12/01/98	ND	8	2.0
Barium	12/01/98	13.8	2000	0.5
Beryllium	12/01/98	ND	20	0.5
Cadmium	12/01/98	3.44	4	0.5
Calcium	12/01/98	19100	NLE	20.0
Chromium	12/01/98	1.11	100	0.5
Cobalt	12/01/98	ND	NLE	0.5
Copper	12/01/98	24.2	1000	3.0
Iron	12/01/98	14700	300	10.0
Lead	12/01/98	5.15	10	2.0
Magnesium	12/01/98	2530	NLE	20.0
Manganese	12/01/98	100	50	0.5
Mercury	11/04/98	ND	2	0.1
Nickel	12/01/98	5.69	100	0.5
Potassium	12/01/98	28700	NLE	20.0
Selenium	12/01/98	ND	50	3.0
Silver	12/01/98	ND	20	3.0
Sodium	12/01/98	5360	50000	20.0
Thallium	12/01/98	ND	10	3.0
Vanadium	12/01/98	ND	NLE	1.0
Zinc	12/01/98	72.6	5000	1.0

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 #: 4026.03
Sample Received: 11/03/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW #20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/01/98	67.8	200	10.0
Antimony	12/01/98	ND	20	2.0
Arsenic	12/01/98	3.94	8	2.0
Barium	12/01/98	17.7	2000	0.5
Beryllium	12/01/98	ND	20	0.5
Cadmium	12/01/98	ND	4	0.5
Calcium	12/01/98	41300	NLE	20.0
Chromium	12/01/98	1.89	100	0.5
Cobalt	12/01/98	ND	NLE	0.5
Copper	12/01/98	ND	1000	3.0
Iron	12/01/98	3360	300	10.0
Lead	12/01/98	ND	10	2.0
Magnesium	12/01/98	2730	NLE	20.0
Manganese	12/01/98	57.8	50	0.5
Mercury	11/04/98	ND	2	0.1
Nickel	12/01/98	2.59	100	0.5
Potassium	12/01/98	6110	NLE	20.0
Selenium	12/01/98	ND	50	3.0
Silver	12/01/98	ND	20	3.0
Sodium	12/01/98	5760	50000	20.0
Thallium	12/01/98	ND	10	3.0
Vanadium	12/01/98	ND	NLE	1.0
Zinc	12/01/98	17.4	5000	1.0

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 #: 4026.01
Sample Received: 11/03/98
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: MW-21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/01/98	93.0	200	10.0
Antimony	12/01/98	ND	20	2.0
Arsenic	12/01/98	ND	8	2.0
Barium	12/01/98	73.4	2000	0.5
Beryllium	12/01/98	ND	20	0.5
Cadmium	12/01/98	ND	4	0.5
Calcium	12/01/98	86800	NLE	20.0
Chromium	12/01/98	3.90	100	0.5
Cobalt	12/01/98	ND	NLE	0.5
Copper	12/01/98	7.03	1000	3.0
Iron	12/01/98	831	300	10.0
Lead	12/01/98	ND	10	2.0
Magnesium	12/01/98	9390	NLE	20.0
Manganese	12/01/98	117	50	0.5
Mercury	11/04/98	ND	2	0.1
Nickel	12/01/98	2.19	100	0.5
Potassium	12/01/98	11300	NLE	20.0
Selenium	12/01/98	ND	50	3.0
Silver	12/01/98	ND	20	3.0
Sodium	12/01/98	38800	50000	20.0
Thallium	12/01/98	ND	10	3.0
Vanadium	12/01/98	1.88	NLE	1.0
Zinc	12/01/98	ND	5000	1.0

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

	Laboratory	Acetone	2-Butanone	Silanol, trimethyl-	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	NLE	900	300	50	20	200	20	-
06/12/97	FMETL	ND	ND	14	2.06	27000	57	33	-	-	V,S,P,M
07/03/97	FMETL	ND	ND	60	1.04	30300	290	27	124.1	ND	V,S,P,M
11/07/97	FMETL	ND	ND	53	1.60	11600	136	ND	110	ND	V,S,P,M
02/23/98	FMETL	ND	ND	ND	7.20	50590	119	ND	76	ND	V,S,P,M
05/07/98	FMETL	ND	ND	ND	ND	48050	172	ND	34.5	ND	V,S,P,M
08/06/98	FMETL	5.25	4.38	ND	ND	19900	219	ND	117	2.27	V,S,P,M
11/03/98	FMETL	ND	ND	ND	ND	14700	100	ND	25.4	3.23	V,S,P,M

SOURCE: MW-19

Sampling Dates:
06/12/97 - 11/03/98

NOTES:

Page 1 of 2.

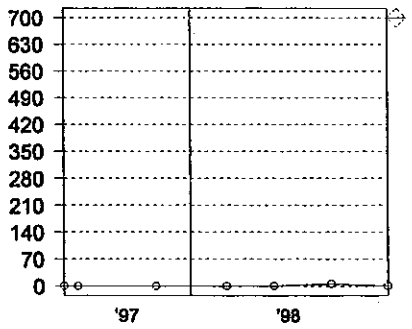
FORT MONMOUTH

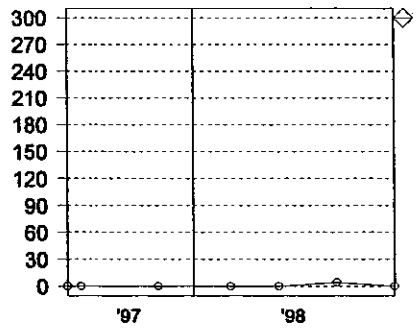
GW MONITORING
Bldg. M-14

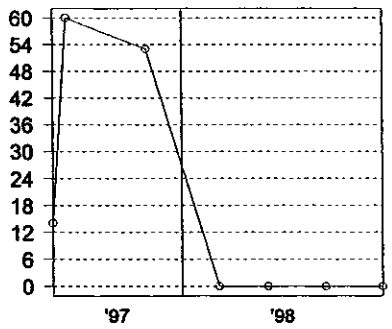
Well 1 of 3

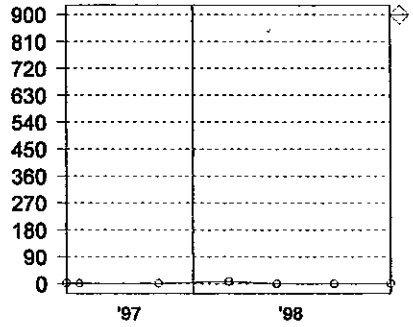
*Ag in blank > GW Criteria for 6/97 & 7/97.

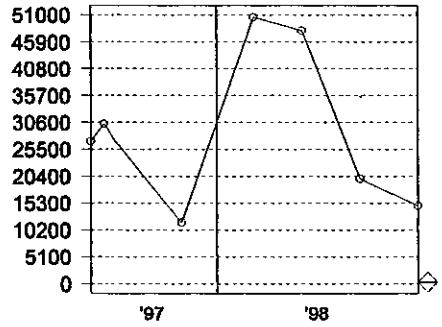
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

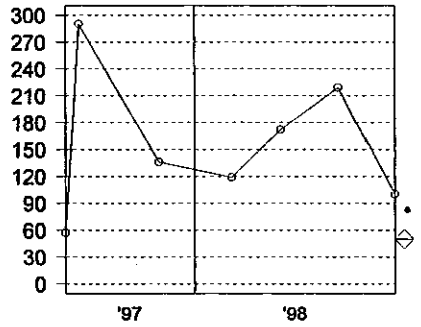


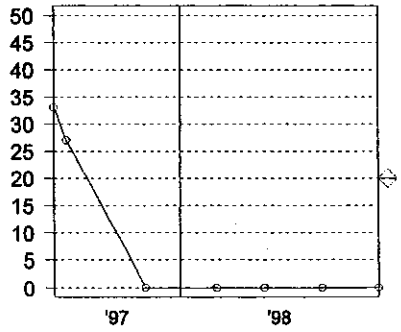


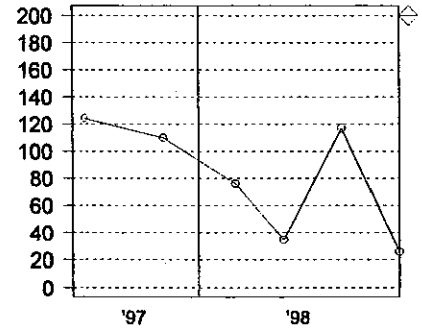


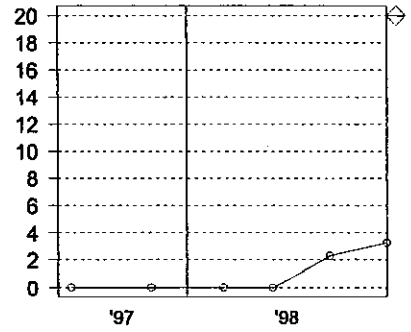












SOURCE: MW-19

Sampling Dates:
06/12/97 - 11/03/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-14-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Arsenic	Barium	Calcium	Magnesium	Nickel	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:	-	8	2000	NLE	NLE	100	NLE	50000	5000	-	-
06/12/97	FMETL	-	-	-	-	-	-	-	-	6.90	V,S,P,M
07/03/97	FMETL	2	70.8	27810	4280	ND	5340	8320	21	7.20	V,S,P,M
11/07/97	FMETL	ND	17.4	18930	2320	ND	5660	6580	67	7.35	V,S,P,M
02/23/98	FMETL	ND	46.2	20450	2420	1.2	6400	5940	21	6.40	V,S,P,M
05/07/98	FMETL	2.6	51.1	25500	2956	1.2	8018	7202	23.9	6.51	V,S,P,M
08/06/98	FMETL	ND	337	29100	3200	ND	14800	9130	61.3	7.84	V,S,P,M
11/03/98	FMETL	ND	13.8	19100	2530	5.69	28700	5360	72.6	8.01	V,S,P,M

SOURCE: MW-19

Sampling Dates:
06/12/97 - 11/03/98

NOTES:

Page 2 of 2.

FORT MONMOUTH

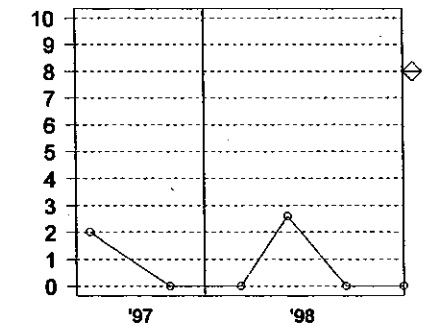
GW MONITORING
Bldg. M-14

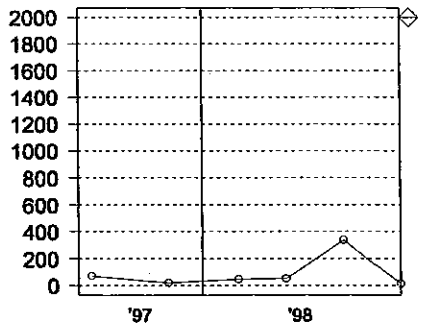
Well 1 of 3

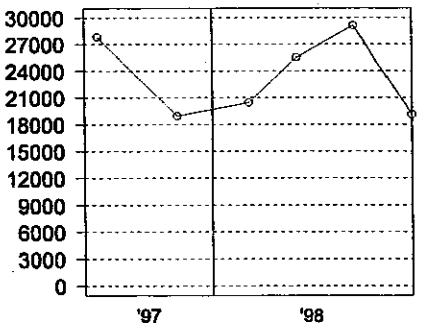
*Ag in blank > GW Criteria for 6/97 & 7/97.

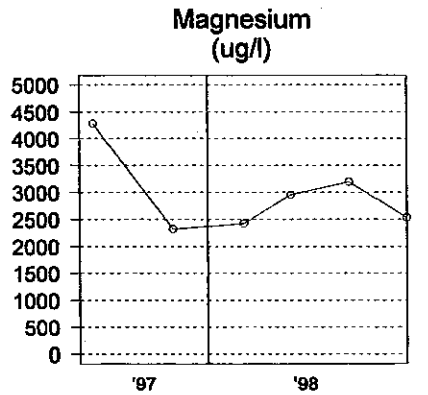
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

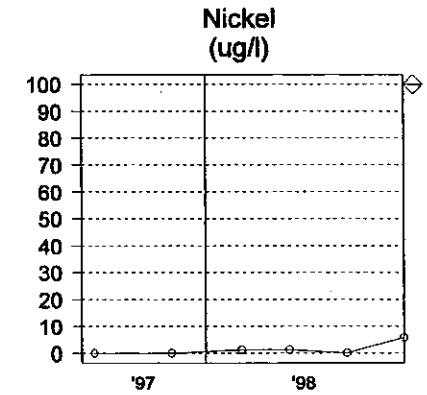
12-14-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

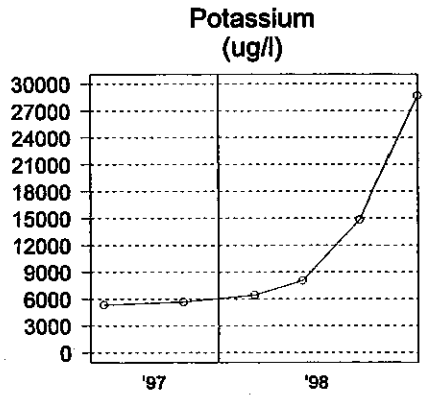


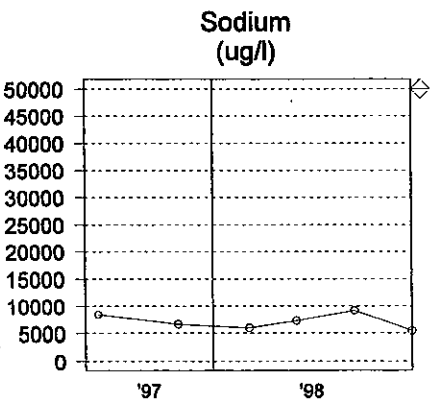


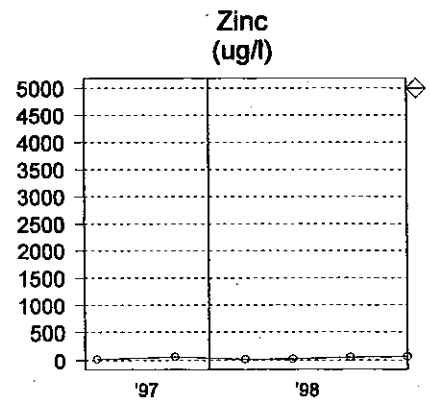


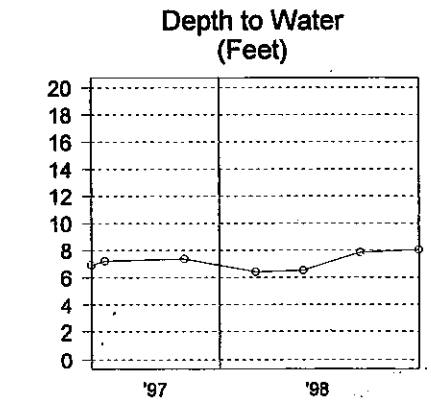












SOURCE: MW-19

Sampling Dates:
06/12/97 - 11/03/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-14-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Silanol, trimethyl-	Di-n-butyl phthalate	Phenanthrene	Iron	Manganese	Silver	Aluminum	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	NLE	900	NLE	300	50	20	200	-
06/12/97	FMETL	ND	ND	5	3.86	ND	6990	147	32	-	V,S,P,M
07/03/97	FMETL	ND	ND	7	1.31	0.56	2470	75	29	21.2	V,S,P,M
11/07/97	FMETL	ND	ND	ND	2.09	ND	2330	46	ND	71	V,S,P,M
02/23/98	FMETL	ND	ND	ND	12.5	ND	12550	677	ND	286	V,S,P,M
05/07/98	FMETL	ND	ND	ND	ND	ND	ND	196	ND	ND	V,S,P,M
08/06/98	FMETL	14.14	6.58	ND	ND	ND	6680	61	ND	270	V,S,P,M
11/03/98	FMETL	ND	ND	ND	ND	ND	3360	57.8	ND	67.8	V,S,P,M

SOURCE: MW-20

Sampling Dates:
06/12/97 - 11/03/98

NOTES:

Page 1 of 3.

FORT MONMOUTH

GW MONITORING
Bldg. M-14

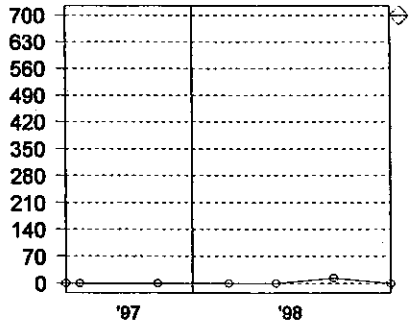
Well 2 of 3

*Ag in blank > GW Criteria for 6/97 & 7/97.

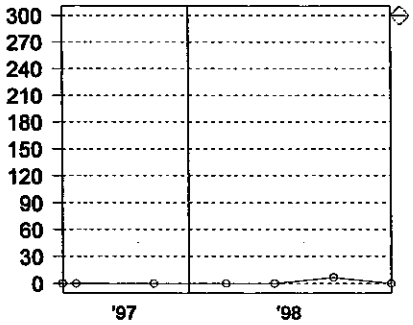
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-14-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

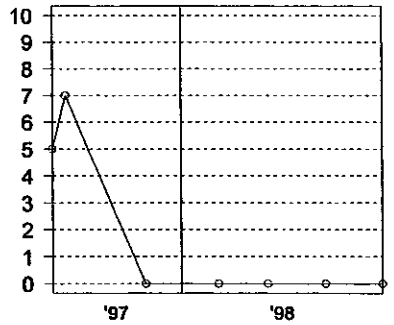
Acetone
(ug/l)



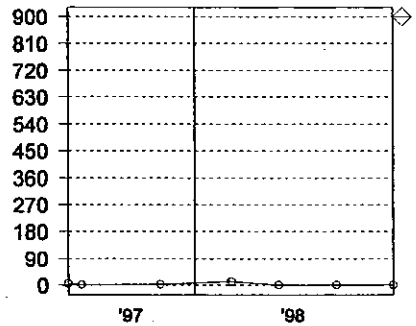
2-Butanone
(ug/l)



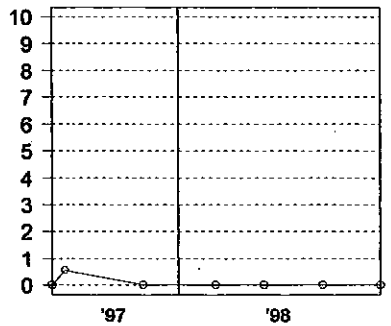
Silanol, trimethyl-
(ug/l)



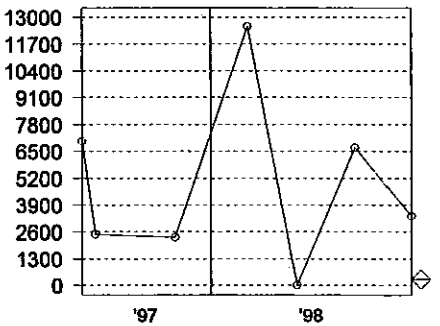
Di-n-butylphthalate
(ug/l)



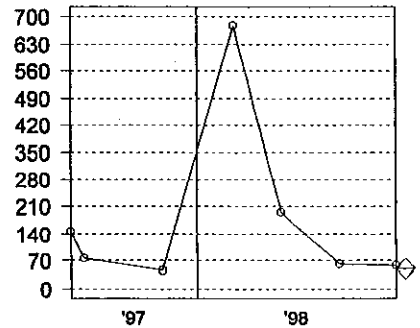
Phenanthrene
(ug/l)



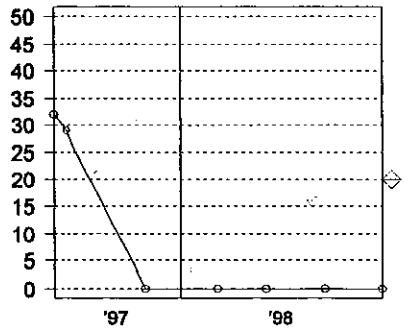
Iron
(ug/l)



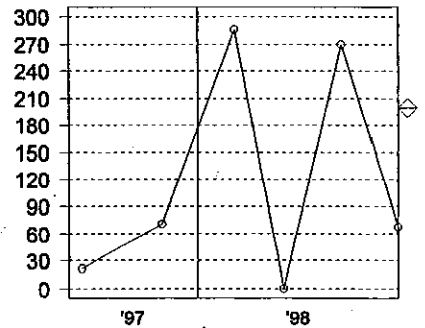
Manganese
(ug/l)



Silver
(ug/l)



Aluminum
(ug/l)



SOURCE: MW-20

Sampling Dates:
06/12/97 - 11/03/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-14-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Antimony	Arsenic	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	20	8	2000	NLE	NLE	100	NLE	50000	5000	-
06/12/97	FMETL	-	-	-	-	-	-	-	-	-	V,S,P,M
07/03/97	FMETL	ND	2	14.6	24700	2350	ND	5290	6000	24	V,S,P,M
11/07/97	FMETL	ND	ND	14	34440	2420	ND	5080	5860	45	V,S,P,M
02/23/98	FMETL	ND	ND	60.4	104400	8500	24	9500	14860	108	V,S,P,M
05/07/98	FMETL	ND	ND	25.5	63960	4130	8.4	10450	10630	12	V,S,P,M
08/06/98	FMETL	2.74	3.77	30.6	37300	2980	ND	7570	6400	42.1	V,S,P,M
11/03/98	FMETL	ND	3.94	17.7	41300	2730	2.59	6110	5760	17.4	V,S,P,M

SOURCE: MW-20

Sampling Dates:
06/12/97 - 11/03/98

NOTES:

Page 2 of 3.

FORT MONMOUTH

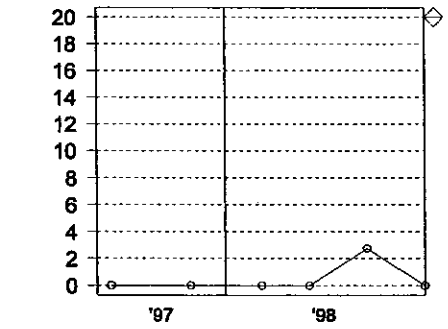
GW MONITORING
Bldg. M-14

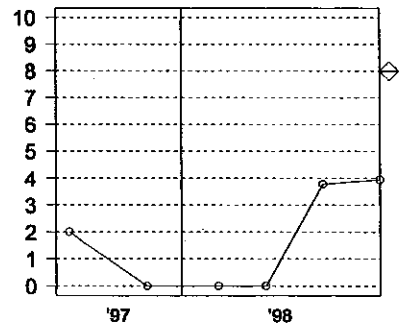
Well 2 of 3

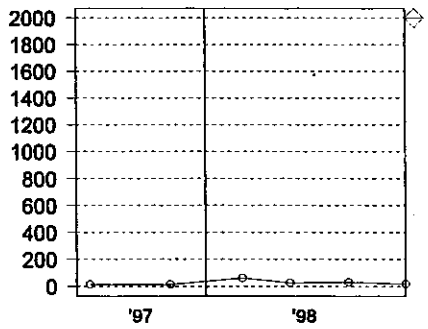
*Ag in blank > GW Criteria for 6/97 & 7/97.

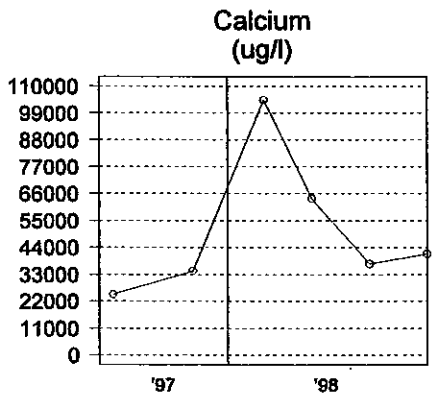
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

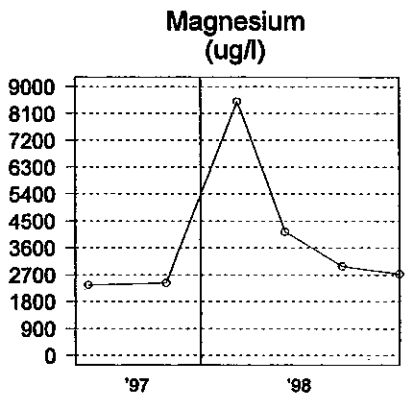
12-14-1998 c:\mtech48\fm\m-14\gw\m-14.wsf

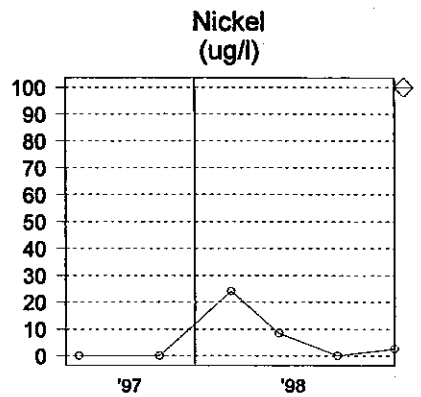


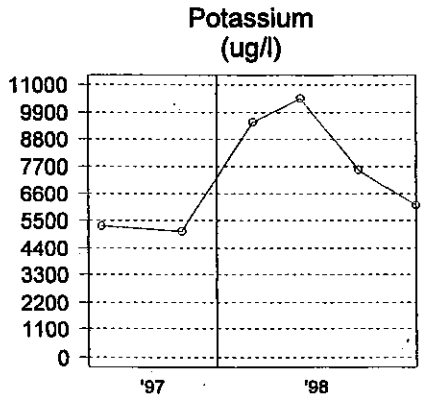


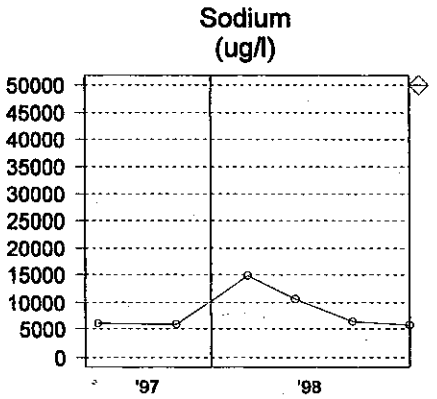


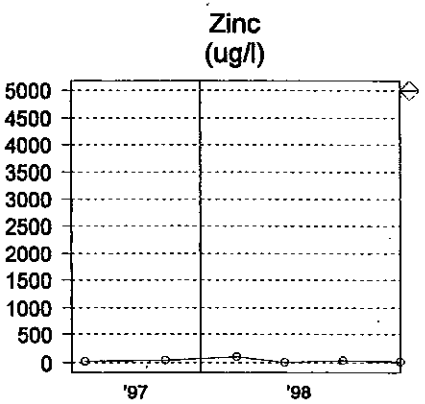












SOURCE: MW-20

Sampling Dates:
06/12/97 - 11/03/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-14-1998 c:\mtech48\fm\m-14\gw\m-14.wsf

	Laboratory	Depth to Water									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
06/12/97	FMETL	6.25									V,S,P,M
07/03/97	FMETL	6.60									V,S,P,M
11/07/97	FMETL	6.50									V,S,P,M
02/23/98	FMETL	5.80									V,S,P,M
05/07/98	FMETL	5.85									V,S,P,M
08/06/98	FMETL	6.94									V,S,P,M
11/03/98	FMETL	7.40									V,S,P,M

SOURCE: MW-20

Sampling Dates:
06/12/97 - 11/03/98

NOTES:

Page 3 of 3.

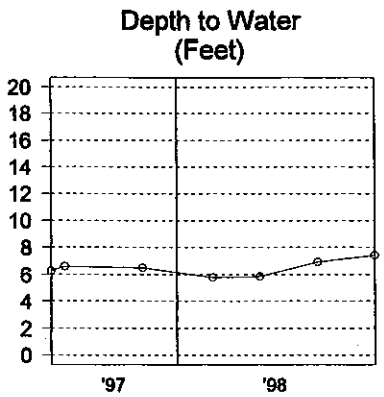
FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: MW-20

Sampling Dates:
06/12/97 - 11/03/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-14-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Silanol, trimethyl-	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	NLE	900	300	50	20	200	20	-
06/12/97	FMETL	ND	ND	10	3.66	1470	64	83	-	-	V,S,P,M
07/03/97	FMETL	ND	ND	12	3.87	940	84	56	26.8	ND	V,S,P,M
11/07/97	FMETL	ND	ND	74	1.46	690	58	ND	95	ND	V,S,P,M
02/23/98	FMETL	ND	ND	ND	ND	5440	85	ND	93	ND	V,S.P.M
05/07/98	FMETL	ND	ND	ND	ND	1009	54.6	ND	ND	3.4	V,S,P,M
08/06/98	FMETL	11.41	5.22	ND	ND	3820	91.9	ND	1190	3.8	V,S,P,M
11/03/98	FMETL	6.57	ND	ND	ND	831	117	ND	93	ND	V,S,P,M

SOURCE: MW-21

Sampling Dates:
06/12/97 - 11/03/98

NOTES:

Page 1 of 2.

FORT MONMOUTH

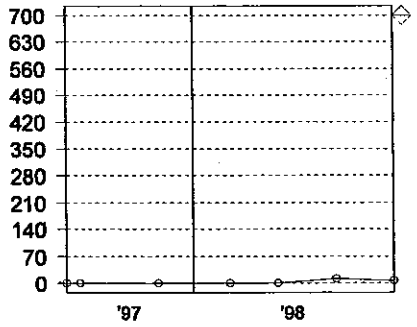
GW MONITORING
Bldg. M-14

Well 3 of 3

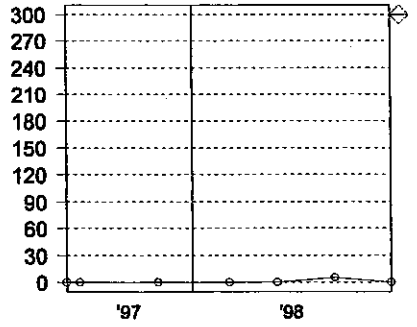
*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

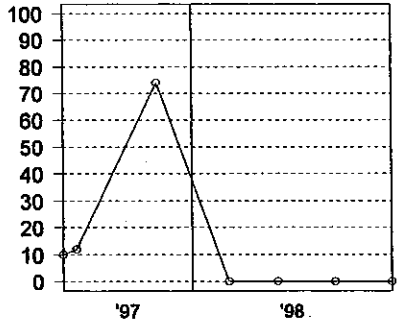
Acetone
(ug/l)



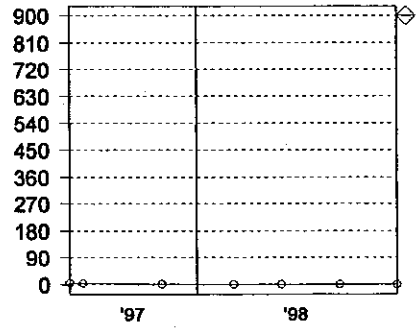
2-Butanone
(ug/l)



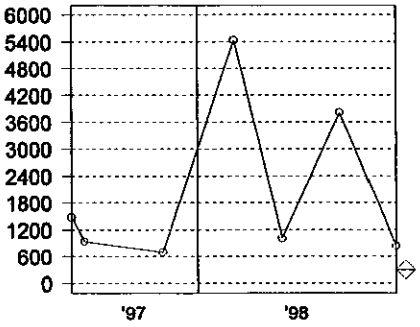
Silanol, trimethyl-
(ug/l)



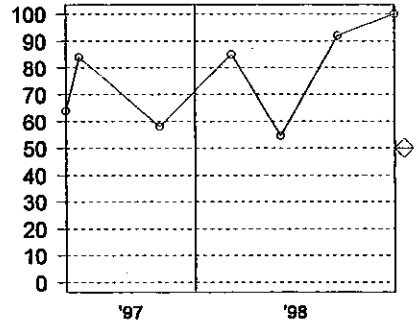
Di-n-butylphthalate
(ug/l)



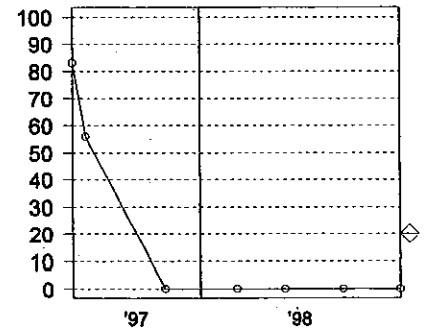
Iron
(ug/l)



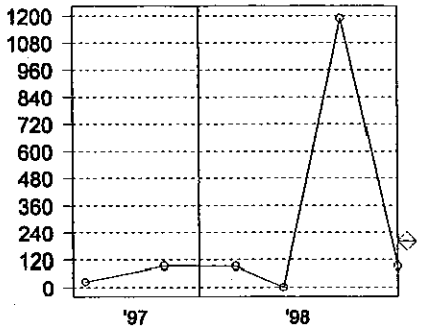
Manganese
(ug/l)



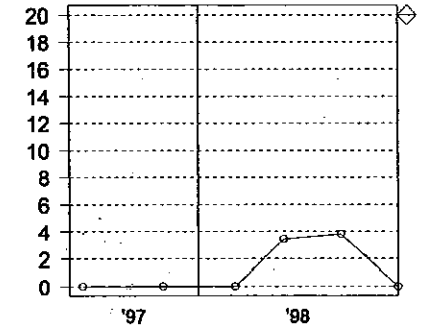
Silver
(ug/l)



Aluminum
(ug/l)



Antimony
(ug/l)



SOURCE: MW-21

Sampling Dates:
06/12/97 - 11/03/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-14-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	2000	NLE	NLE	100	NLE	50000	5000	-		-
06/12/97	FMETL	-	-	-	-	-	-	-	7.11		V,S,P,M
07/03/97	FMETL	25.1	29690	4310	ND	6360	6770	26	6.85		V,S,P,M
11/07/97	FMETL	23.6	34450	4140	5.9	6520	10300	236	7.10		V,S,P,M
02/23/98	FMETL	97.1	48840	6670	3.8	9230	25370	20	6.10		V,S.P.M
05/07/98	FMETL	33.1	45440	6389	1.5	10820	11820	ND	6.22		V,S,P,M
08/06/98	FMETL	43	44200	5090	1.29	12600	7930	47.5	6.83		V,S,P,M
11/03/98	FMETL	73.4	86800	9390	2.19	11300	38800	ND	6.72		V,S,P,M

SOURCE: MW-21

Sampling Dates:
06/12/97 - 11/03/98

NOTES:

Page 2 of 2.

FORT MONMOUTH

GW MONITORING
Bldg. M-14

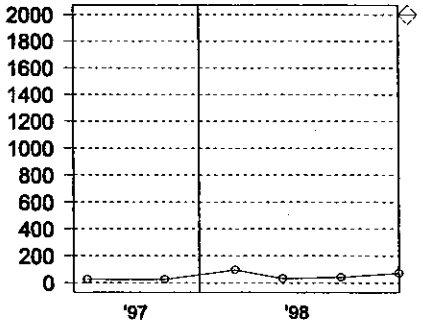
Well 3 of 3

*Ag in blank > GW Criteria for 6/97 & 7/97.

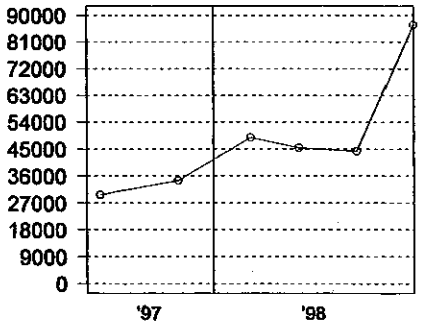
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-14-1998 c:\mtech46\fm\m-14\gw\m-14.wsf

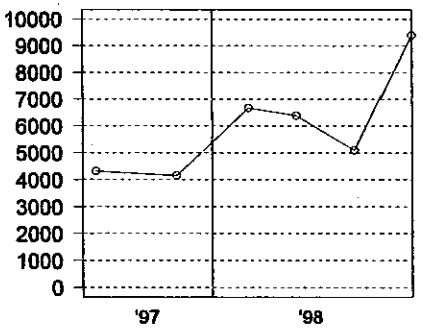
Barium (ug/l)



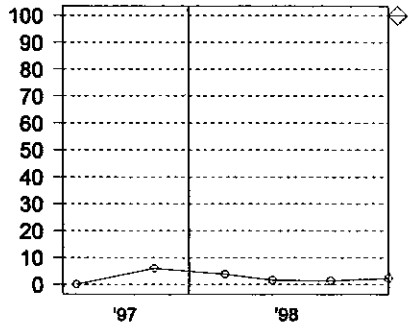
Calcium (ug/l)



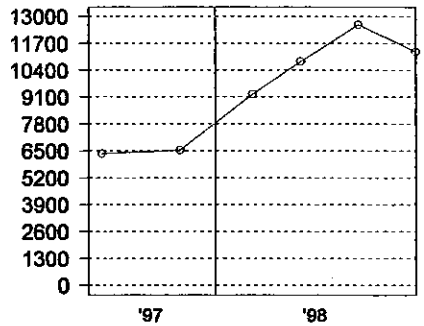
Magnesium (ug/l)



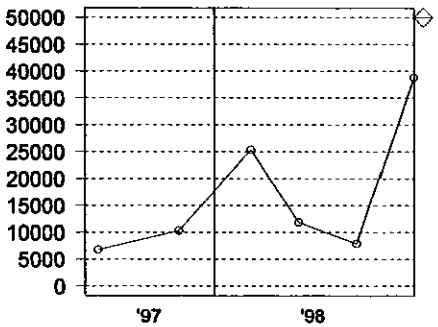
Nickel (ug/l)



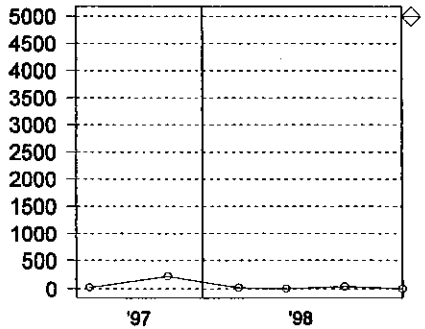
Potassium (ug/l)



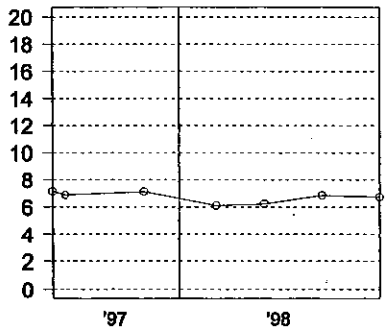
Sodium (ug/l)



Zinc (ug/l)



Depth to Water (Feet)



SOURCE: MW-21

Sampling Dates:
06/12/97 - 11/03/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-14-1998 c:\mtech46\fm\m-14\gw\m-14.waf

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
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-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4235.01	0M14MW19	29-32579	01/29/99
4235.02	0M14MW20	29-32580	01/29/99
4235.03	0M14MW21	29-32581	01/29/99

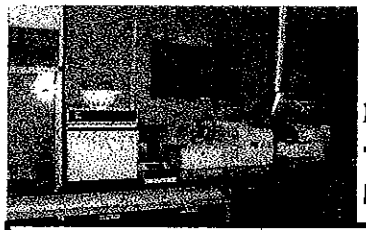
NJDEP Laboratory Certification # 13461

4-13-99
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:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: Joe Fallon
Phone #: 532-6223
(✓)DERA ( )OMA ( )Other:_____

Project No:
Location: M-14 mw3S
1st Qtr '99

Samplers Name / Company : Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA TCL	BNA +25	P.I. / PCB	TAL MTLS				Hexavalent Cr	Comments: Remarks / Preservation Method
4255 .01	mw-19	1/29/99	1259	AQ	5	✓	✓	✓	✓				✓	0.0
.02	mw-20	↓	1535	↓	5	✓	✓	✓	✓				✓	0.0
.03	mw-21	↓	1253	↓	5	✓	✓	✓	✓				✓	0.0

HCL/HNO_3/4°C

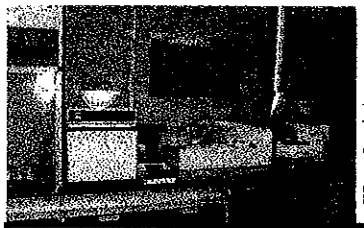
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	1/29/99 1531				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (✓)Standard, (_)Screen / non-certified
Turnaround time: (✓)Standard 4 wks, (_)Rush ___ Days, (_)ASAP Verbal ___ Hrs.

Remarks: Shows Trip / blank / Lysa from M-18.
Tide: H->D

print legibly

coc1/20/99



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: Joe Fallon
Phone #: 532-6223
(✓)DERA ( )OMA ( )Other:_____

Project No:
Location: M-18 mw's 1st Qtr '99

Samplers Name / Company : Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA's	BNA's	Pest/PCB	TAL Mtls				Hex Krad	Comments: Remarks / Preservation Method
4233-.01	Trip	11/29/99	0730	AQ	2	✓								HCL/HNO_3/4°C
.02	Field Blank		0945		5	✓	✓	✓	✓					
.03	mw-24 *		1001		5	✓	✓	✓	✓				✓	0.0
.04	mw-25		0956		5	✓	✓	✓	✓				✓	0.0
.05	Dupe		—		5	✓	✓	✓	✓					

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	11/29/99 1531				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (✓)Standard, ( )Screen / non-certified
Turnaround time: (✓)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: Shares Trip/blank/dupe w/ M12 + M14 same date.
Tide; H→O

print legibly

coc1/20/99

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW19
NJDEP ID #: 29-32579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/29/99
WEATHER: Cold, Clear.
TIDE: High –Outgoing

ELEV. OF CASING SURVEY MARK: 9.68 ft
DEPTH TO WATER: 6.43 ft
DEPTH OF WELL: 17.50 ft
HEIGHT OF WATER: 11.07 ft
(11.07) X .65 X 3 = 21.58
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: 0.22 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 11:08
pH 6.10 su — TEMP 10.6 °C
DISSOLVED O_2 5.76 PPM — SPECIFIC CONDUCTIVITY 515 us/cm

PURGE END TIME: 12:44
pH 6.05 su — TEMP 10.3 °C
DISSOLVED O_2 2.85 PPM — SPECIFIC CONDUCTIVITY 516 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.93 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 22 gal

pH 6.01 su — TEMP 10.4 °C
DISSOLVED O_2 2.80 PPM — SPECIFIC CONDUCTIVITY 514 us/cm

COMMENTS: Water surface has material on it.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW20
NJDEP ID #: 29-32580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/29/99
WEATHER: Cold, Clear.
TIDE: High –Outgoing

ELEV. OF CASING SURVEY MARK: 9.29 ft
DEPTH TO WATER: 6.20 ft
DEPTH OF WELL: 16.90 ft
HEIGHT OF WATER: 10.70 ft
(10.70) X .65 X 3 = 20.86
GALLONS OF H2O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: 0.23 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 14:05
pH 6.11 su — TEMP 11.5 °C
DISSOLVED O_2 6.75 PPM — SPECIFIC CONDUCTIVITY 433 us/cm

PURGE END TIME: 15:35
pH 6.07 su — TEMP 11.3 °C
DISSOLVED O_2 3.77 PPM — SPECIFIC CONDUCTIVITY 434 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.53 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 21 gal

pH 6.04 su — TEMP 11.1 °C
DISSOLVED O_2 3.74 PPM — SPECIFIC CONDUCTIVITY 433 us/cm

COMMENTS: Aquatic Organisms.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW21
NJDEP ID #: 29-32581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/29/99
WEATHER: Cold, Clear.
TIDE: High –Outgoing

ELEV. OF CASING SURVEY MARK: 9.57 ft
DEPTH TO WATER: 6.27 ft
DEPTH OF WELL: 19.30 ft
HEIGHT OF WATER: 13.03 ft
(13.03) X .65 X 3 = 25.40
GALLONS OF H2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: 0.22 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 11:03
pH 6.44 su — TEMP 11.7 °C
DISSOLVED O_2 5.73 PPM — SPECIFIC CONDUCTIVITY 302 us/cm

PURGE END TIME: 12:53
pH 6.45 su — TEMP 11.3 °C
DISSOLVED O_2 2.57 PPM — SPECIFIC CONDUCTIVITY 299 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.07 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 25 gal

pH 6.42 su — TEMP 10.0 °C
DISSOLVED O_2 2.53 PPM — SPECIFIC CONDUCTIVITY 298 us/cm

COMMENTS:

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

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

Data File	**VB02592.D**	Sample Name	**Vblk80**
Operator	**Skelton**	Field ID	**Vblk80**
Date Acquired	**10-Feb-99**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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

2/18/99 2:44 PM

C:\HPCHEM\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Vblk80**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4235 SDG No _____ Location M-14

Matrix: (soil/water) WATER Lab Sample ID: Vblk80

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02592.D

Level: (low/med) LOW Date Received: 1/29/99

% Moisture: not dec. _____ Date Analyzed: 2/10/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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	V05694.D	Sample Name	Vblk155
Operator	Skelton	Field ID	Vblk155
Date Acquired	5 Feb 1999 10:41 am	Sample Multiplie	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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: **Vblk155**

Lab Name: FMETL Project LTM

NJDEP # 13461 Case No.: 4233 Location M18 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk155

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V05694.D

Level: (low/med) LOW Date Received: 1/29/99

% Moisture: not dec. Date Analyzed: 2/5/99

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil 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	**V05702.D**	Sample Name	**4233.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**5 Feb 1999 4:31 pm**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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 Project LTM

NJDEP # 13461 Case No.: 4233 Location M18 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4233.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V05702.D

Level: (low/med) LOW Date Received: 1/29/99

% Moisture: not dec. Date Analyzed: 2/5/99

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil 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	**V05703.D**	Sample Name	**4233.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**5 Feb 1999 5:13 pm**	Sample Multiplie	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride	12.92	18092	2.39 ug/L	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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 Project LTM

NJDEP # 13461 Case No.: 4233 Location M18 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4233.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V05703.D

Level: (low/med) LOW Date Received: 1/29/99

% Moisture: not dec. Date Analyzed: 2/5/99

GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil 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	**VB02596.D**	Sample Name	**4235.01**
Operator	**Skelton**	Field ID	**0M14MW19**
Date Acquired	**10-Feb-99**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

3/9/99 10:05 AM

C:\HPCHEM\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0M14MW19**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4235 SDG No _____ Location M-14

Matrix: (soil/water) WATER Lab Sample ID: 4235.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02596.D

Level: (low/med) LOW Date Received: 1/29/99

% Moisture: not dec. _____ Date Analyzed: 2/10/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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	**VB02597.D**	Sample Name	**4235.02**
Operator	**Skelton**	Field ID	**0M14MW20**
Date Acquired	**10-Feb-99**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

3/9/99 10:05 AM

C:\HPCHEM\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0M14MW20**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4235 SDG No _____ Location M-14

Matrix: (soil/water) WATER Lab Sample ID: 4235.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02597.D

Level: (low/med) LOW Date Received: 1/29/99

% Moisture: not dec. _____ Date Analyzed: 2/10/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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	**VB02598.D**	Sample Name	**4235.03**
Operator	**Skelton**	Field ID	**0M14MW21**
Date Acquired	**10-Feb-99**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

3/9/99 10:05 AM

C:\HPCHEM\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0M14MW21**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4235 SDG No _____ Location M-14

Matrix: (soil/water) WATER Lab Sample ID: 4235.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02598.D

Level: (low/med) LOW Date Received: 1/29/99

% Moisture: not dec. _____ Date Analyzed: 2/10/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN02746.D	Sample Name	Sblk199
Operator	Bhaskar	Misc Info	Sblk199 A 990201
Date Acquired	1-Feb-99	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN02746.D**	Sample Name	**Sblk199**
Operator	**Bhaskar**	Misc Info	**Sblk199 A 990201**
Date Acquired	**1-Feb-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Sblk199**

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4233 Location: M-18 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: Sblk199

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02746.D

Level: (low/med) LOW Date Received: 1/29/99

% Moisture: decanted: (Y/N) N Date Extracted: 2/1/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/1/99

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	**BN02751.D**	Sample Name	**4233.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**1-Feb-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN02751.D**	Sample Name	**4233.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**1-Feb-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Field Blank**

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4233 Location: M-18 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4233.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02751.D

Level: (low/med) LOW Date Received: 1/29/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 2/1/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/1/99

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	**BN02763.D**	Sample Name	**4235.01**
Operator	**Bhaskar**	Misc Info	**0M14MW19**
Date Acquired	**5-Feb-99**	Sample Multiplier	**1.16**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	5.80 ug/L	D
62-75-9	N-nitroso-dimethylamine			not detected	20	1.09 ug/L	D
62-53-3	Aniline			not detected	NLE	0.17 ug/L	D
108-95-2	Phenol			not detected	4000	0.55 ug/L	D
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.56 ug/L	D
95-57-8	2-Chlorophenol			not detected	40	0.21 ug/L	D
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	D
106-46-7	1,4-Dichlorobenzene			not detected	75	0.27 ug/L	D
100-51-6	Benzyl alcohol			not detected	NLE	0.21 ug/L	D
95-50-1	1,2-Dichlorobenzene			not detected	600	0.19 ug/L	D
	2-Methylphenol			not detected	NLE	0.16 ug/L	D
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.71 ug/L	D
	4-Methylphenol			not detected	NLE	0.16 ug/L	D
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.42 ug/L	D
67-72-1	Hexachloroethane			not detected	10	0.38 ug/L	D
98-95-3	Nitrobenzene			not detected	10	0.53 ug/L	D
78-59-1	Isophorone			not detected	100	0.41 ug/L	D
88-75-5	2-Nitrophenol			not detected	NLE	0.27 ug/L	D
105-67-9	2,4-Dimethylphenol			not detected	100	0.31 ug/L	D
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.53 ug/L	D
120-83-2	2,4-Dichlorophenol			not detected	20	0.14 ug/L	D
65-85-0	Benzoic Acid			not detected	NLE	0.30 ug/L	D
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.29 ug/L	D
91-20-3	Naphthalene			not detected	NLE	0.29 ug/L	D
106-47-8	4-Chloroaniline			not detected	NLE	0.22 ug/L	D
87-68-3	Hexachlorobutadiene			not detected	1	0.44 ug/L	D
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.21 ug/L	D
91-57-6	2-Methylnaphthalene			not detected	NLE	0.19 ug/L	D
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.74 ug/L	D
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.49 ug/L	D
	2,4,5-Trichlorophenol			not detected	700	0.36 ug/L	D
91-58-7	2-Chloronaphthalene			not detected	NLE	0.37 ug/L	D
88-74-4	2-Nitroaniline			not detected	NLE	0.24 ug/L	D
131-11-3	Dimethylphthalate			not detected	7000	0.21 ug/L	D
208-96-8	Acenaphthylene			not detected	NLE	0.22 ug/L	D
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.36 ug/L	D
99-09-2	3-Nitroaniline			not detected	NLE	0.30 ug/L	D
83-32-9	Acenaphthene			not detected	400	0.30 ug/L	D
51-28-5	2,4-Dinitrophenol			not detected	40	0.80 ug/L	D
132-64-9	Dibenzofuran			not detected	NLE	0.37 ug/L	D
100-02-7	4-Nitrophenol			not detected	NLE	0.31 ug/L	D

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN02763.D**	Sample Name	**4235.01**
Operator	**Bhaskar**	Misc Info	**0M14MW19**
Date Acquired	**5-Feb-99**	Sample Multiplier	**1.16**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.42	ug/L	D
84-66-2	Diethylphthalate			not detected	5000	0.95	ug/L	D
86-73-7	Fluorene			not detected	300	0.34	ug/L	D
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.36	ug/L	D
100-01-6	4-Nitroaniline			not detected	NLE	1.04	ug/L	D
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.51	ug/L	D
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.27	ug/L	D
103-33-3	Azobenzene			not detected	NLE	0.93	ug/L	D
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.64	ug/L	D
118-74-1	Hexachlorobenzene			not detected	10	0.95	ug/L	D
87-86-5	Pentachlorophenol			not detected	1	1.25	ug/L	D
85-01-8	Phenanthrene			not detected	NLE	0.21	ug/L	D
120-12-7	Anthracene			not detected	2000	0.22	ug/L	D
84-74-2	Di-n-butylphthalate			not detected	900	0.27	ug/L	D
206-44-0	Fluoranthene			not detected	300	0.48	ug/L	D
92-87-5	Benzidine			not detected	50	1.68	ug/L	D
129-00-0	Pyrene			not detected	200	0.37	ug/L	D
85-68-7	Butylbenzylphthalate			not detected	100	0.55	ug/L	D
56-55-3	Benzo[a]anthracene			not detected	10	0.26	ug/L	D
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.53	ug/L	D
218-01-9	Chrysene			not detected	20	0.23	ug/L	D
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.59	ug/L	D
117-84-0	Di-n-octylphthalate			not detected	100	0.95	ug/L	D
205-99-2	Benzo[b]fluoranthene			not detected	10	0.43	ug/L	D
207-08-9	Benzo[k]fluoranthene			not detected	2	0.37	ug/L	D
50-32-8	Benzo[a]pyrene			not detected	20	0.36	ug/L	D
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.92	ug/L	D
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.32	ug/L	D
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.46	ug/L	D

* 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: **0M14MW19**

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4235 Location: M-14 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4235.01

Sample wt/vol: 864 (g/ml) ML Lab File ID: BN02763.D

Level: (low/med) LOW Date Received: 1/29/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 2/3/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/5/99

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	**BN02764.D**	Sample Name	**4235.02**
Operator	**Bhaskar**	Misc Info	**0M14MW20**
Date Acquired	**5-Feb-99**	Sample Multiplier	**1.1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.50	ug/L	D
62-75-9	N-nitroso-dimethylamine			not detected	20	1.03	ug/L	D
62-53-3	Aniline			not detected	NLE	0.17	ug/L	D
108-95-2	Phenol			not detected	4000	0.52	ug/L	D
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.53	ug/L	D
95-57-8	2-Chlorophenol			not detected	40	0.20	ug/L	D
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17	ug/L	D
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25	ug/L	D
100-51-6	Benzyl alcohol			not detected	NLE	0.20	ug/L	D
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18	ug/L	D
	2-Methylphenol			not detected	NLE	0.15	ug/L	D
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.67	ug/L	D
	4-Methylphenol			not detected	NLE	0.15	ug/L	D
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.40	ug/L	D
67-72-1	Hexachloroethane			not detected	10	0.36	ug/L	D
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	D
78-59-1	Isophorone			not detected	100	0.39	ug/L	D
88-75-5	2-Nitrophenol			not detected	NLE	0.25	ug/L	D
105-67-9	2,4-Dimethylphenol			not detected	100	0.30	ug/L	D
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.51	ug/L	D
120-83-2	2,4-Dichlorophenol			not detected	20	0.13	ug/L	D
65-85-0	Benzoic Acid			not detected	NLE	0.29	ug/L	D
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.28	ug/L	D
91-20-3	Naphthalene			not detected	NLE	0.28	ug/L	D
106-47-8	4-Chloroaniline			not detected	NLE	0.21	ug/L	D
87-68-3	Hexachlorobutadiene			not detected	1	0.42	ug/L	D
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.20	ug/L	D
91-57-6	2-Methylnaphthalene			not detected	NLE	0.18	ug/L	D
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.65	ug/L	D
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.46	ug/L	D
	2,4,5-Trichlorophenol			not detected	700	0.34	ug/L	D
91-58-7	2-Chloronaphthalene			not detected	NLE	0.35	ug/L	D
88-74-4	2-Nitroaniline			not detected	NLE	0.23	ug/L	D
131-11-3	Dimethylphthalate			not detected	7000	0.20	ug/L	D
208-96-8	Acenaphthylene			not detected	NLE	0.21	ug/L	D
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.34	ug/L	D
99-09-2	3-Nitroaniline			not detected	NLE	0.29	ug/L	D
83-32-9	Acenaphthene			not detected	400	0.29	ug/L	D
51-28-5	2,4-Dinitrophenol			not detected	40	0.76	ug/L	D
132-64-9	Dibenzofuran			not detected	NLE	0.35	ug/L	D
100-02-7	4-Nitrophenol			not detected	NLE	0.30	ug/L	D

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN02764.D**	Sample Name	**4235.02**
Operator	**Bhaskar**	Misc Info	**0M14MW20**
Date Acquired	**5-Feb-99**	Sample Multiplier	**1.1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.40	ug/L	D
84-66-2	Diethylphthalate			not detected	5000	0.90	ug/L	D
86-73-7	Fluorene			not detected	300	0.32	ug/L	D
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.34	ug/L	D
100-01-6	4-Nitroaniline			not detected	NLE	0.99	ug/L	D
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.48	ug/L	D
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.25	ug/L	D
103-33-3	Azobenzene			not detected	NLE	0.88	ug/L	D
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.61	ug/L	D
118-74-1	Hexachlorobenzene			not detected	10	0.90	ug/L	D
87-86-5	Pentachlorophenol			not detected	1	1.19	ug/L	D
85-01-8	Phenanthrene			not detected	NLE	0.20	ug/L	D
120-12-7	Anthracene			not detected	2000	0.21	ug/L	D
84-74-2	Di-n-butylphthalate			not detected	900	0.25	ug/L	D
206-44-0	Fluoranthene			not detected	300	0.45	ug/L	D
92-87-5	Benzidine			not detected	50	1.60	ug/L	D
129-00-0	Pyrene			not detected	200	0.35	ug/L	D
85-68-7	Butylbenzylphthalate			not detected	100	0.52	ug/L	D
56-55-3	Benzo[a]anthracene			not detected	10	0.24	ug/L	D
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.51	ug/L	D
218-01-9	Chrysene			not detected	20	0.22	ug/L	D
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.56	ug/L	D
117-84-0	Di-n-octylphthalate			not detected	100	0.90	ug/L	D
205-99-2	Benzo[b]fluoranthene			not detected	10	0.41	ug/L	D
207-08-9	Benzo[k]fluoranthene			not detected	2	0.35	ug/L	D
50-32-8	Benzo[a]pyrene			not detected	20	0.34	ug/L	D
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.87	ug/L	D
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.31	ug/L	D
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.44	ug/L	D

* 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: **0M14MW20**

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4235 Location: M-14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 4235.02

Sample wt/vol: 908 (g/ml) ML Lab File ID: BN02764.D

Level: (low/med) LOW Date Received: 1/29/99

% Moisture: decanted: (Y/N) N Date Extracted: 2/3/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/5/99

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. 004727-18-8	Cyclopentadecanone, 2-hydroxy-	19.33	9	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN02765.D**	Sample Name	**4235.03**
Operator	**Bhaskar**	Misc Info	**0M14MW21**
Date Acquired	**5-Feb-99**	Sample Multiplier	**1.07**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.35	ug/L	D
62-75-9	N-nitroso-dimethylamine			not detected	20	1.01	ug/L	D
62-53-3	Aniline			not detected	NLE	0.16	ug/L	D
108-95-2	Phenol			not detected	4000	0.50	ug/L	D
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.51	ug/L	D
95-57-8	2-Chlorophenol			not detected	40	0.19	ug/L	D
541-73-1	1,3-Dichlorobenzene			not detected	600	0.16	ug/L	D
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25	ug/L	D
100-51-6	Benzyl alcohol			not detected	NLE	0.19	ug/L	D
95-50-1	1,2-Dichlorobenzene			not detected	600	0.17	ug/L	D
	2-Methylphenol			not detected	NLE	0.15	ug/L	D
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.65	ug/L	D
	4-Methylphenol			not detected	NLE	0.15	ug/L	D
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.39	ug/L	D
67-72-1	Hexachloroethane			not detected	10	0.35	ug/L	D
98-95-3	Nitrobenzene			not detected	10	0.49	ug/L	D
78-59-1	Isophorone			not detected	100	0.37	ug/L	D
88-75-5	2-Nitrophenol			not detected	NLE	0.25	ug/L	D
105-67-9	2,4-Dimethylphenol			not detected	100	0.29	ug/L	D
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.49	ug/L	D
120-83-2	2,4-Dichlorophenol			not detected	20	0.13	ug/L	D
65-85-0	Benzoic Acid			not detected	NLE	0.28	ug/L	D
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.27	ug/L	D
91-20-3	Naphthalene			not detected	NLE	0.27	ug/L	D
106-47-8	4-Chloroaniline			not detected	NLE	0.20	ug/L	D
87-68-3	Hexachlorobutadiene			not detected	1	0.41	ug/L	D
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.19	ug/L	D
91-57-6	2-Methylnaphthalene			not detected	NLE	0.17	ug/L	D
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.61	ug/L	D
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.45	ug/L	D
	2,4,5-Trichlorophenol			not detected	700	0.33	ug/L	D
91-58-7	2-Chloronaphthalene			not detected	NLE	0.34	ug/L	D
88-74-4	2-Nitroaniline			not detected	NLE	0.22	ug/L	D
131-11-3	Dimethylphthalate			not detected	7000	0.19	ug/L	D
208-96-8	Acenaphthylene			not detected	NLE	0.20	ug/L	D
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.33	ug/L	D
99-09-2	3-Nitroaniline			not detected	NLE	0.28	ug/L	D
83-32-9	Acenaphthene			not detected	400	0.28	ug/L	D
51-28-5	2,4-Dinitrophenol			not detected	40	0.74	ug/L	D
132-64-9	Dibenzofuran			not detected	NLE	0.34	ug/L	D
100-02-7	4-Nitrophenol			not detected	NLE	0.29	ug/L	D

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN02765.D**	Sample Name	**4235.03**
Operator	**Bhaskar**	Misc Info	**0M14MW21**
Date Acquired	**5-Feb-99**	Sample Multiplier	**1.07**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.39	ug/L	D
84-66-2	Diethylphthalate			not detected	5000	0.88	ug/L	D
86-73-7	Fluorene			not detected	300	0.31	ug/L	D
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.33	ug/L	D
100-01-6	4-Nitroaniline			not detected	NLE	0.96	ug/L	D
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.47	ug/L	D
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.25	ug/L	D
103-33-3	Azobenzene			not detected	NLE	0.86	ug/L	D
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.59	ug/L	D
118-74-1	Hexachlorobenzene			not detected	10	0.88	ug/L	D
87-86-5	Pentachlorophenol			not detected	1	1.16	ug/L	D
85-01-8	Phenanthrene			not detected	NLE	0.19	ug/L	D
120-12-7	Anthracene			not detected	2000	0.20	ug/L	D
84-74-2	Di-n-butylphthalate			not detected	900	0.25	ug/L	D
206-44-0	Fluoranthene			not detected	300	0.44	ug/L	D
92-87-5	Benzidine			not detected	50	1.55	ug/L	D
129-00-0	Pyrene			not detected	200	0.34	ug/L	D
85-68-7	Butylbenzylphthalate			not detected	100	0.50	ug/L	D
56-55-3	Benzo[a]anthracene			not detected	10	0.24	ug/L	D
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.49	ug/L	D
218-01-9	Chrysene			not detected	20	0.21	ug/L	D
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.55	ug/L	D
117-84-0	Di-n-octylphthalate			not detected	100	0.88	ug/L	D
205-99-2	Benzo[b]fluoranthene			not detected	10	0.40	ug/L	D
207-08-9	Benzo[k]fluoranthene			not detected	2	0.34	ug/L	D
50-32-8	Benzo[a]pyrene			not detected	20	0.33	ug/L	D
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.85	ug/L	D
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.30	ug/L	D
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.43	ug/L	D

* 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: **0M14MW21**

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4235 Location: M-14 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4235.03

Sample wt/vol: 936 (g/ml) ML Lab File ID: BN02765.D

Level: (low/med) LOW Date Received: 1/29/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 2/3/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/5/99

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

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

Client :	U.S. Army	**Lab. ID # :**	BLK228
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	1/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/4/99
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25 um
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25 u

Report of Analysis

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

Client :	U.S. Army	**Lab. ID # :**	4233.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/29/99
	Bldg. 173	**Extraction Date:**	1/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/4/99
Analysis:	EPA Method 608	**Location :**	M-18 MWs
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25 u
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

Client :	U.S. Army	**Lab. ID # :**	4235.01
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/29/99
	Bldg. 173	**Extraction Date:**	1/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/4/99
Analysis:	EPA Method 608	**Location :**	M-14 MWs
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	0M14MW19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25 u
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

Client :	U.S. Army	**Lab. ID # :**	4235.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/29/99
	Bldg. 173	**Extraction Date:**	1/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/4/99
Analysis:	EPA Method 608	**Location :**	M-14 MWs
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	0M14MW20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25 u
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

Client :	U.S. Army	**Lab. ID # :**	4235.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/29/99
	Bldg. 173	**Extraction Date:**	1/30/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/4/99
Analysis:	EPA Method 608	**Location :**	M-14 MWs
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	0M14MW21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32 mm ID/.25 u
Column-Confirmation: Rtx-CLPesticides2 30m/.32 mm ID/.25

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

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

Lab ID #: 4235
Sample Prepared: 02/04/99

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	02/10/99	ND	200	10.0
Antimony	02/10/99	ND	20	2.0
Arsenic	02/10/99	ND	8	2.0
Barium	02/10/99	1.9	2000	0.5
Beryllium	02/10/99	ND	20	0.5
Cadmium	02/10/99	3.5	4	0.5
Calcium	02/10/99	34.0	NLE	20.0
Chromium	02/10/99	ND	100	0.5
Cobalt	02/10/99	ND	NLE	0.5
Copper	02/10/99	41.0	1000	3.0
Iron	02/10/99	ND	300	10.0
Lead	02/10/99	ND	10	2.0
Magnesium	02/10/99	ND	NLE	20.0
Manganese	02/10/99	ND	50	0.5
Mercury	02/09/99	ND	2	0.1
Nickel	02/10/99	1.8	100	0.5
Potassium	02/10/99	ND	NLE	20.0
Selenium	02/10/99	ND	50	3.0
Silver	02/10/99	ND	20	3.0
Sodium	02/10/99	123	50000	20.0
Thallium	02/10/99	ND	10	3.0
Vanadium	02/10/99	ND	NLE	1.0
Zinc	02/10/99	10.0	5000	1.0

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 #: 4233.02
Sample Received: 01/29/99
Sample Matrix: Aqueous

Site: M-18
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	02/10/99	ND	200	10.0
Antimony	02/10/99	ND	20	2.0
Arsenic	02/10/99	ND	8	2.0
Barium	02/10/99	ND	2000	0.5
Beryllium	02/10/99	ND	20	0.5
Cadmium	02/10/99	5.71	4	0.5
Calcium	02/10/99	180	NLE	20.0
Chromium	02/10/99	ND	100	0.5
Cobalt	02/10/99	ND	NLE	0.5
Copper	02/10/99	54.7	1000	3.0
Iron	02/10/99	ND	300	10.0
Lead	02/10/99	3.67	10	2.0
Magnesium	02/10/99	ND	NLE	20.0
Manganese	02/10/99	0.580	50	0.5
Mercury	02/08/99	0.5	2	0.1
Nickel	02/10/99	5.69	100	0.5
Potassium	02/10/99	49.1	NLE	20.0
Selenium	02/10/99	ND	50	3.0
Silver	02/10/99	ND	20	3.0
Sodium	02/10/99	560	50000	20.0
Thallium	02/10/99	ND	10	3.0
Vanadium	02/10/99	ND	NLE	1.0
Zinc	02/10/99	129	5000	1.0

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 #: 4235.01
Sample Received: 01/29/99
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	02/10/99	ND	200	10.0
Antimony	02/10/99	ND	20	2.0
Arsenic	02/10/99	ND	8	2.0
Barium	02/10/99	35.8	2000	0.5
Beryllium	02/10/99	ND	20	0.5
Cadmium	02/10/99	1.10	4	0.5
Calcium	02/10/99	40900	NLE	20.0
Chromium	02/10/99	4.02	100	0.5
Cobalt	02/10/99	4.56	NLE	0.5
Copper	02/10/99	ND	1000	3.0
Iron	02/10/99	41400	300	10.0
Lead	02/10/99	ND	10	2.0
Magnesium	02/10/99	4550	NLE	20.0
Manganese	02/10/99	654	50	0.5
Mercury	02/09/99	ND	2	0.1
Nickel	02/10/99	20.6	100	0.5
Potassium	02/10/99	6380	NLE	20.0
Selenium	02/10/99	ND	50	3.0
Silver	02/10/99	ND	20	3.0
Sodium	02/10/99	7810	50000	20.0
Thallium	02/10/99	ND	10	3.0
Vanadium	02/10/99	ND	NLE	1.0
Zinc	02/10/99	664	5000	1.0

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 #: 4235.02
Sample Received: 01/29/99
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	02/10/99	149	200	10.0
Antimony	02/10/99	ND	20	2.0
Arsenic	02/10/99	ND	8	2.0
Barium	02/10/99	22.5	2000	0.5
Beryllium	02/10/99	ND	20	0.5
Cadmium	02/10/99	ND	4	0.5
Calcium	02/10/99	49400	NLE	20.0
Chromium	02/10/99	2.18	100	0.5
Cobalt	02/10/99	2.41	NLE	0.5
Copper	02/10/99	ND	1000	3.0
Iron	02/10/99	7210	300	10.0
Lead	02/10/99	ND	10	2.0
Magnesium	02/10/99	2350	NLE	20.0
Manganese	02/10/99	146	50	0.5
Mercury	02/09/99	0.16	2	0.1
Nickel	02/10/99	14.6	100	0.5
Potassium	02/10/99	5550	NLE	20.0
Selenium	02/10/99	ND	50	3.0
Silver	02/10/99	ND	20	3.0
Sodium	02/10/99	7180	50000	20.0
Thallium	02/10/99	ND	10	3.0
Vanadium	02/10/99	ND	NLE	1.0
Zinc	02/10/99	133	5000	1.0

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 #: 4235.03
Sample Received: 01/29/99
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	02/10/99	ND	200	10.0
Antimony	02/10/99	ND	20	2.0
Arsenic	02/10/99	ND	8	2.0
Barium	02/10/99	26.1	2000	0.5
Beryllium	02/10/99	ND	20	0.5
Cadmium	02/10/99	ND	4	0.5
Calcium	02/10/99	32300	NLE	20.0
Chromium	02/10/99	3.06	100	0.5
Cobalt	02/10/99	ND	NLE	0.5
Copper	02/10/99	ND	1000	3.0
Iron	02/10/99	975	300	10.0
Lead	02/10/99	ND	10	2.0
Magnesium	02/10/99	3610	NLE	20.0
Manganese	02/10/99	67.4	50	0.5
Mercury	02/09/99	0.18	2	0.1
Nickel	02/10/99	1.17	100	0.5
Potassium	02/10/99	6240	NLE	20.0
Selenium	02/10/99	ND	50	3.0
Silver	02/10/99	ND	20	3.0
Sodium	02/10/99	12300	50000	20.0
Thallium	02/10/99	ND	10	3.0
Vanadium	02/10/99	ND	NLE	1.0
Zinc	02/10/99	12.0	5000	1.0

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

	Laboratory	Acetone	2-Butanone	Silanol, trimethyl-	Di-n-butyl phthalate	Propylene Glycol	2-Pentanone 4-hydroxy-4-methyl	9-Octadecenamide, (Z)-	Iron	Manganese	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	NLE	900	NLE	NLE	NLE	300	50	-
06/12/97	FMETL	ND	ND	14	2.06	25	19	39	27000	57	V,S,P,M
07/03/97	FMETL	ND	ND	60	1.04	ND	ND	ND	30300	290	V,S,P,M
11/07/97	FMETL	ND	ND	53	1.60	ND	ND	ND	11600	136	V,S,P,M
02/23/98	FMETL	ND	ND	ND	7.20	ND	ND	ND	50590	119	V,S,P,M
05/07/98	FMETL	ND	ND	ND	ND	ND	ND	ND	48050	172	V,S,P,M
08/06/98	FMETL	5.25	4.38	ND	ND	ND	ND	ND	19900	219	V,S,P,M
11/03/98	FMETL	ND	ND	ND	ND	ND	ND	ND	14700	100	V,S,P,M
01/29/99	FMETL	ND	ND	ND	ND	ND	ND	ND	41400	654	V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 01/29/99

NOTES:

Page 1 of 3.

FORT MONMOUTH

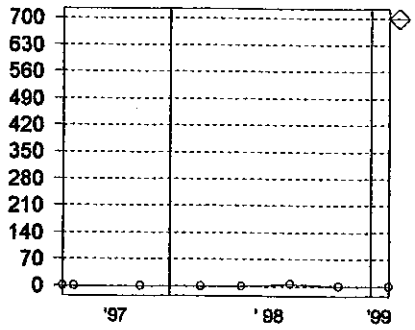
GW MONITORING
Bldg. M-14

Well 1 of 3

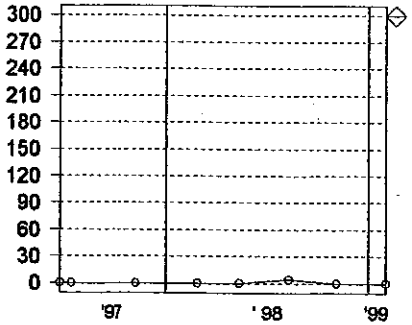
*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

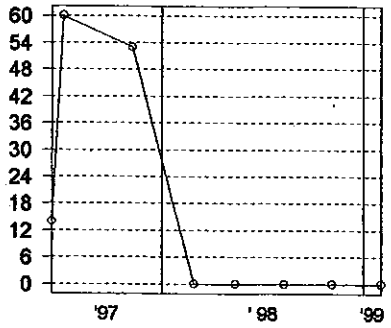
Acetone
(ug/l)



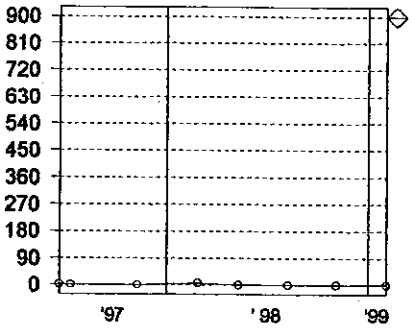
2-Butanone
(ug/l)



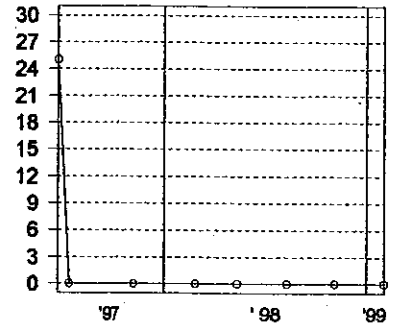
Silanol, trimethyl-
(ug/l)



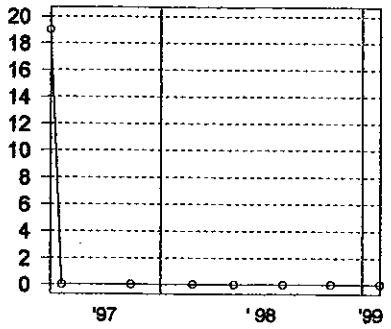
Di-n-butylphthalate
(ug/l)



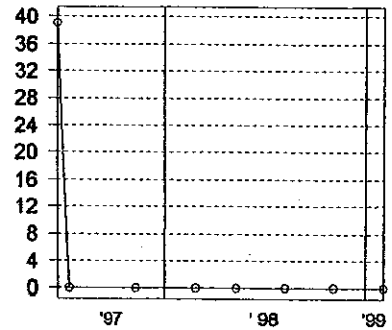
Propylene Glycol
(ug/l)



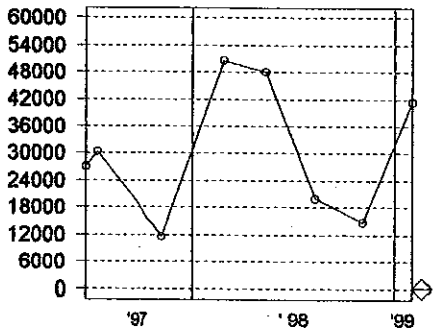
2-Pentanone, 4-hydroxy-4-methyl
(ug/l)



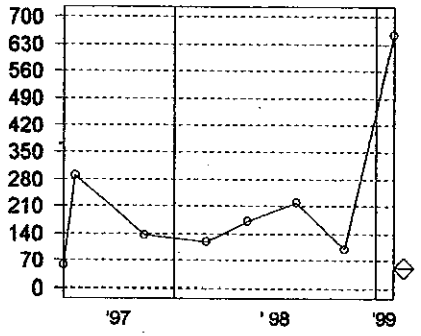
9-Octadecenamide, (Z)
(ug/l)



Iron
(ug/l)



Manganese
(ug/l)



SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 01/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Silver	Aluminum	Antimony	Arsenic	Barium	Calcium	Magnesium	Nickel	Potassium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	20	200	20	8	2000	NLE	NLE	100	NLE	-
06/12/97	FMETL	33	-	-	-	-	-	-	-	-	V,S,P,M
07/03/97	FMETL	27	124.1	ND	2	70.8	27810	4280	ND	5340	V,S,P,M
11/07/97	FMETL	ND	110	ND	ND	17.4	18930	2320	ND	5660	V,S,P,M
02/23/98	FMETL	ND	76	ND	ND	46.2	20450	2420	1.2	6400	V,S,P,M
05/07/98	FMETL	ND	34.5	ND	2.6	51.1	25500	2956	1.2	8018	V,S,P,M
08/06/98	FMETL	ND	117	2.27	ND	337	29100	3200	ND	14800	V,S,P,M
11/03/98	FMETL	ND	25.4	3.23	ND	13.8	19100	2530	5.69	28700	V,S,P,M
01/29/99	FMETL	ND	ND	ND	ND	35.8	40900	4550	20.6	6380	V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 01/29/99

NOTES:

Page 2 of 3.

FORT MONMOUTH

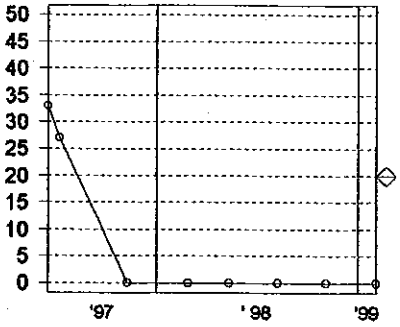
GW MONITORING
Bldg. M-14

Well 1 of 3 -

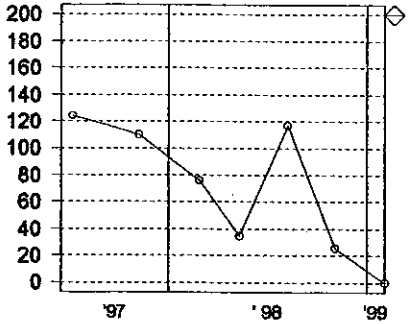
*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

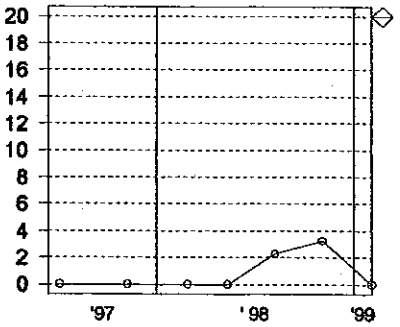
Silver (ug/l)



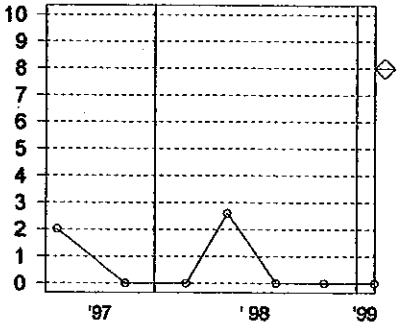
Aluminum (ug/l)



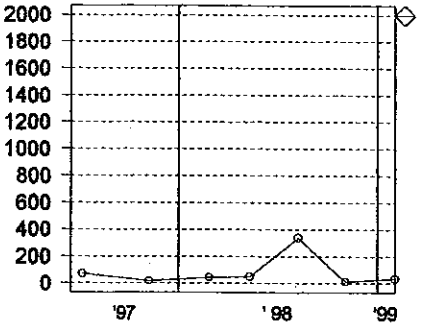
Antimony (ug/l)



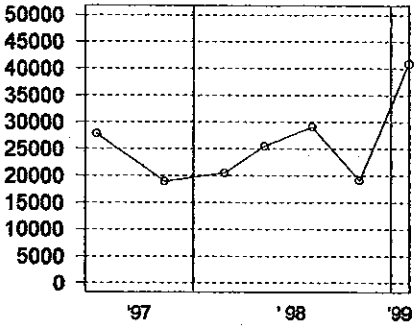
Arsenic (ug/l)



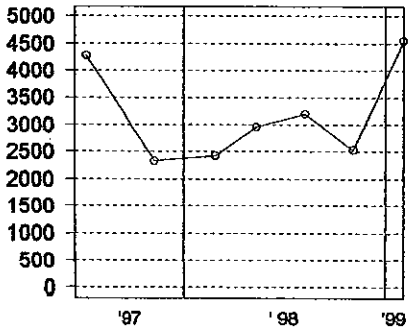
Barium (ug/l)



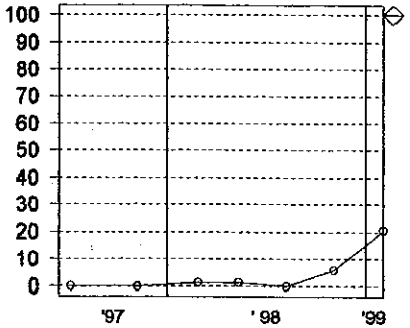
Calcium (ug/l)



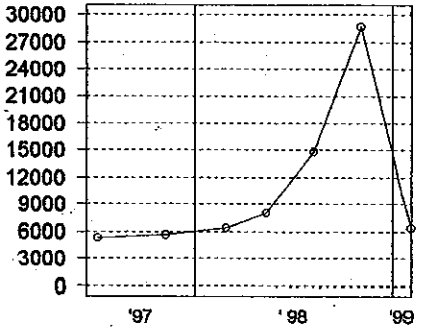
Magnesium (ug/l)



Nickel (ug/l)



Potassium (ug/l)



SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 01/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Sodium	Zinc	Depth to Water							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	50000	5000	-							-
06/12/97	FMETL	-	-.	6.90							V,S,P,M
07/03/97	FMETL	8320	21	7.20							V,S,P,M
11/07/97	FMETL	6580	67	7.35							V,S,P,M
02/23/98	FMETL	5940	21	6.40							V,S,P,M
05/07/98	FMETL	7202	23.9	6.51							V,S,P,M
08/06/98	FMETL	9130	61.3	7.84							V,S,P,M
11/03/98	FMETL	5360	72.6	8.01							V,S,P,M
01/29/99	FMETL	7810	664	6.43							V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 01/29/99

NOTES:

Page 3 of 3.

FORT MONMOUTH

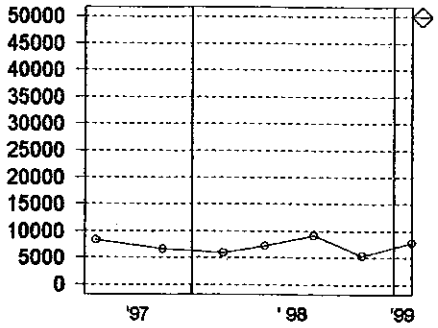
GW MONITORING
Bldg. M-14

Well 1 of 3

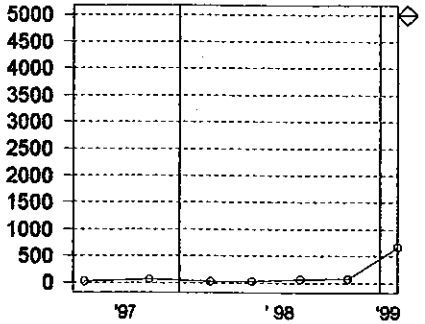
*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

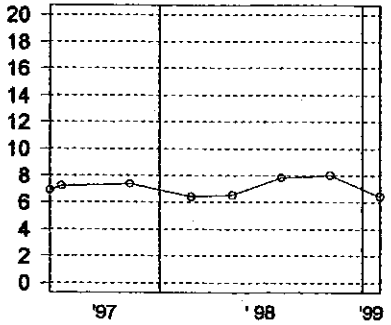
Sodium
(ug/l)



Zinc
(ug/l)



Depth to Water
(Feet)



SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 01/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech48\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Silanol, trimethyl-	Di-n-butyl phthalate	Phenanthrene	Propylene Glycol	2-Pentanone 4-hydroxy-4-methyl	Nonanamide	9-Octadecenamide, (Z)-	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	NLE	900	NLE	NLE	NLE	NLE	NLE	-
06/12/97	FMETL	ND	ND	5	3.86	ND	27	18	9	78	V,S,P,M
07/03/97	FMETL	ND	ND	7	1.31	0.56	ND	ND	ND	ND	V,S,P,M
11/07/97	FMETL	ND	ND	ND	2.09	ND	ND	ND	ND	ND	V,S,P,M
02/23/98	FMETL	ND	ND	ND	12.5	ND	ND	ND	ND	ND	V,S,P,M
05/07/98	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,S,P,M
08/06/98	FMETL	14.14	6.58	ND	ND	ND	ND	ND	ND	ND	V,S,P,M
11/03/98	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,S,P,M
01/29/99	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 01/29/99

NOTES:

Page 1 of 3.

FORT MONMOUTH

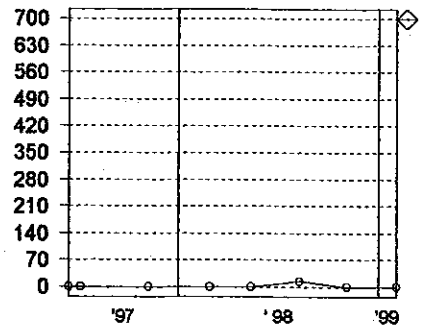
GW MONITORING
Bldg. M-14

Well 2 of 3

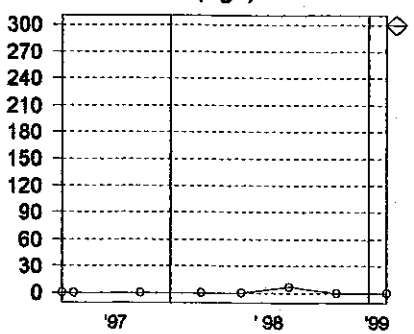
*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

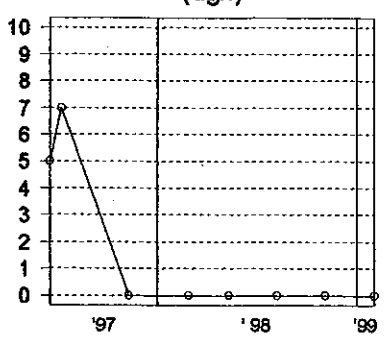
Acetone
(ug/l)



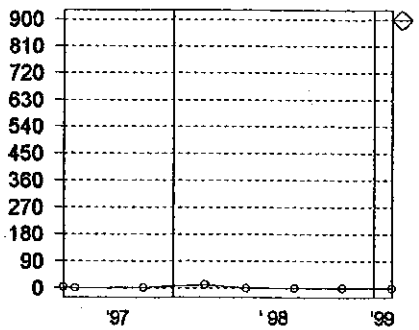
2-Butanone
(ug/l)



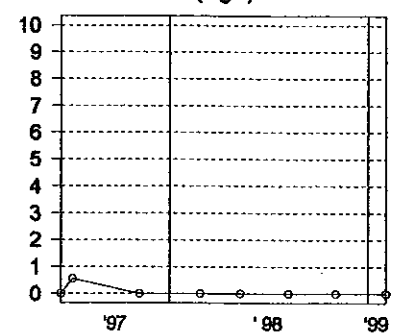
Silanol, trimethyl-
(ug/l)



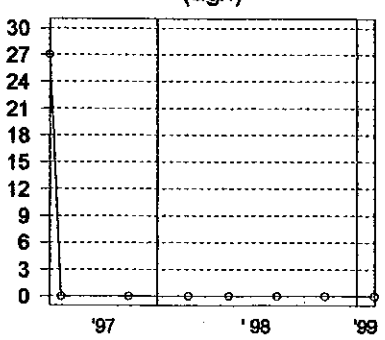
Di-n-butylphthalate
(ug/l)



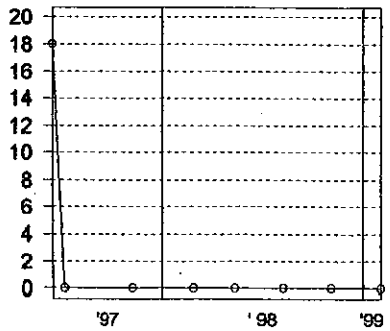
Phenanthrene
(ug/l)



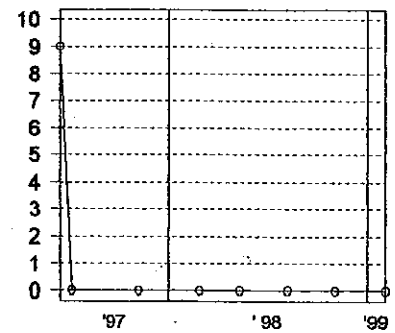
Propylene Glycol
(ug/l)



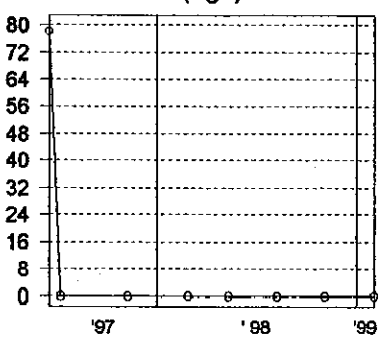
2-Pentanone, 4-hydroxy-4-methyl
(ug/l)



Nonanamide
(ug/l)



9-Octadecenamide, (Z)
(ug/l)



SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 01/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Barium	Calcium	Magnesium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	300	50	20	200	20	8	2000	NLE	NLE	-
06/12/97	FMETL	6990	147	32	-	-	-	-	-	-	V,S,P,M
07/03/97	FMETL	2470	75	29	21.2	ND	2	14.6	24700	2350	V,S,P,M
11/07/97	FMETL	2330	46	ND	71	ND	ND	14	34440	2420	V,S,P,M
02/23/98	FMETL	12550	677	ND	286	ND	ND	60.4	104400	8500	V,S,P,M
05/07/98	FMETL	ND	196	ND	ND	ND	ND	25.5	63960	4130	V,S,P,M
08/06/98	FMETL	6680	61	ND	270	2.74	3.77	30.6	37300	2980	V,S,P,M
11/03/98	FMETL	3360	57.8	ND	67.8	ND	3.94	17.7	41300	2730	V,S,P,M
01/29/99	FMETL	7210	146	ND	149	ND	ND	22.5	49400	2350	V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 01/29/99

NOTES:

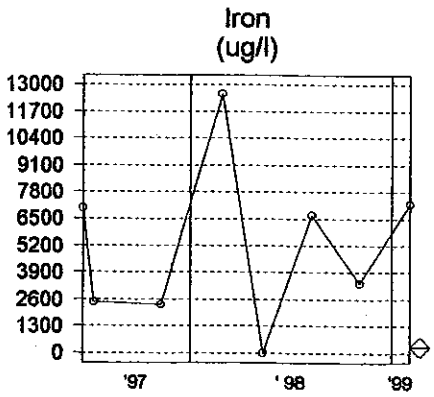
FORT MONMOUTH

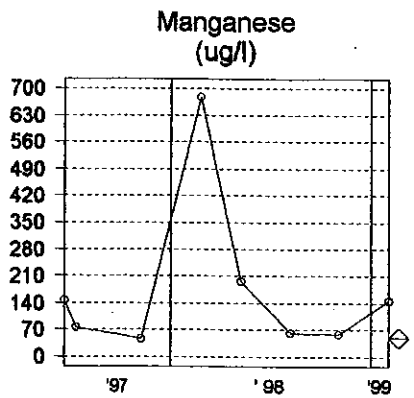
GW MONITORING
Bldg. M-14

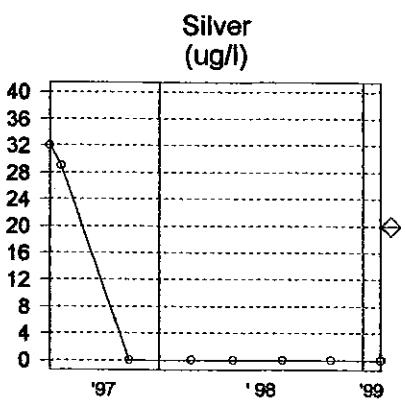
Well 2 of 3

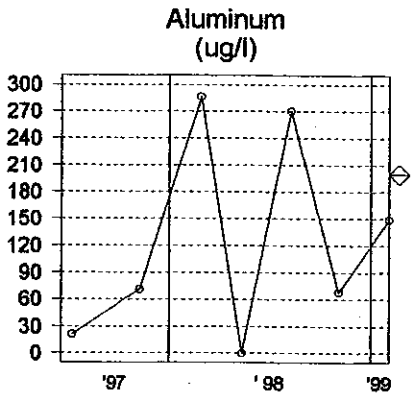
*Ag in blank > GW Criteria for 6/97 & 7/97.

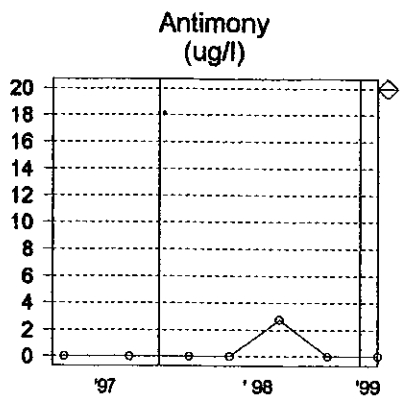
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

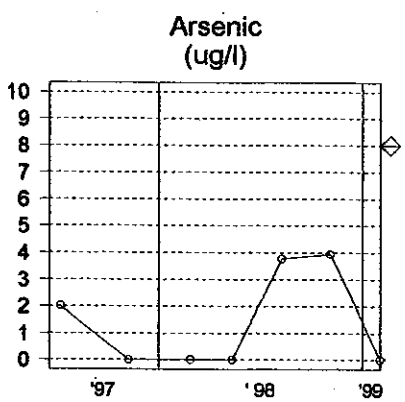


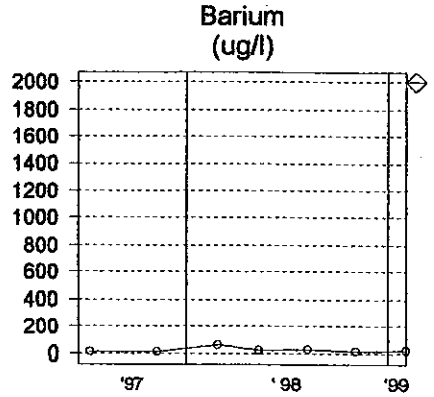


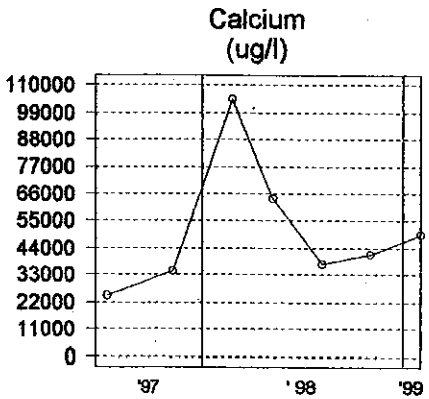


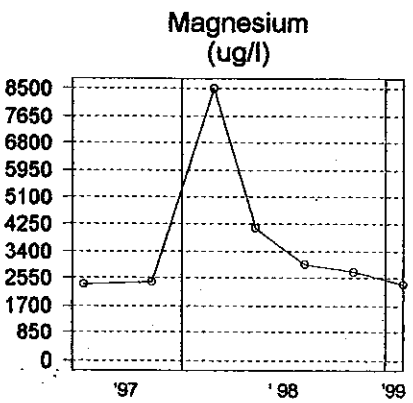












SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 01/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Nickel	Potassium	Sodium	Zinc	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	100	NLE	50000	5000	-					-
06/12/97	FMETL	-	-	-	-	6.25					V,S,P,M
07/03/97	FMETL	ND	5290	6000	24	6.60					V,S,P,M
11/07/97	FMETL	ND	5080	5860	45	6.50					V,S,P,M
02/23/98	FMETL	24	9500	14860	108	5.80					V,S,P,M
05/07/98	FMETL	8.4	10450	10630	12	5.85					V,S,P,M
08/06/98	FMETL	ND	7570	6400	42.1	6.94					V,S,P,M
11/03/98	FMETL	2.59	6110	5760	17.4	7.40					V,S,P,M
01/29/99	FMETL	14.6	5550	7180	133	6.20					V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 01/29/99

NOTES:

Page 3 of 3.

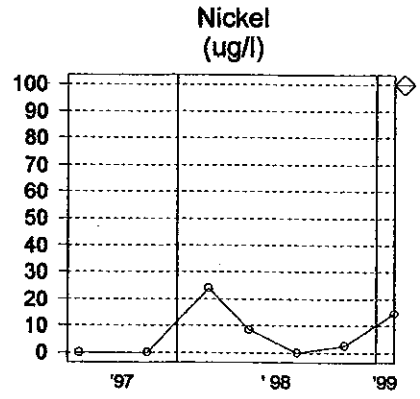
FORT MONMOUTH

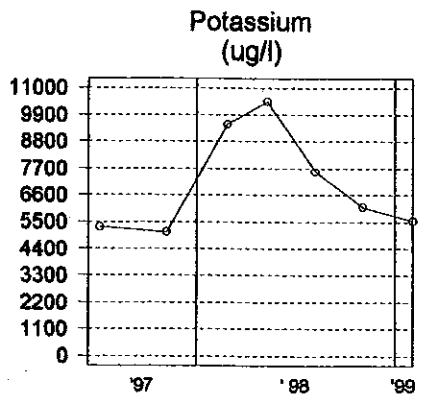
GW MONITORING
Bldg. M-14

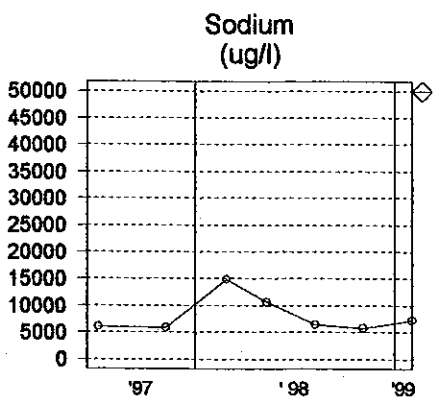
Well 2 of 3

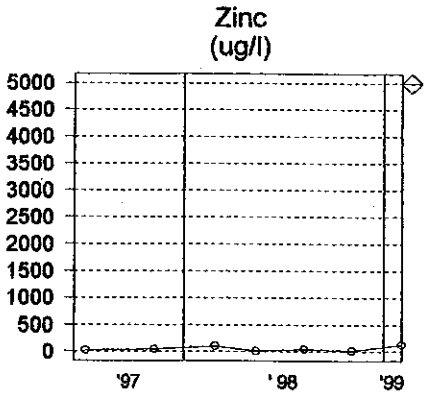
*Ag in blank > GW Criteria for 6/97 & 7/97.

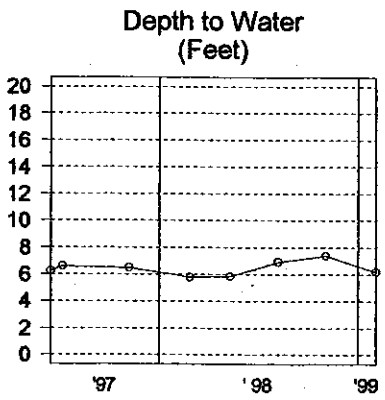
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 01/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Silanol, trimethyl-	Di-n-butyl phthalate	Propylene Glycol	2-Pentanone 4-hydroxy-4-methyl	Acenaphthene-d10	Nonanamide	Iron	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	NLE	900	NLE	NLE	NLE	NLE	300	-
06/12/97	FMETL	ND	ND	10	3.66	23	16	42	38	1470	V,S,P,M
07/03/97	FMETL	ND	ND	12	3.87	ND	ND	ND	ND	940	V,S,P,M
11/07/97	FMETL	ND	ND	74	1.46	ND	ND	ND	ND	690	V,S,P,M
02/23/98	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5440	V,S.P.M
05/07/98	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	1009	V,S,P,M
08/06/98	FMETL	11.41	5.22	ND	ND	ND	ND	ND	ND	3820	V,S,P,M
11/03/98	FMETL	6.57	ND	ND	ND	ND	ND	ND	ND	831	V,S,P,M
01/29/99	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	975	V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 01/29/99

NOTES:

Page 1 of 3.

FORT MONMOUTH

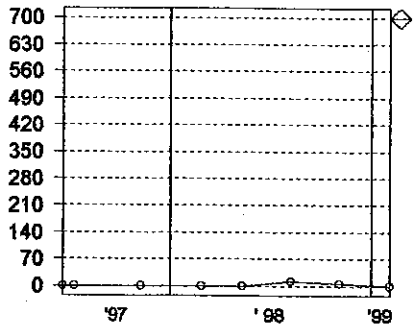
GW MONITORING
Bldg. M-14

Well 3 of 3

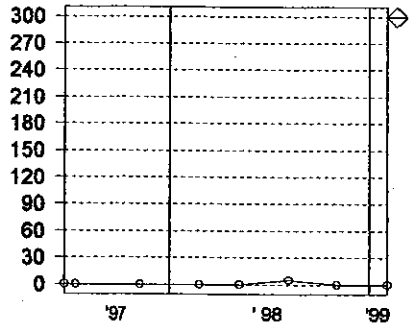
*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

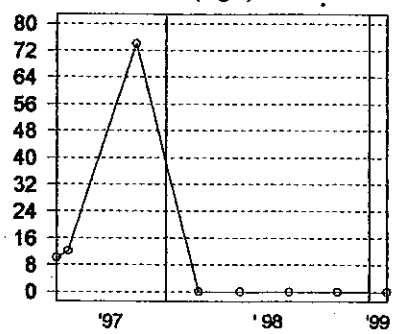
Acetone
(ug/l)



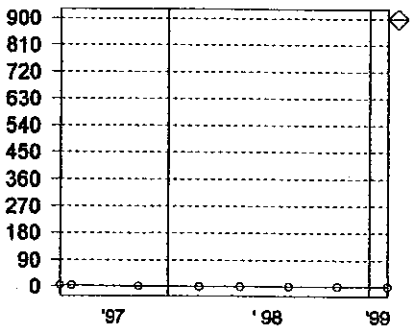
2-Butanone
(ug/l)



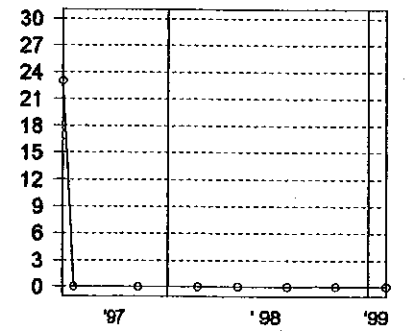
Silanol, trimethyl-
(ug/l)



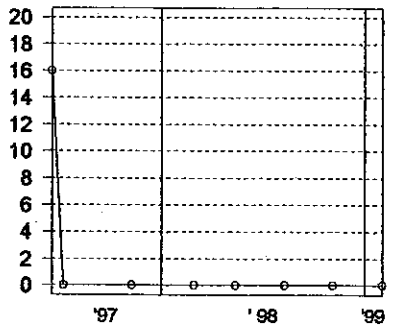
Di-n-butylphthalate
(ug/l)



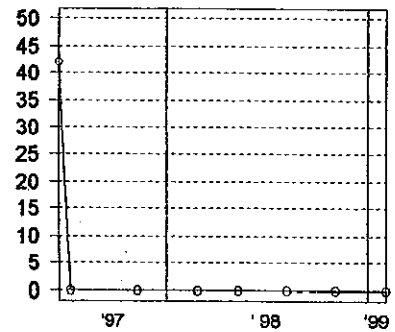
Propylene Glycol
(ug/l)



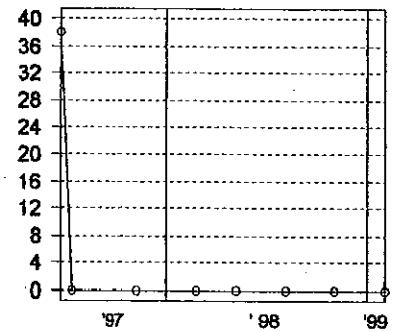
2-Pentanone, 4-hydroxy-4-methyl
(ug/l)



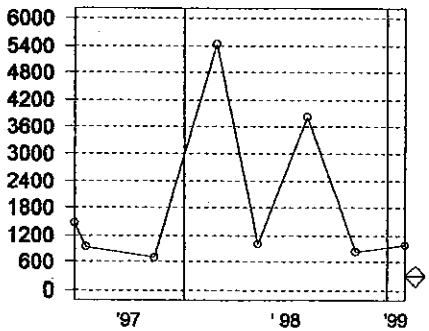
Acenaphthene-d10
(ug/l)



Nonanamide
(ug/l)



Iron
(ug/l)



SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 01/29/99.

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Manganese	Silver	Aluminum	Antimony	Barium	Calcium	Magnesium	Nickel	Potassium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	50	20	200	20	2000	NLE	NLE	100	NLE	-
06/12/97	FMETL	64	83	-	-	-	-	-	-	-	V,S,P,M
07/03/97	FMETL	84	56	26.8	ND	25.1	29690	4310	ND	6360	V,S,P,M
11/07/97	FMETL	58	ND	95	ND	23.6	34450	4140	5.9	6520	V,S,P,M
02/23/98	FMETL	85	ND	93	ND	97.1	48840	6670	3.8	9230	V,S.P.M
05/07/98	FMETL	54.6	ND	ND	3.4	33.1	45440	6389	1.5	10820	V,S,P,M
08/06/98	FMETL	91.9	ND	1190	3.8	43	44200	5090	1.29	12600	V,S,P,M
11/03/98	FMETL	117	ND	93	ND	73.4	86800	9390	2.19	11300	V,S,P,M
01/29/99	FMETL	67.4	ND	ND	ND	26.1	32300	3610	1.17	6240	V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 01/29/99

NOTES:

Page 2 of 3.

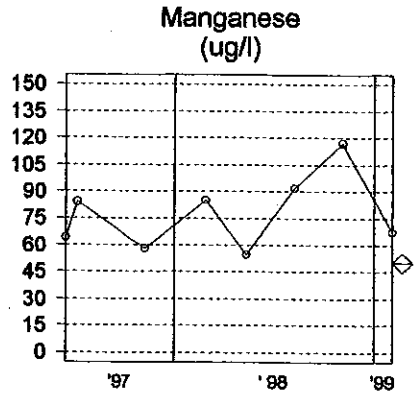
FORT MONMOUTH

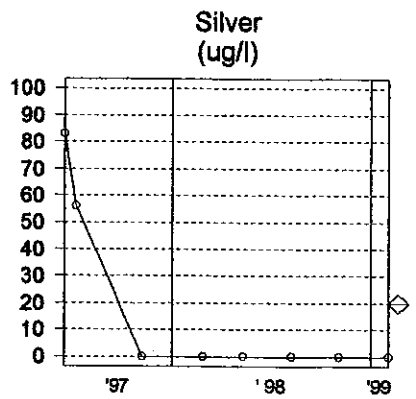
GW MONITORING
Bldg. M-14

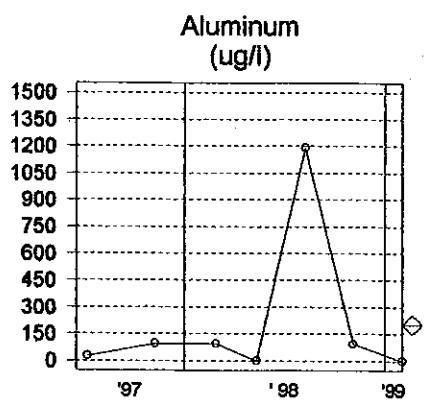
Well 3 of 3

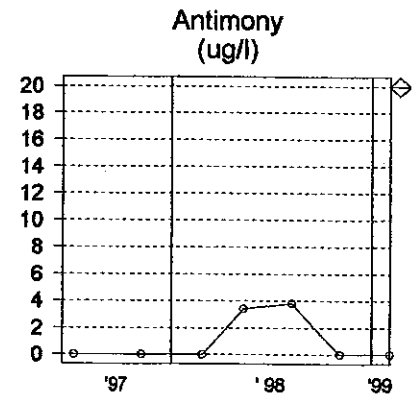
*Ag in blank > GW Criteria for 6/97 & 7/97.

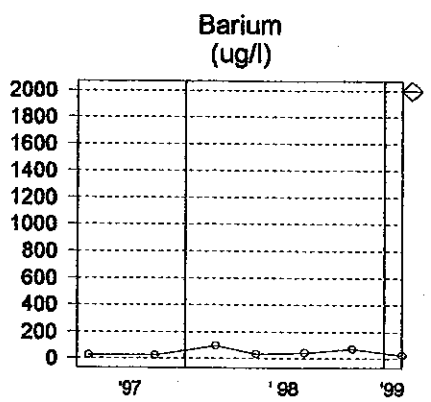
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

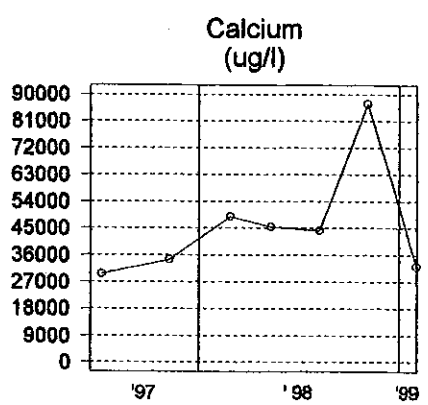


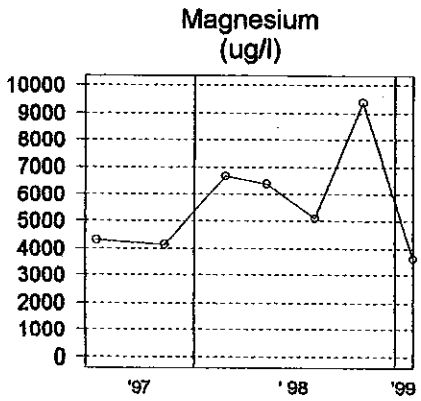


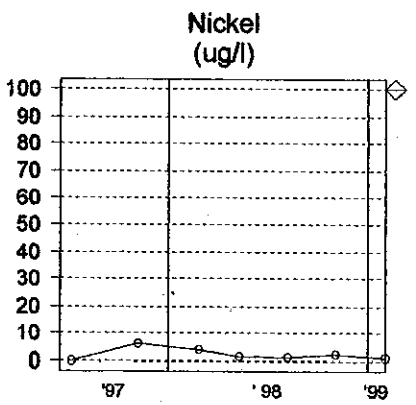


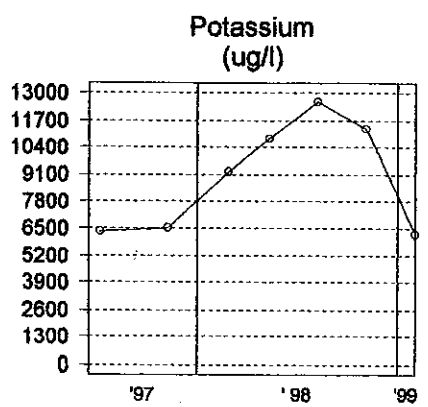












SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 01/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Sodium	Zinc	Depth to Water							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	50000	5000	-							-
06/12/97	FMETL	-	-	7.11							V,S,P,M
07/03/97	FMETL	6770	26	6.85							V,S,P,M
11/07/97	FMETL	10300	236	7.10							V,S,P,M
02/23/98	FMETL	25370	20	6.10							V,S.P.M
05/07/98	FMETL	11820	ND	6.22							V,S,P,M
08/06/98	FMETL	7930	47.5	6.83							V,S,P,M
11/03/98	FMETL	38800	ND	6.72							V,S,P,M
01/29/99	FMETL	12300	12	6.27							V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 01/29/99

NOTES:

Page 3 of 3.

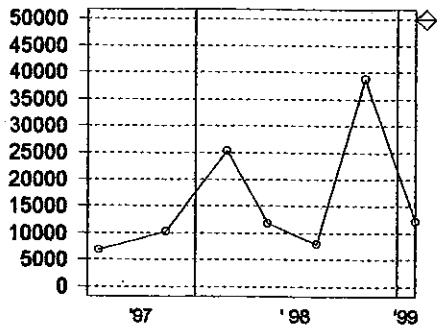
FORT MONMOUTH

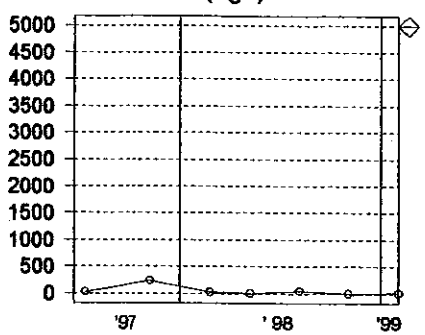
GW MONITORING
Bldg. M-14

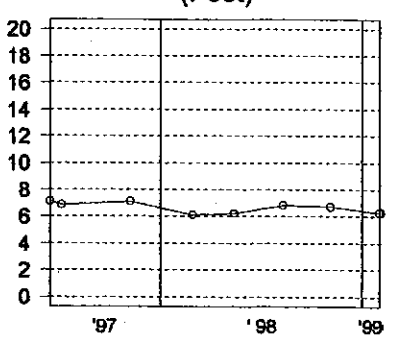
Well 3 of 3

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 01/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech48\fm\m-14\gw\m-14.wsf

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
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-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4510.01	0M14MW19	29-32579	05/25/99
4510.03	0M14MW20	29-32580	05/25/99
4510.02	0M14MW21	29-32581	05/25/99

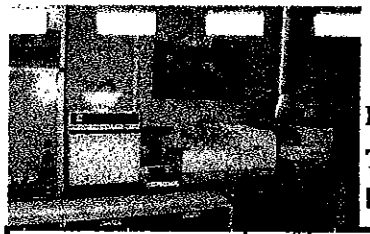
NJDEP Laboratory Certification # 13461

7-12-99
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:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: x26223
(X)DERA ( )OMA ( )Other:

Project No: LTM
Location: M-14

Samplers Name / Company: David Denhardt / TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA 15	PEST/PCB	BNA + 25	TAL METALS				HNU	Remarks / Preservation Method
4570. 01	OM14 MW 19	5/25	1315	AQ	5	/	/	/	/				0	HNO_3, HCl
02	OM14 MW 21	"	1413	"	5	/	/	/	/				0	HNO_3, HCl
03	OM14 MW 20	"	1406	"	9	/	/	/	/				20	* MS/MSD samples
														HNO_3, HCl

Analysis Parameters

Comments: PH METER BROKE ON FIRST READING OF OM14MW20 – WILL AFFECT SECOND READINGS FOR ALL WELLS IN M-14

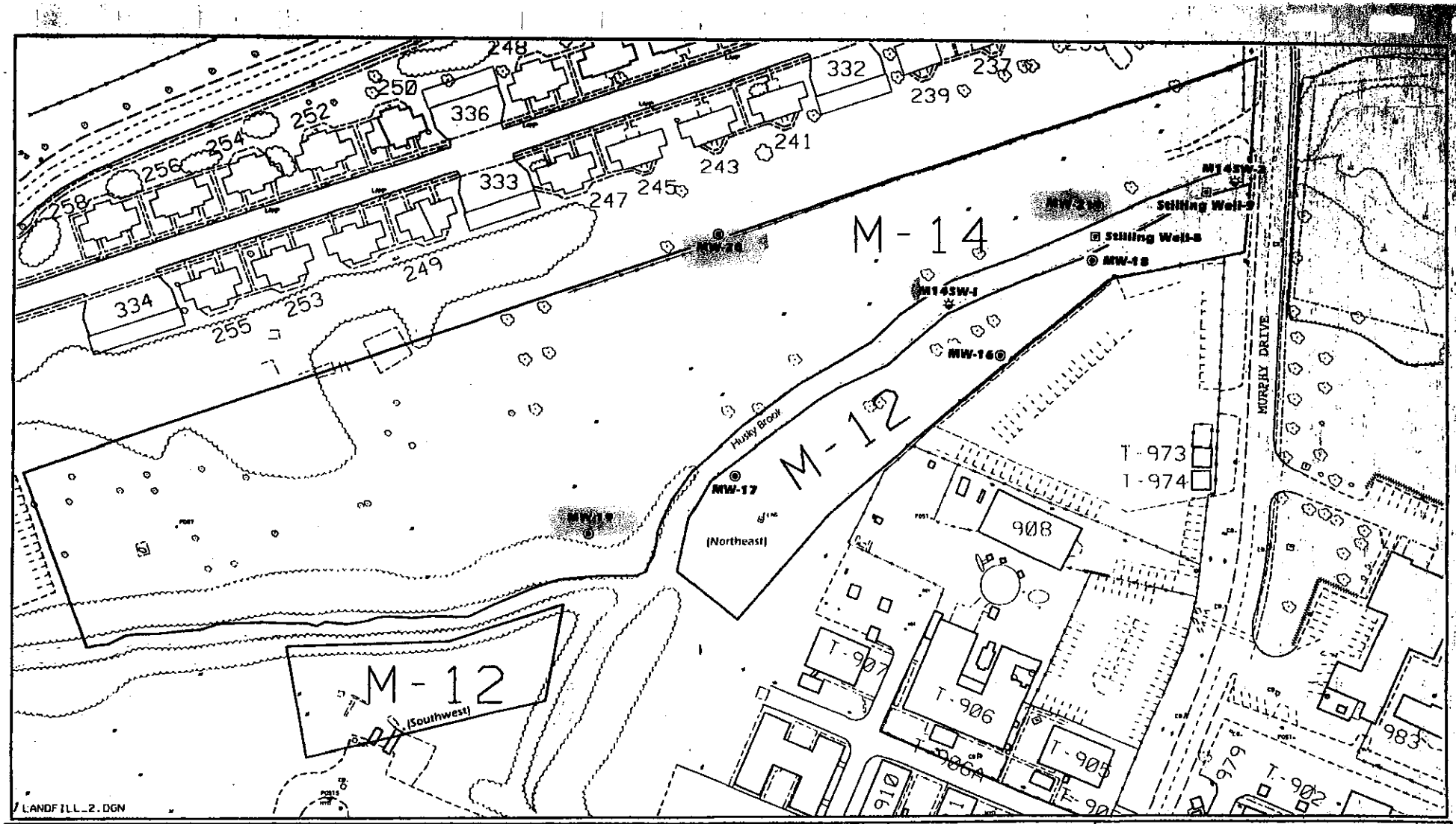
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
D Denhardt	5/25 1570	J. Vaughan			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: T.B + F.B Shared w/ M-14

print legibly

coc.XLS5/10/99



Fort Monmouth, Main Post

FIGURE 4.2-15
LANDFILLS 12 (M-12) AND 14 (M-14)
SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW19
NJDEP ID #: 29-32579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Deinhardt
DATE: 05/29/99
WEATHER: Sunny, Breezy.
TIDE: Outgoing.

ELEV. OF CASING SURVEY MARK: 9.68 ft
DEPTH TO WATER: 7.31 ft
DEPTH OF WELL: 17.50 ft
HEIGHT OF WATER: 10.19 ft
(10.19) X .65 X 3 = 19.87
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: 0.166 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 11:15
pH 6.76 su — TEMP 17.4 °C
DISSOLVED O_2 2.07 PPM — SPECIFIC CONDUCTIVITY 0.83 us/cm

PURGE END TIME: 13.15
pH su — TEMP 14.0 °C
DISSOLVED O_2 5.05 PPM — SPECIFIC CONDUCTIVITY us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.35 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 20 gal

pH su — TEMP 14.0 °C
DISSOLVED O_2 5.91 PPM — SPECIFIC CONDUCTIVITY us/cm

COMMENTS: pH meter out of comission.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW20
NJDEP ID #: 29-32580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Deinhardt
DATE: 05/25/99
WEATHER: Sunny, breezy.
TIDE: Outgoing

ELEV. OF CASING SURVEY MARK: 9.29 ft
DEPTH TO WATER: 6.78 ft
DEPTH OF WELL: 16.90 ft
HEIGHT OF WATER: 10.12 ft
(10.12) X .65 X 3 = 19.75
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: 0.158 GPM
Hnu READING: 20 PPM

PURGE START TIME: 12:00
pH su TEMP 14.7 °C
DISSOLVED O_2 2.2 PPM SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME: 14:06
pH su TEMP 15.6 °C
DISSOLVED O_2 5.03 PPM SPECIFIC CONDUCTIVITY us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.25 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 20 gal

pH .su TEMP 15.2 °C
DISSOLVED O_2 6.12 PPM SPECIFIC CONDUCTIVITY us/cm

COMMENTS: pH meter out of comission.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW21
NJDEP ID #: 29-32581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Deinhardt
DATE: 05/25/99
WEATHER: Sunny, breezy.
TIDE: Outgoing

ELEV. OF CASING SURVEY MARK: 9.57 ft
DEPTH TO WATER: 6.58 ft
DEPTH OF WELL: 19.30 ft
HEIGHT OF WATER: 12.72 ft
(12.72) X .65 X 3 = 24.8
GALLONS OF H2O TO BE PURGED: 24.8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: 0.123 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 10:53
pH 6.85 su
TEMP 15.3 °C
DISSOLVED O_2 5.65 PPM
SPECIFIC CONDUCTIVITY 0.76 us/cm

PURGE END TIME: 14:13
pH su
TEMP 17.4 °C
DISSOLVED O_2 11.8 PPM
SPECIFIC CONDUCTIVITY us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.06 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 24.8 gal

pH su
TEMP 15.7 °C
DISSOLVED O_2 8.71 PPM
SPECIFIC CONDUCTIVITY us/cm

COMMENTS: pH meter out of comission.

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

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

Data File	**VC000161.D**	Sample Name	**Vblk03**
Operator	**Skelton**	Field ID	**Vblk03**
Date Acquired	**27 May 1999 2:54 pm**	Sample Multiplic	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

6/1/99 3:34 PM

C:\HPCHEM\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Vblk03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4510 Location: M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: Vblk03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000161.D

Level: (low/med) LOW Date Received: 5/25/99

% Moisture: not dec. _____ Date Analyzed: 5/27/99

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	**VC000171.D**	Sample Name	**4510.01**
Operator	**Skelton**	Field ID	**0M14MW19**
Date Acquired	**27 May 1999 10:05 pm**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

FIELD ID: **OM14MW19**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4510 Location: M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4510.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000171.D

Level: (low/med) LOW Date Received: 5/25/99

% Moisture: not dec. Date Analyzed: 5/27/99

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	VC000172.D	Sample Name	4510.02
Operator	Skelton	Field ID	0M14MW21
Date Acquired	27 May 1999 10:47 pm	Sample Multiplie	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

6/1/99 3:34 PM

C:\HPCHEM\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **OM14 MW21**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4510 Location: M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4510.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000172.D

Level: (low/med) LOW Date Received: 5/25/99

% Moisture: not dec. Date Analyzed: 5/27/99

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	**VC000173.D**	Sample Name	**4510.03**
Operator	**Skelton**	Field ID	**0M14MW20**
Date Acquired	**27 May 1999 11:28 pm**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

6/1/99 3:34 PM

C:\HPCHEM\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **OM14MW20**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4510 Location: M-14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4510.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000173.D

Level: (low/med) LOW Date Received: 5/25/99

% Moisture: not dec. _____ Date Analyzed: 5/27/99

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

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA02649.D**	Sample Name	**Sblk254**
Operator	**Bhaskar**	Misc Info	**Sblk254 A 990526**
Date Acquired	**1-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA02649.D**	Sample Name	**Sblk254**
Operator	**Bhaskar**	Misc Info	**Sblk254 A 990526**
Date Acquired	**1-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 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: **Sblk254**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4510 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Sblk254

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02649.D

Level: (low/med) LOW Date Received: 5/25/99

% Moisture: decanted: (Y/N) N Date Extracted: 5/26/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/1/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.04	12	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA02666.D**	Sample Name	**Sblk256**
Operator	**Bhaskar**	Misc Info	**Sblk256 A 990528**
Date Acquired	**2-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA02666.D**	Sample Name	**Sblk256**
Operator	**Bhaskar**	Misc Info	**Sblk256 A 990528**
Date Acquired	**2-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 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: **Sblk256**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4510 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Sblk256

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02666.D

Level: (low/med) LOW Date Received: 5/25/99

% Moisture: decanted: (Y/N) N Date Extracted: 5/26/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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	**BNA02664.D**	Sample Name	**4510.01**
Operator	**Bhaskar**	Misc Info	**0M14MW19**
Date Acquired	**2-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA02664.D**	Sample Name	**4510.01**
Operator	**Bhaskar**	Misc Info	**0M14MW19**
Date Acquired	**2-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 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: **0M14MW19**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4510 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4510.01

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02664.D

Level: (low/med) LOW Date Received: 5/25/99

% Moisture: decanted: (Y/N) N Date Extracted: 5/26/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.04	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA02665.D**	Sample Name	**4510.02**
Operator	**Bhaskar**	Misc Info	**0M14MW21**
Date Acquired	**2-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA02665.D**	Sample Name	**4510.02**
Operator	**Bhaskar**	Misc Info	**0M14MW21**
Date Acquired	**2-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 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: **0M14MW21**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4510 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4510.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02665.D

Level: (low/med) LOW Date Received: 5/25/99

% Moisture: decanted: (Y/N) N Date Extracted: 5/26/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.05	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA02668.D**	Sample Name	**4510.03**
Operator	**Bhaskar**	Misc Info	**0M14MW20**
Date Acquired	**2-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA02668.D**	Sample Name	**4510.03**
Operator	**Bhaskar**	Misc Info	**0M14MW20**
Date Acquired	**2-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 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: **0M14MW20**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4510 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4510.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02668.D

Level: (low/med) LOW Date Received: 5/25/99

% Moisture: decanted: (Y/N) N Date Extracted: 5/28/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.05	4	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA02670.D**	Sample Name	**4510.03Dup**
Operator	**Bhaskar**	Misc Info	**0M14MW20Dup**
Date Acquired	**2-Jun-99**	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA02670.D**	Sample Name	**4510.03Dup**
Operator	**Bhaskar**	Misc Info	**0M14MW20Dup**
Date Acquired	**2-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

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

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0M14MW20Dup**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4510 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4510.03Dup

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02670.D

Level: (low/med) LOW Date Received: 5/25/99

% Moisture: decanted: (Y/N) N Date Extracted: 5/28/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/2/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.04	8	J

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

Client :	U.S. Army	**Lab. ID # :**	BLK341
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	5/27/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/4/99
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	4510.01
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/25/99
	Bldg. 173	**Extraction Date:**	5/27/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/4/99
Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	4510.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/25/99
	Bldg. 173	**Extraction Date:**	5/27/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/4/99
Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	4510.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/25/99
	Bldg. 173	**Extraction Date:**	5/27/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/4/99
Analysis:	EPA Method 608	**Location :**	M-14
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1	16.04	0.10	0.0022	**0.010**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

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

Lab ID #: 4510
Sample Prepared: 06/17/99

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/17/99	52.3	200	10.0
Antimony	06/17/99	2.35	20	2.0
Arsenic	06/17/99	ND	8	2.0
Barium	06/17/99	0.84	2000	0.5
Beryllium	06/17/99	ND	20	0.5
Cadmium	06/17/99	0.57	4	0.5
Calcium	06/17/99	129	NLE	20.0
Chromium	06/17/99	ND	100	0.5
Cobalt	06/17/99	ND	NLE	0.5
Copper	06/17/99	38.1	1000	3.0
Iron	06/17/99	32.0	300	10.0
Lead	06/17/99	ND	10	2.0
Magnesium	06/17/99	108	NLE	20.0
Manganese	06/17/99	ND	50	0.5
Mercury	06/23/99	ND	2	0.1
Nickel	06/17/99	1.89	100	0.5
Potassium	06/17/99	208	NLE	20.0
Selenium	06/17/99	ND	50	3.0
Silver	06/17/99	ND	20	3.0
Sodium	06/17/99	163	50000	20.0
Thallium	06/17/99	ND	10	3.0
Vanadium	06/17/99	ND	NLE	1.0
Zinc	06/17/99	16.2	5000	1.0

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 #: 4510.01
Sample Received: 05/25/99
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/17/99	154	200	10.0
Antimony	06/17/99	ND	20	2.0
Arsenic	06/17/99	ND	8	2.0
Barium	06/17/99	59.2	2000	0.5
Beryllium	06/17/99	ND	20	0.5
Cadmium	06/17/99	0.996	4	0.5
Calcium	06/17/99	28800	NLE	20.0
Chromium	06/17/99	2.59	100	0.5
Cobalt	06/17/99	ND	NLE	0.5
Copper	06/17/99	11.7	1000	3.0
Iron	06/17/99	40400	300	10.0
Lead	06/17/99	2.57	10	2.0
Magnesium	06/17/99	3470	NLE	20.0
Manganese	06/17/99	314	50	0.5
Mercury	06/23/99	ND	2	0.1
Nickel	06/17/99	0.931	100	0.5
Potassium	06/17/99	7310	NLE	20.0
Selenium	06/17/99	ND	50	3.0
Silver	06/17/99	ND	20	3.0
Sodium	06/17/99	9220	50000	20.0
Thallium	06/17/99	ND	10	3.0
Vanadium	06/17/99	2.04	NLE	1.0
Zinc	06/17/99	4.98	5000	1.0

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 #: 4510.02
Sample Received: 05/25/99
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/17/99	139	200	10.0
Antimony	06/17/99	ND	20	2.0
Arsenic	06/17/99	ND	8	2.0
Barium	06/17/99	43.0	2000	0.5
Beryllium	06/17/99	ND	20	0.5
Cadmium	06/17/99	1.63	4	0.5
Calcium	06/17/99	45700	NLE	20.0
Chromium	06/17/99	4.96	100	0.5
Cobalt	06/17/99	ND	NLE	0.5
Copper	06/17/99	17.6	1000	3.0
Iron	06/17/99	1490	300	10.0
Lead	06/17/99	ND	10	2.0
Magnesium	06/17/99	5560	NLE	20.0
Manganese	06/17/99	88.8	50	0.5
Mercury	06/23/99	ND	2	0.1
Nickel	06/17/99	4.32	100	0.5
Potassium	06/17/99	7770	NLE	20.0
Selenium	06/17/99	ND	50	3.0
Silver	06/17/99	ND	20	3.0
Sodium	06/17/99	14000	50000	20.0
Thallium	06/17/99	ND	10	3.0
Vanadium	06/17/99	1.14	NLE	1.0
Zinc	06/17/99	2.30	5000	1.0

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 #: 4510.03
Sample Received: 05/25/99
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/17/99	538	200	10.0
Antimony	06/17/99	5.05	20	2.0
Arsenic	06/17/99	5.38	8	2.0
Barium	06/17/99	65.2	2000	0.5
Beryllium	06/17/99	ND	20	0.5
Cadmium	06/17/99	2.59	4	0.5
Calcium	06/17/99	60700	NLE	20.0
Chromium	06/17/99	3.75	100	0.5
Cobalt	06/17/99	0.954	NLE	0.5
Copper	06/17/99	18.4	1000	3.0
Iron	06/17/99	29100	300	10.0
Lead	06/17/99	4.13	10	2.0
Magnesium	06/17/99	3870	NLE	20.0
Manganese	06/17/99	231	50	0.5
Mercury	06/23/99	ND	2	0.1
Nickel	06/17/99	5.99	100	0.5
Potassium	06/17/99	7950	NLE	20.0
Selenium	06/17/99	ND	50	3.0
Silver	06/17/99	ND	20	3.0
Sodium	06/17/99	9230	50000	20.0
Thallium	06/17/99	ND	10	3.0
Vanadium	06/17/99	3.01	NLE	1.0
Zinc	06/17/99	27.1	5000	1.0

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

	Laboratory	Acetone	2-Butanone	Silanol, trimethyl-	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	NLE	900	300	50	20	200	20	-
06/12/97	FMETL	ND	ND	14	2.06	27000	57	33	-	-	V,S,P,M
07/03/97	FMETL	ND	ND	60	1.04	30300	290	27	124.1	ND	V,S,P,M
11/07/97	FMETL	ND	ND	53	1.60	11600	136	ND	110	ND	V,S,P,M
02/23/98	FMETL	ND	ND	ND	7.20	50590	119	ND	76	ND	V,S,P,M
05/07/98	FMETL	ND	ND	ND	ND	48050	172	ND	34.5	ND	V,S,P,M
08/06/98	FMETL	5.25	4.38	ND	ND	19900	219	ND	117	2.27	V,S,P,M
11/03/98	FMETL	ND	ND	ND	ND	14700	100	ND	25.4	3.23	V,S,P,M
01/29/99	FMETL	ND	ND	ND	ND	41400	654	ND	ND	ND	V,S,P,M
05/25/99	FMETL	ND	ND	ND	ND	40400	314	ND	154	ND	V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 05/25/99

NOTES:

Page 1 of 2.

FORT MONMOUTH

GW MONITORING
Bldg. M-14

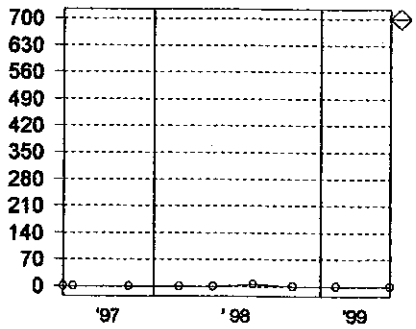
Well 1 of 3

*Ag in blank > GW Criteria for 6/97 & 7/97.

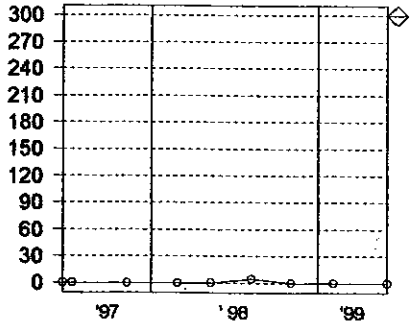
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-06-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

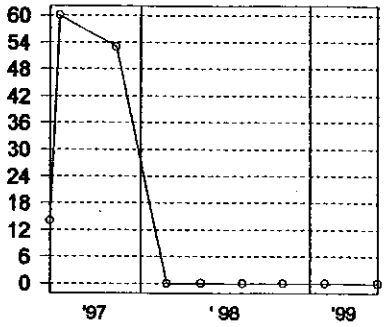
Acetone
(ug/l)



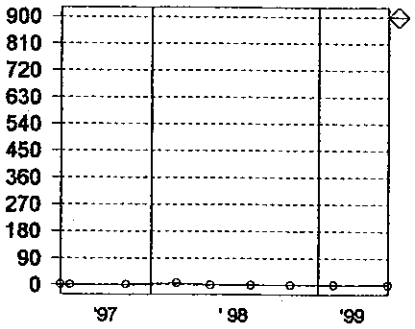
2-Butanone
(ug/l)



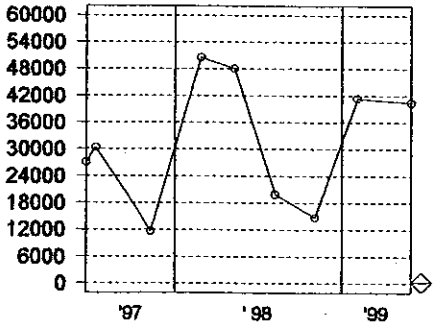
Silanol, trimethyl-
(ug/l)



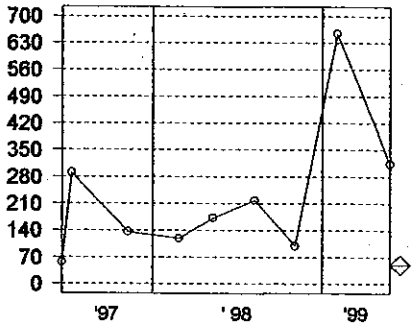
Di-n-butylphthalate
(ug/l)



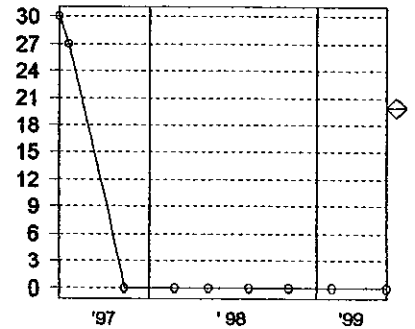
Iron
(ug/l)



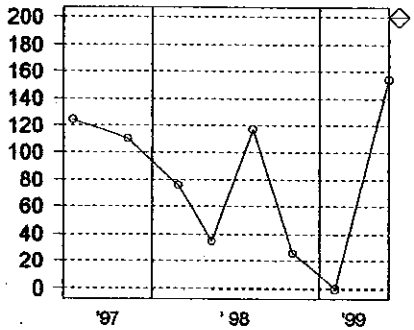
Manganese
(ug/l)



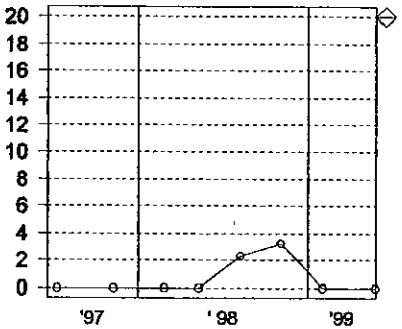
Silver
(ug/l)



Aluminum
(ug/l)



Antimony
(ug/l)



SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 05/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-06-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Arsenic	Barium	Calcium	Magnesium	Nickel	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:	-	8	2000	NLE	NLE	100	NLE	50000	5000	-	-
06/12/97	FMETL	-	-	-	-	-	-	-	-	6.90	V,S,P,M
07/03/97	FMETL	2	70.8	27810	4280	ND	5340	8320	21	7.20	V,S,P,M
11/07/97	FMETL	ND	17.4	18930	2320	ND	5660	6580	67	7.35	V,S,P,M
02/23/98	FMETL	ND	46.2	20450	2420	1.2	6400	5940	21	6.40	V,S,P,M
05/07/98	FMETL	2.6	51.1	25500	2956	1.2	8018	7202	23.9	6.51	V,S,P,M
08/06/98	FMETL	ND	337	29100	3200	ND	14800	9130	61.3	7.84	V,S,P,M
11/03/98	FMETL	ND	13.8	19100	2530	5.69	28700	5360	72.6	8.01	V,S,P,M
01/29/99	FMETL	ND	35.8	40900	4550	20.6	6380	7810	664	6.43	V,S,P,M
05/25/99	FMETL	ND	59.2	28800	3470	0.931	7310	9220	4.98	7.31	V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 05/25/99

NOTES:

Page 2 of 2.

FORT MONMOUTH

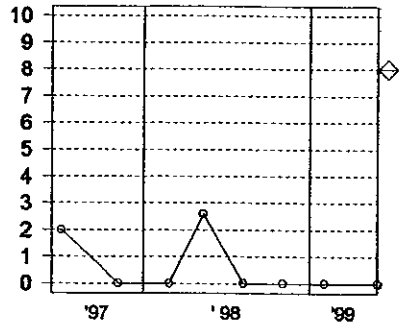
GW MONITORING
Bldg. M-14

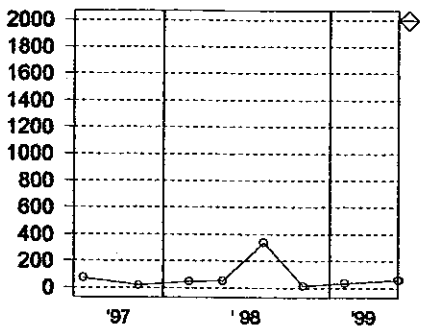
Well 1 of 3

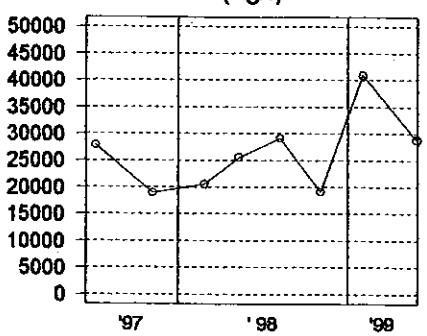
*Ag in blank > GW Criteria for 6/97 & 7/97.

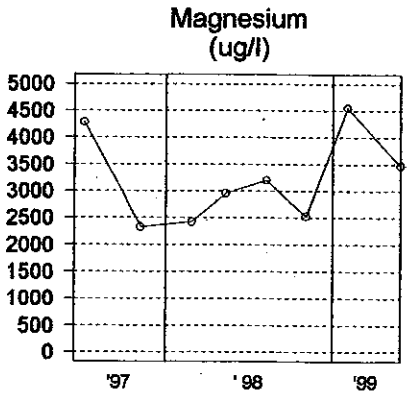
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

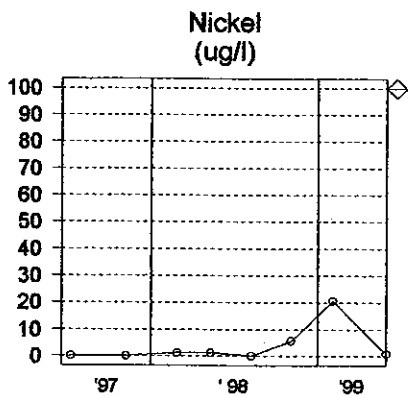
07-06-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

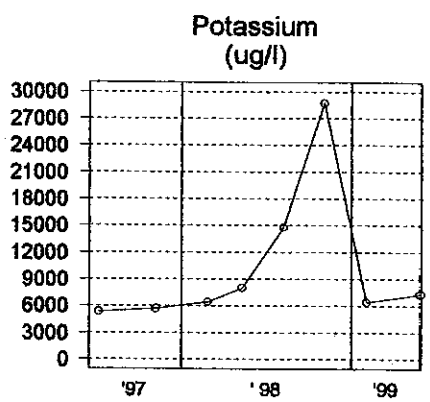


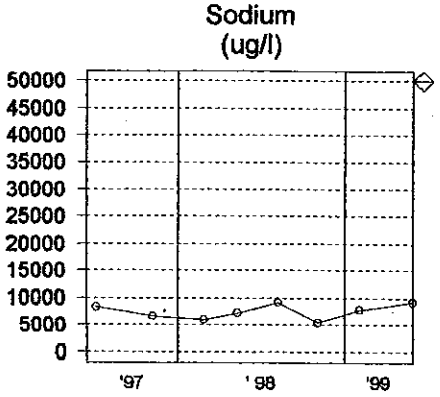


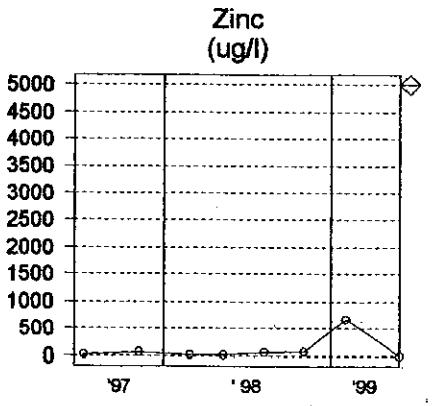


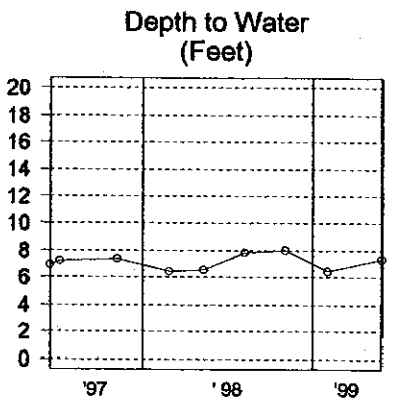












SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 05/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-06-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Silanol, trimethyl-	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	NLE	900	300	50	20	200	20	-
06/12/97	FMETL	ND	ND	5	3.86	6990	147	32	-	-	V,S,P,M
07/03/97	FMETL	ND	ND	7	1.31	2470	75	29	21.2	ND	V,S,P,M
11/07/97	FMETL	ND	ND	ND	2.09	2330	46	ND	71	ND	V,S,P,M
02/23/98	FMETL	ND	ND	ND	12.5	12550	677	ND	286	ND	V,S,P,M
05/07/98	FMETL	ND	ND	ND	ND	ND	196	ND	ND	ND	V,S,P,M
08/06/98	FMETL	14.14	6.58	ND	ND	6680	61	ND	270	2.74	V,S,P,M
11/03/98	FMETL	ND	ND	ND	ND	3360	57.8	ND	67.8	ND	V,S,P,M
01/29/99	FMETL	ND	ND	ND	ND	7210	146	ND	149	ND	V,S,P,M
05/25/99	FMETL	ND	ND	ND	ND	1490	88.8	ND	139	ND	V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 05/25/99

NOTES:

Page 1 of 2.

FORT MONMOUTH

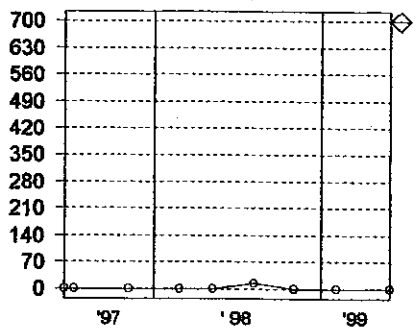
GW MONITORING
Bldg. M-14

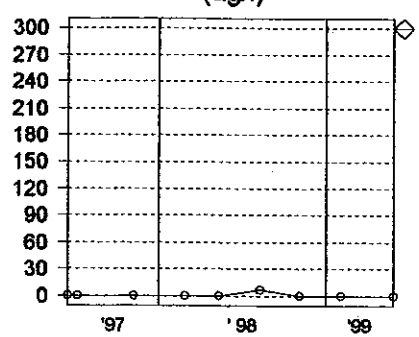
Well 2 of 3

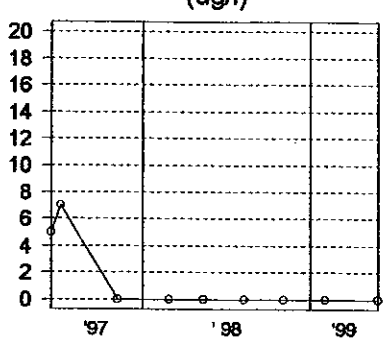
*Ag in blank > GW Criteria for 6/97 & 7/97.

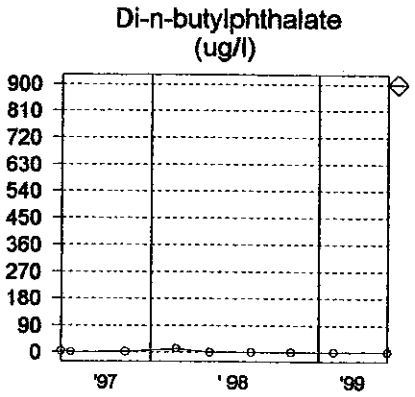
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

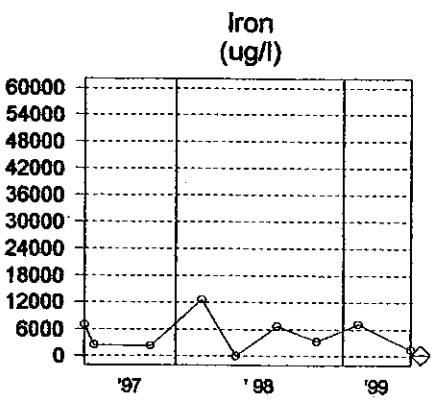
07-06-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

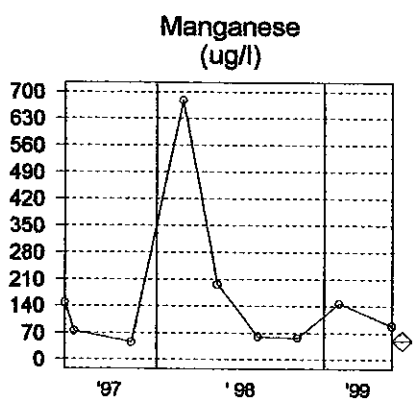


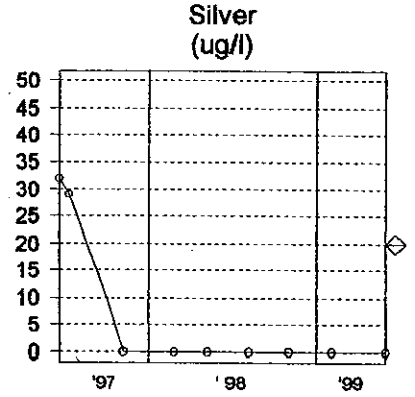


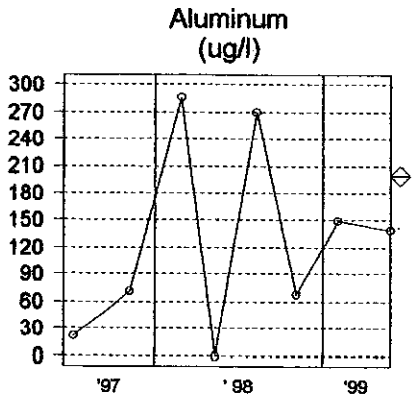


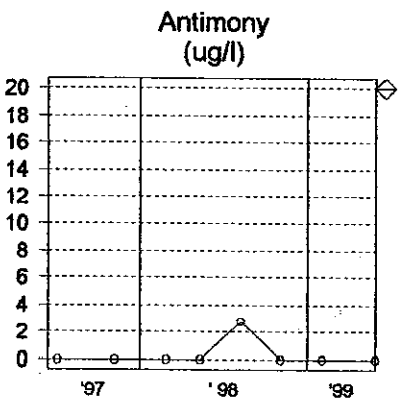












SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 05/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-06-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Arsenic	Barium	Calcium	Magnesium	Nickel	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:	-	8	2000	NLE	NLE	100	NLE	50000	5000	-	-
06/12/97	FMETL	-	-	-	-	-	-	-	-	6.25	V,S,P,M
07/03/97	FMETL	2	14.6	24700	2350	ND	5290	6000	24	6.60	V,S,P,M
11/07/97	FMETL	ND	14	34440	2420	ND	5080	5860	45	6.50	V,S,P,M
02/23/98	FMETL	ND	60.4	104400	8500	24	9500	14860	108	5.80	V,S,P,M
05/07/98	FMETL	ND	25.5	63960	4130	8.4	10450	10630	12	5.85	V,S,P,M
08/06/98	FMETL	3.77	30.6	37300	2980	ND	7570	6400	42.1	6.94	V,S,P,M
11/03/98	FMETL	3.94	17.7	41300	2730	2.59	6110	5760	17.4	7.40	V,S,P,M
01/29/99	FMETL	ND	22.5	49400	2350	14.6	5550	7180	133	6.20	V,S,P,M
05/25/99	FMETL	ND	43	45700	5560	4.32	7770	14000	2.3	6.78	V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 05/25/99

NOTES:

Page 2 of 2.

FORT MONMOUTH

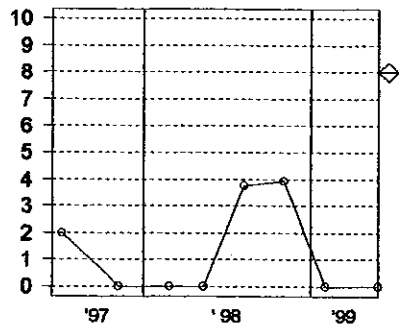
GW MONITORING
Bldg. M-14

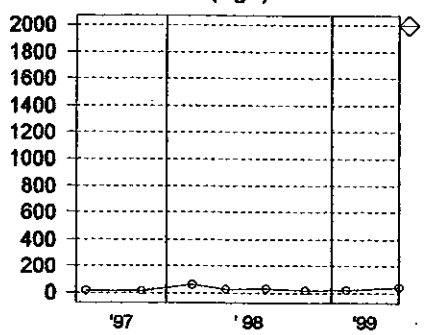
Well 2 of 3

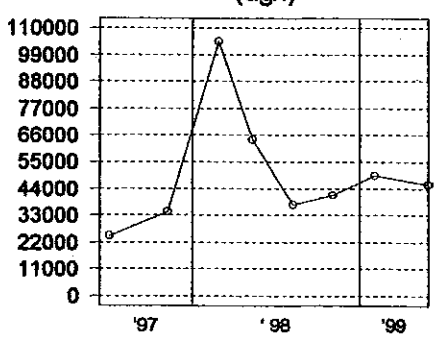
*Ag in blank > GW Criteria for 6/97 & 7/97.

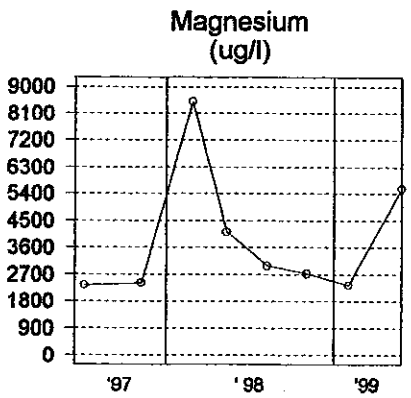
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

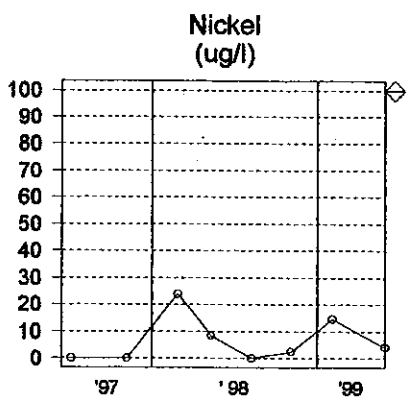
07-06-1999 c:\mtech48\fm\m-14\gw\m-14.wsf

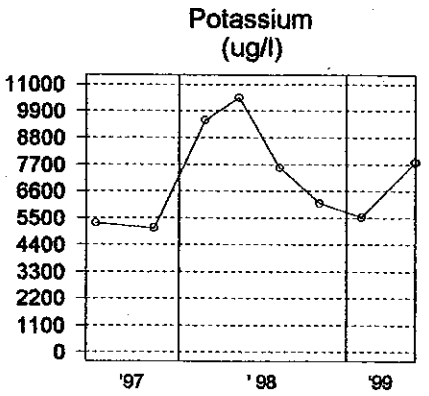


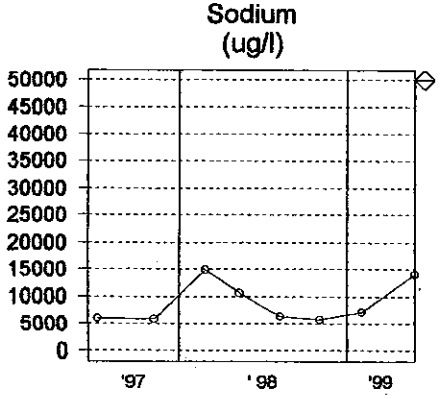


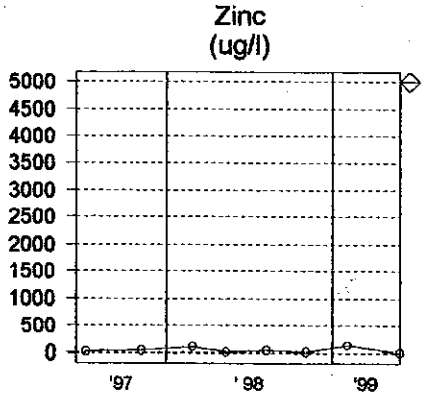


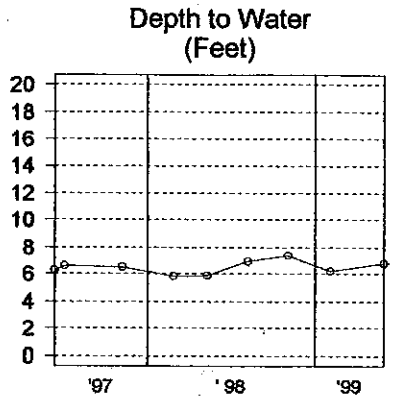












SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 05/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-06-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Silanol, trimethyl-	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	NLE	900	300	50	20	200	20	-
06/12/97	FMETL	ND	ND	10	3.66	1470	64	83	-	-	V,S,P,M
07/03/97	FMETL	ND	ND	12	3.87	940	84	56	26.8	ND	V,S,P,M
11/07/97	FMETL	ND	ND	74	1.46	690	58	ND	95	ND	V,S,P,M
02/23/98	FMETL	ND	ND	ND	ND	5440	85	ND	93	ND	V,S,P,M
05/07/98	FMETL	ND	ND	ND	ND	1009	54.6	ND	ND	3.4	V,S,P,M
08/06/98	FMETL	11.41	5.22	ND	ND	3820	91.9	ND	1190	3.8	V,S,P,M
11/03/98	FMETL	6.57	ND	ND	ND	831	117	ND	93	ND	V,S,P,M
01/29/99	FMETL	ND	ND	ND	ND	975	67.4	ND	ND	ND	V,S,P,M
05/25/99	FMETL	ND	ND	ND	ND	29100	231	ND	538	5.05	V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 05/25/99

NOTES:

Page 1 of 2.

FORT MONMOUTH

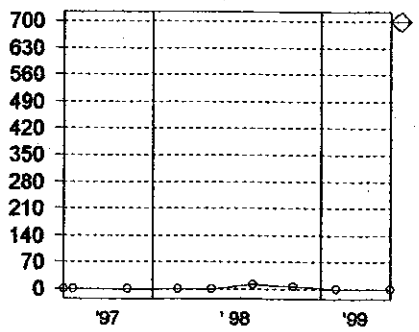
GW MONITORING
Bldg. M-14

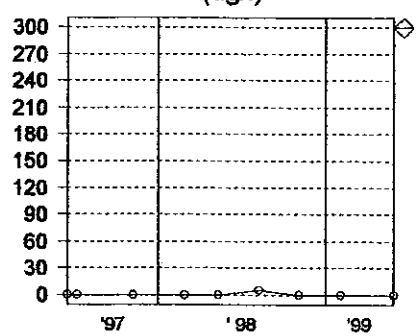
Well 3 of 3

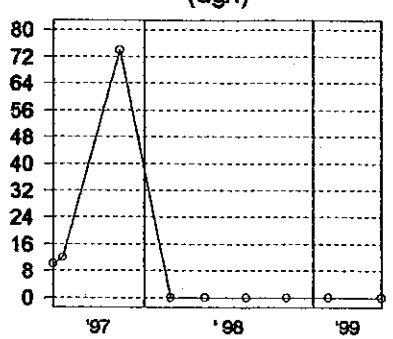
*Ag in blank > GW Criteria for 6/97 & 7/97.

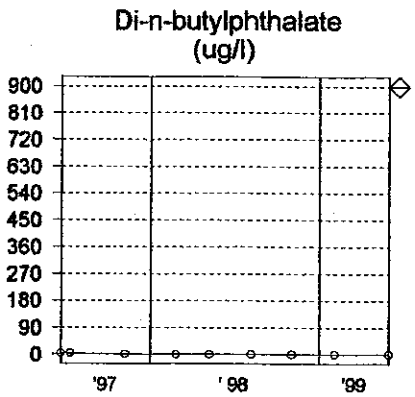
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

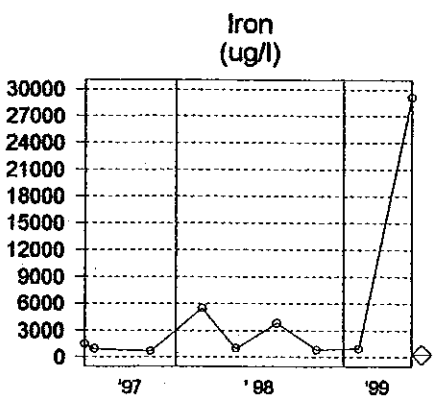
07-06-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

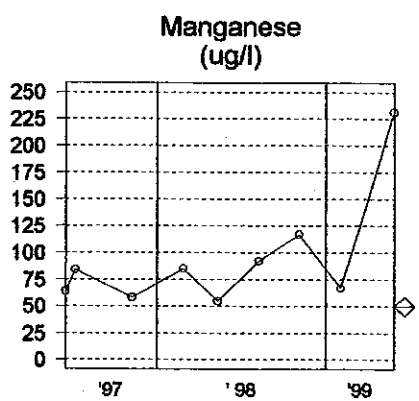


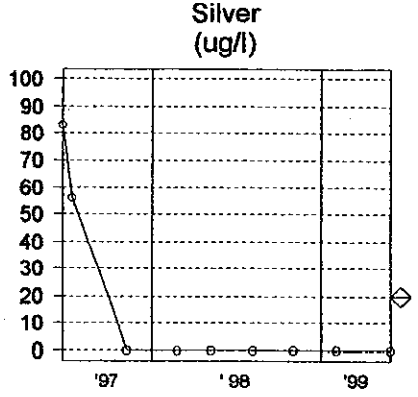


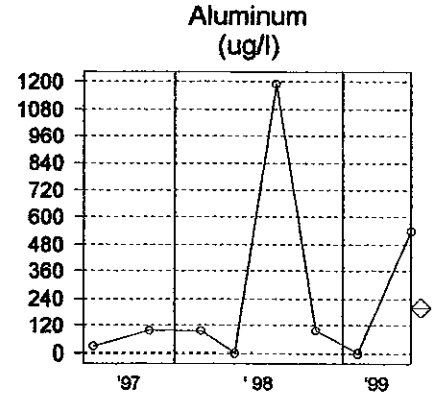


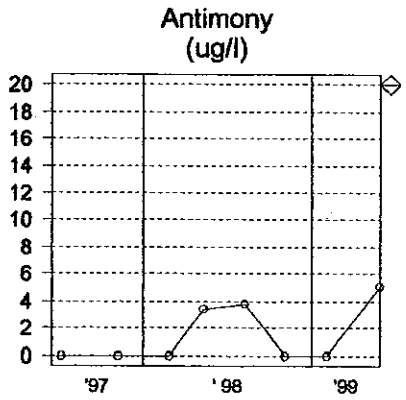












SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 05/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-06-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Arsenic	Barium	Calcium
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	8	2000	NLE
06/12/97	FMETL	-	-	-
07/03/97	FMETL	ND	25.1	29690
11/07/97	FMETL	ND	23.6	34450
02/23/98	FMETL	ND	97.1	48840
05/07/98	FMETL	ND	33.1	45440
08/06/98	FMETL	ND	43	44200
11/03/98	FMETL	ND	73.4	86800
01/29/99	FMETL	ND	26.1	32300
05/25/99	FMETL	5.38	65.2	60700

	Laboratory	Arsenic	Barium	Calcium	Magnesium	Nickel	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:	-	8	2000	NLE	NLE	100	NLE	50000	5000	-	-
06/12/97	FMETL	-	-	-	-	-	-	-	-	7.11	V,S,P,M
07/03/97	FMETL	ND	25.1	29690	4310	ND	6360	6770	26	6.85	V,S,P,M
11/07/97	FMETL	ND	23.6	34450	4140	5.9	6520	10300	236	7.10	V,S,P,M
02/23/98	FMETL	ND	97.1	48840	6670	3.8	9230	25370	20	6.10	V,S.P.M
05/07/98	FMETL	ND	33.1	45440	6389	1.5	10820	11820	ND	6.22	V,S,P,M
08/06/98	FMETL	ND	43	44200	5090	1.29	12600	7930	47.5	6.83	V,S,P,M
11/03/98	FMETL	ND	73.4	86800	9390	2.19	11300	38800	ND	6.72	V,S,P,M
01/29/99	FMETL	ND	26.1	32300	3610	1.17	6240	12300	12	6.27	V,S,P,M
05/25/99	FMETL	5.38	65.2	60700	3870	5.99	7950	9230	27.1	6.58	V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 05/25/99

NOTES:

Page 2 of 2.

FORT MONMOUTH

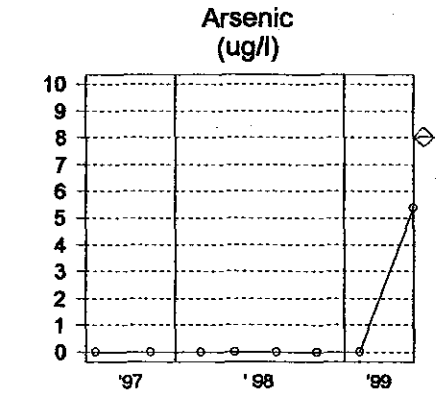
GW MONITORING
Bldg. M-14

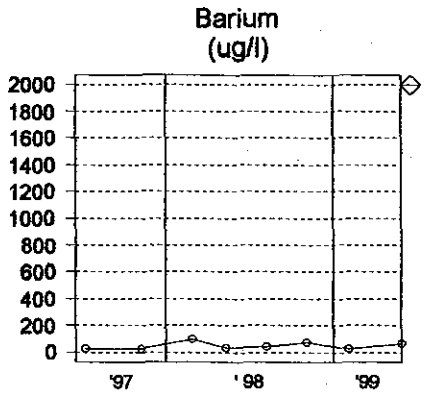
Well 3 of 3

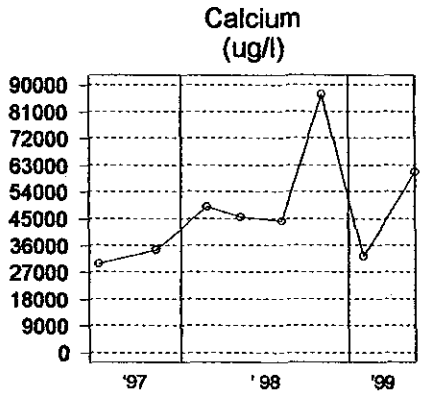
*Ag in blank > GW Criteria for 6/97 & 7/97.

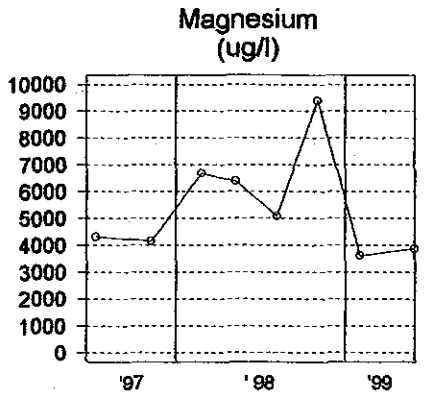
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

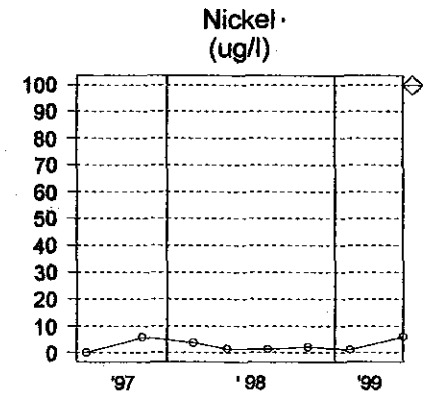
07-06-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

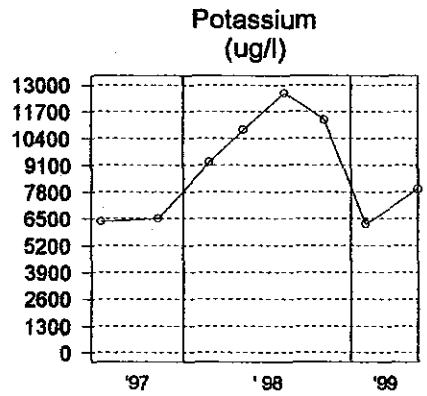


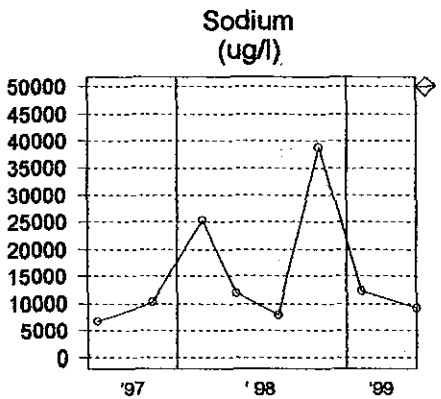


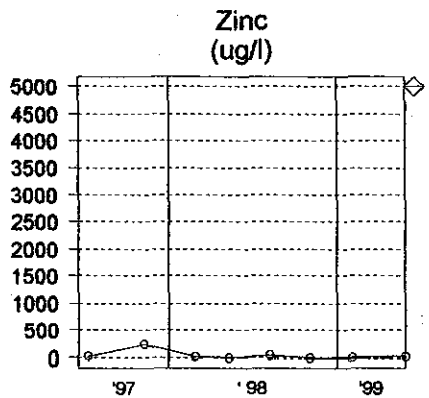


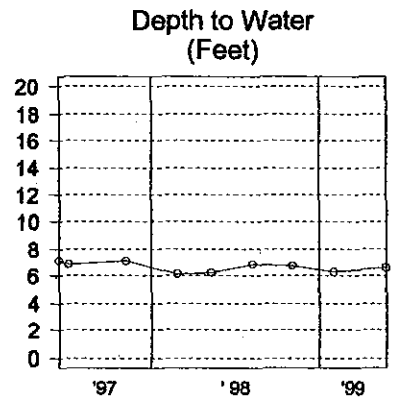












SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 05/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-06-1999 c:\mtech46\fm\m-14\gw\m-14.wsf

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
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-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4646.01	0M14MW19	29-32579	07/23/99
4646.02	0M14MW20	29-32580	07/23/99
4646.03	0M14MW21	29-32581	07/23/99

NJDEP Laboratory Certification # 13461

9/1/99

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:appleby@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: 12 16223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: M14 MW's 3rd Qrtr '99

Samplers Name / Company: Core, McCormach, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA's	BNA's	Pest/PCB	TAL Metals				Hold Read	Comments: Remarks / Preservation Method
														HCL / HNO_3 / 4°C
46416..01	OM14 MW19	7/23/99	1253	AQ	5	✓	✓	✓	✓				0.0	29-32579
.02	OM14 MW20	↓	1248	↓	5	✓	✓	✓	✓				0.0	29-32580
.03	OM14 MW21	↓	1300	↓	5	✓	✓	✓	✓				0.0	29-32581

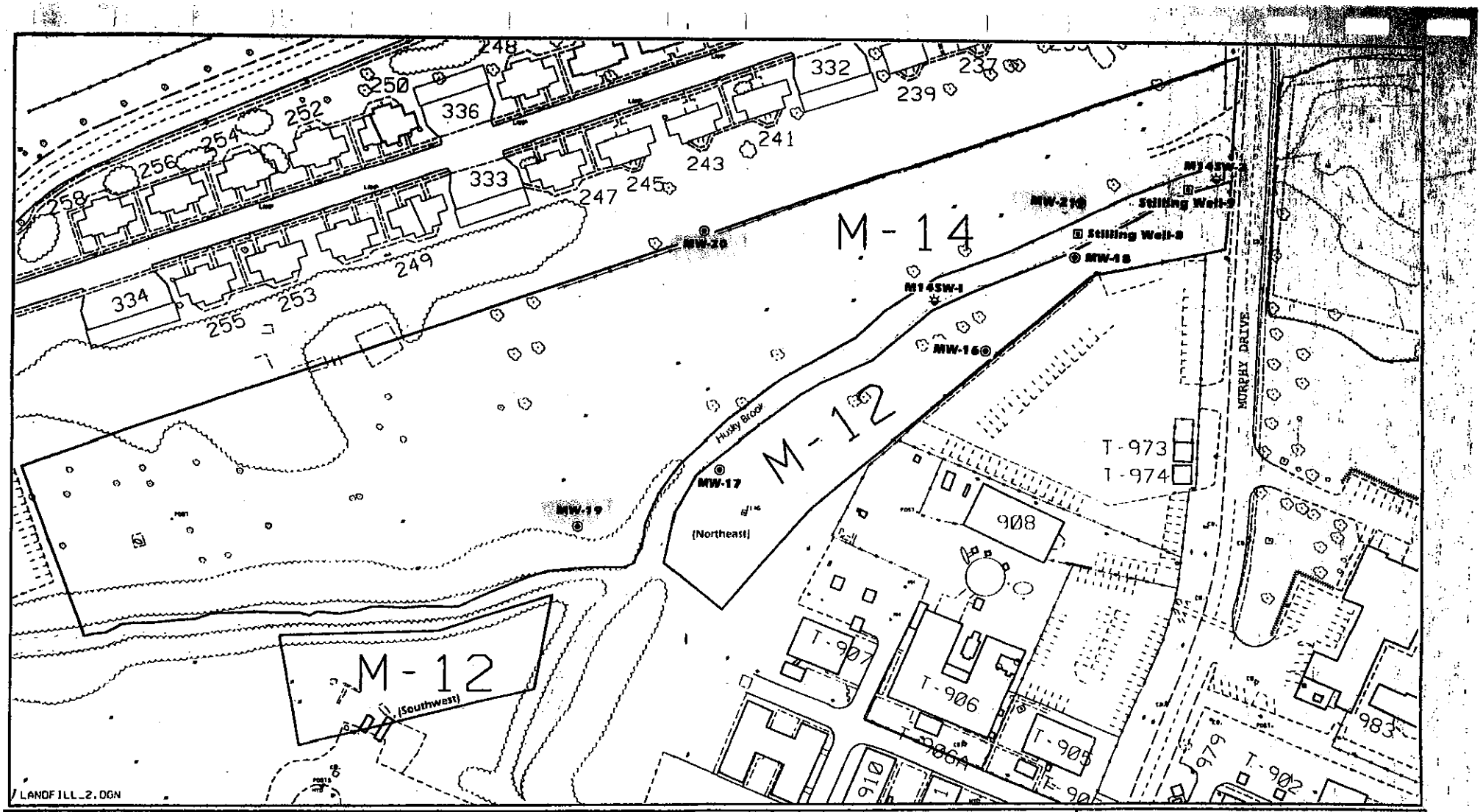
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	7/23/99 1400				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: (X)Standard 4 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks: Shows Trip/Blank/Dup from M12 Same day COC
Tide: H→O
MS/MSDS here. EPM

print legibly

Coc.xls6/18/99


M-14
M-12
M-12
(Northeast)
(Southwest)
MW-16
MW-17
MW-18
MW-19
MW-20
MW-21
M145W-1
M145W-2
Stilling Well-2
Stilling Well-3
Husky Brook
MURRAY DRIVE
T-973
T-974
T-907
T-906
T-905
T-902
908
910
983
979
248
250
252
254
256
258
336
332
237
239
241
243
333
247
245
249
334
255
253
LANDFILL_2.DGN
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
Fort Monmouth, Main Post
FIGURE 4.2-15
LANDFILLS 12 (M-12) AND 14 (M-14)
SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW19
NJDEP ID #: 29-32579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/23/99
WEATHER: Sunny, Hot, Humid.
TIDE: High-Outgoing.

ELEV. OF CASING SURVEY MARK: 9.68 ft
DEPTH TO WATER: 7.98 ft
DEPTH OF WELL: 17.50 ft
HEIGHT OF WATER: 9.52 ft
(9.52) X .65 X 3 = 18.56
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: 0.230 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 11:30
pH 6.40 su — TEMP 12.5 °C
DISSOLVED O_2 7.21 PPM — SPECIFIC CONDUCTIVITY 232 us/cm

PURGE END TIME: 12:53
pH 6.37 su — TEMP 12.3 °C
DISSOLVED O_2 4.61 PPM — SPECIFIC CONDUCTIVITY 232 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.02 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 19 gal

pH 6.35 su — TEMP 12.3 °C
DISSOLVED O_2 4.60 PPM — SPECIFIC CONDUCTIVITY 231 us/cm

COMMENTS: No phases.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW20
NJDEP ID #: 29-32580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/23/99
WEATHER: Sunny, Hot, Humid.
TIDE: High-Outgoing.

ELEV. OF CASING SURVEY MARK: 9.29 ft
DEPTH TO WATER: 7.23 ft
DEPTH OF WELL: 16.90 ft
HEIGHT OF WATER: 9.67 ft
(9.67) X .65 X 3 = 18.85
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: 0.230 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 11:25
pH 6.98 su — TEMP 12.9 °C
DISSOLVED O_2 7.11 PPM — SPECIFIC CONDUCTIVITY 198 us/cm

PURGE END TIME: 12:48
pH 6.97 su — TEMP 12.3 °C
DISSOLVED O_2 4.51 PPM — SPECIFIC CONDUCTIVITY 197 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.41 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 19 gal

pH 6.96 su — TEMP 12.3 °C
DISSOLVED O_2 4.48 PPM — SPECIFIC CONDUCTIVITY 197 us/cm

COMMENTS: No phases.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW21
NJDEP ID #: 29-32581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/23/99
WEATHER: Sunny, Hot, Humid.
TIDE: High-Outgoing.

ELEV. OF CASING SURVEY MARK: 9.57 ft
DEPTH TO WATER: 7.41 ft
DEPTH OF WELL: 19.30 ft
HEIGHT OF WATER: 11.89 ft
(11.89) X .65 X 3 = 23.18
GALLONS OF H2O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: 0.230 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 11:20
pH 7.00 su — TEMP 12.7 °C
DISSOLVED O_2 7.11 PPM — SPECIFIC CONDUCTIVITY 185 us/cm

PURGE END TIME: 13:00
pH 6.98 su — TEMP 12.3 °C
DISSOLVED O_2 4.10 PPM — SPECIFIC CONDUCTIVITY 184 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.38 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 23 gal

pH 6.99 su — TEMP 12.2 °C
DISSOLVED O_2 4.07 PPM — SPECIFIC CONDUCTIVITY 184 us/cm

COMMENTS: MS/MSD Here. No phases.

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

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

Data File	**VB004007.D**	Sample Name	**Vblk121**
Operator	**Skelton**	Field ID	**Vblk121**
Date Acquired	**28 Jul 1999 2:29 pm**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

7/29/99 1:12 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Vblk121**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4646 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk121

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004007.D

Level: (low/med) LOW Date Received: 7/23/99

% Moisture: not dec. Date Analyzed: 7/28/99

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	**VB004026.D**	Sample Name	**4646.01**
Operator	**Skelton**	Field ID	**0M14MW19**
Date Acquired	**29 Jul 1999 4:03 am**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

7/29/99 1:12 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0M14MW19**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4646 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4646.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004026.D

Level: (low/med) LOW Date Received: 7/23/99

% Moisture: not dec. Date Analyzed: 7/29/99

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	**VB004027.D**	Sample Name	**4646.02**
Operator	**Skelton**	Field ID	**0M14MW20**
Date Acquired	**29 Jul 1999 4:44 am**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

7/29/99 1:12 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0M14MW20**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4646 Location: M14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4646.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004027.D

Level: (low/med) LOW Date Received: 7/23/99

% Moisture: not dec. _____ Date Analyzed: 7/29/99

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	**VB004028.D**	Sample Name	**4646.03**
Operator	**Skelton**	Field ID	**0M14MW21**
Date Acquired	**29 Jul 1999 5:25 am**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

7/29/99 1:12 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

0M14MW21

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4646 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4646.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004028.D

Level: (low/med) LOW Date Received: 7/23/99

% Moisture: not dec. Date Analyzed: 7/29/99

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

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03038.D**	Sample Name	**Sblk276**
Operator	**Bhaskar**	Misc Info	**Sblk276 A 990727**
Date Acquired	**30-Jul-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.96	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA03038.D**	Sample Name	**Sblk276**
Operator	**Bhaskar**	Misc Info	**Sblk276 A 990727**
Date Acquired	**30-Jul-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **Sblk276**

Lab Name: FMETL Lab Code 13461

Project 98-0211 Case No.: 4646 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Sblk276

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03038.D

Level: (low/med) LOW Date Received: 7/23/99

% Moisture: decanted: (Y/N) N Date Extracted: 7/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/30/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.37	5	J
2.	unknown	9.16	22	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03044.D**	Sample Name	**4646.01**
Operator	**Bhaskar**	Misc Info	**0M14MW19**
Date Acquired	**31-Jul-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.96	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA03044.D**	Sample Name	**4646.01**
Operator	**Bhaskar**	Misc Info	**0M14MW19**
Date Acquired	**31-Jul-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW19**

Lab Name: FMETL Lab Code 13461

Project 98-0211 Case No.: 4646 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4646.01

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03044.D

Level: (low/med) LOW Date Received: 7/23/99

% Moisture: decanted: (Y/N) N Date Extracted: 7/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/31/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.37	4	J
2.	unknown	9.16	24	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03045.D**	Sample Name	**4646.02**
Operator	**Bhaskar**	Misc Info	**0M14MW20**
Date Acquired	**31-Jul-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.96	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA03045.D**	Sample Name	**4646.02**
Operator	**Bhaskar**	Misc Info	**0M14MW20**
Date Acquired	**31-Jul-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW20**

Lab Name: FMETL Lab Code 13461

Project 98-0211 Case No.: 4646 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4646.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03045.D

Level: (low/med) LOW Date Received: 7/23/99

% Moisture: decanted: (Y/N) N Date Extracted: 7/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/31/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	9.16	25	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03046.D**	Sample Name	**4646.03**
Operator	**Bhaskar**	Misc Info	**0M14MW21**
Date Acquired	**31-Jul-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine	4.45	27132	1.54 ug/L	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol	9.95	40579	1.62 ug/L	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.96	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA03046.D**	Sample Name	**4646.03**
Operator	**Bhaskar**	Misc Info	**0M14MW21**
Date Acquired	**31-Jul-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW21**

Lab Name: FMETL Lab Code 13461

Project 98-0211 Case No.: 4646 Location M-14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4646.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03046.D

Level: (low/med) LOW Date Received: 7/23/99

% Moisture: decanted: (Y/N) N Date Extracted: 7/27/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/31/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.36	5	J
2.	unknown	9.16	22	J

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

Client :	U.S. Army	**Lab. ID # :**	4646.01
	DPW, SELFM-PW-EV	**Date Rec'd:**	7/23/99
	Bldg. 173	**Extraction Date:**	7/26/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/30/99
Analysis:	EPA Method 608	**Location :**	M14
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	OM14MW19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	4646.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	7/23/99
	Bldg. 173	**Extraction Date:**	7/26/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/30/99
Analysis:	EPA Method 608	**Location :**	M14
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	OM14MW20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	4646.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	7/23/99
	Bldg. 173	**Extraction Date:**	7/26/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/30/99
Analysis:	EPA Method 608	**Location :**	M14
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	OM14MW21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	BLK366
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	7/26/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/30/99
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

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

Lab ID #: 4646
Sample Prepared: 08/19/99

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/19/99	69.1	200	10.0
Antimony	08/19/99	5.88	20	2.0
Arsenic	08/19/99	ND	8	2.0
Barium	08/19/99	0.562	2000	0.5
Beryllium	08/19/99	ND	20	0.5
Cadmium	08/19/99	1.69	4	0.5
Calcium	08/19/99	135	NLE	20.0
Chromium	08/19/99	1.14	100	0.5
Cobalt	08/19/99	ND	NLE	0.5
Copper	08/19/99	16.0	1000	3.0
Iron	08/19/99	19.7	300	10.0
Lead	08/19/99	ND	10	2.0
Magnesium	08/19/99	76.7	NLE	20.0
Manganese	08/19/99	0.875	50	0.5
Mercury	08/17/99	ND	2	0.1
Nickel	08/19/99	2.09	100	0.5
Potassium	08/19/99	181	NLE	20.0
Selenium	08/19/99	ND	50	3.0
Silver	08/19/99	ND	20	3.0
Sodium	08/19/99	111	50000	20.0
Thallium	08/19/99	ND	10	3.0
Vanadium	08/19/99	ND	NLE	1.0
Zinc	08/19/99	29.2	5000	1.0

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 #: 4646.01
Sample Received: 07/23/99
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/19/99	74.8	200	10.0
Antimony	08/19/99	ND	20	2.0
Arsenic	08/19/99	ND	8	2.0
Barium	08/19/99	13.2	2000	0.5
Beryllium	08/19/99	ND	20	0.5
Cadmium	08/19/99	0.826	4	0.5
Calcium	08/19/99	16700	NLE	20.0
Chromium	08/19/99	1.53	100	0.5
Cobalt	08/19/99	ND	NLE	0.5
Copper	08/19/99	8.58	1000	3.0
Iron	08/19/99	13700	300	10.0
Lead	08/19/99	5.24	10	2.0
Magnesium	08/19/99	2120	NLE	20.0
Manganese	08/19/99	89.7	50	0.5
Mercury	08/17/99	ND	2	0.1
Nickel	08/19/99	0.716	100	0.5
Potassium	08/19/99	6330	NLE	20.0
Selenium	08/19/99	ND	50	3.0
Silver	08/19/99	ND	20	3.0
Sodium	08/19/99	5840	50000	20.0
Thallium	08/19/99	ND	10	3.0
Vanadium	08/19/99	ND	NLE	1.0
Zinc	08/19/99	40.3	5000	1.0

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 #: 4646.02
Sample Received: 07/23/99
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/19/99	365	200	10.0
Antimony	08/19/99	4.23	20	2.0
Arsenic	08/19/99	3.86	8	2.0
Barium	08/19/99	42.1	2000	0.5
Beryllium	08/19/99	ND	20	0.5
Cadmium	08/19/99	1.12	4	0.5
Calcium	08/19/99	35500	NLE	20.0
Chromium	08/19/99	3.78	100	0.5
Cobalt	08/19/99	ND	NLE	0.5
Copper	08/19/99	5.19	1000	3.0
Iron	08/19/99	10600	300	10.0
Lead	08/19/99	26.9	10	2.0
Magnesium	08/19/99	3180	NLE	20.0
Manganese	08/19/99	57.7	50	0.5
Mercury	08/17/99	ND	2	0.1
Nickel	08/19/99	1.12	100	0.5
Potassium	08/19/99	5710	NLE	20.0
Selenium	08/19/99	ND	50	3.0
Silver	08/19/99	ND	20	3.0
Sodium	08/19/99	6190	50000	20.0
Thallium	08/19/99	ND	10	3.0
Vanadium	08/19/99	1.34	NLE	1.0
Zinc	08/19/99	23.7	5000	1.0

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 #: 4646.03
Sample Received: 07/23/99
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/19/99	64.7	200	10.0
Antimony	08/19/99	ND	20	2.0
Arsenic	08/19/99	ND	8	2.0
Barium	08/19/99	87.9	2000	0.5
Beryllium	08/19/99	ND	20	0.5
Cadmium	08/19/99	ND	4	0.5
Calcium	08/19/99	79100	NLE	20.0
Chromium	08/19/99	2.85	100	0.5
Cobalt	08/19/99	ND	NLE	0.5
Copper	08/19/99	3.98	1000	3.0
Iron	08/19/99	650	300	10.0
Lead	08/19/99	2.23	10	2.0
Magnesium	08/19/99	8940	NLE	20.0
Manganese	08/19/99	110	50	0.5
Mercury	08/17/99	ND	2	0.1
Nickel	08/19/99	ND	100	0.5
Potassium	08/19/99	11200	NLE	20.0
Selenium	08/19/99	ND	50	3.0
Silver	08/19/99	ND	20	3.0
Sodium	08/19/99	47000	50000	20.0
Thallium	08/19/99	ND	10	3.0
Vanadium	08/19/99	1.73	NLE	1.0
Zinc	08/19/99	15.5	5000	1.0

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

	Laboratory	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Barium	Calcium	Magnesium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	300	50	20	200	20	8	2000	NLE	NLE	-
06/12/97	FMETL	27000	57	33	-	-	-	-	-	-	V,S,P,M
07/03/97	FMETL	30300	290	27	124.1	ND	2	70.8	27810	4280	V,S,P,M
11/07/97	FMETL	11600	136	ND	110	ND	ND	17.4	18930	2320	V,S,P,M
02/23/98	FMETL	50590	119	ND	76	ND	ND	46.2	20450	2420	V,S,P,M
05/07/98	FMETL	48050	172	ND	34.5	ND	2.6	51.1	25500	2956	V,S,P,M
08/06/98	FMETL	19900	219	ND	117	2.27	ND	337	29100	3200	V,S,P,M
11/03/98	FMETL	14700	100	ND	25.4	3.23	ND	13.8	19100	2530	V,S,P,M
01/29/99	FMETL	41400	654	ND	ND	ND	ND	35.8	40900	4550	V,S,P,M
05/25/99	FMETL	40400	314	ND	154	ND	ND	59.2	28800	3470	V,S,P,M
07/23/99	FMETL	13700	89.7	ND	74.8	ND	ND	13.2	16700	2120	V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 07/23/99

NOTES:

Page 1 of 2.

FORT MONMOUTH

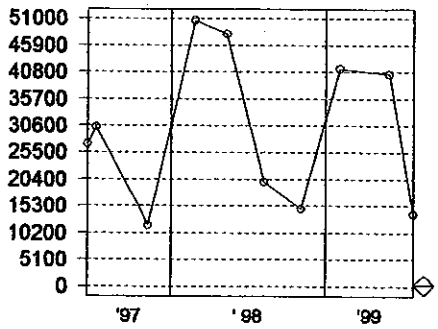
GW MONITORING
Bldg. M-14

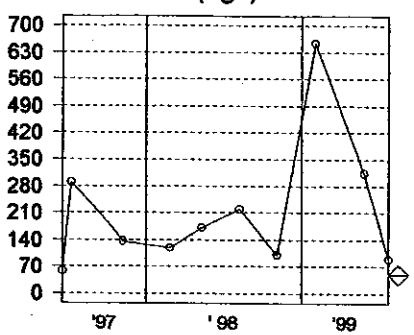
Well 1 of 3

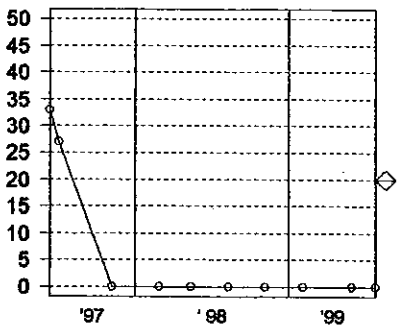
*Ag in blank > GW Criteria for 6/97 & 7/97.

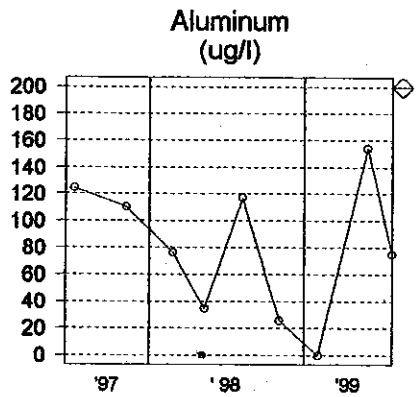
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

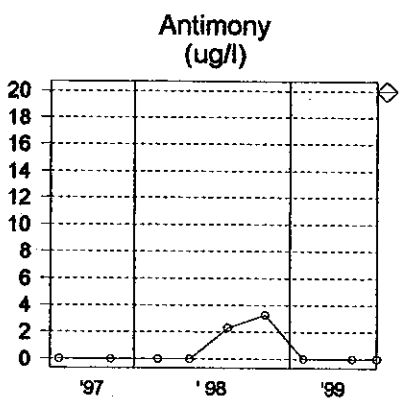
08-30-1999 x:\mtech46\fm\m-14\gw\m-14.wsf

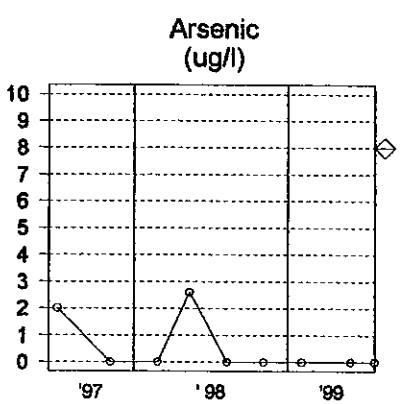


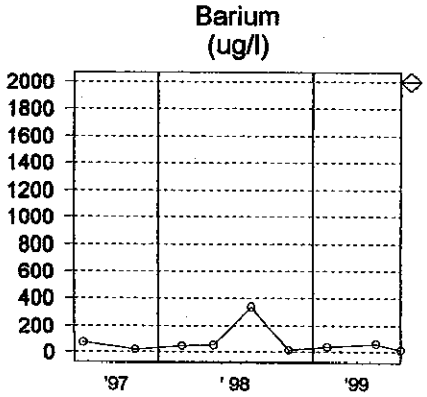


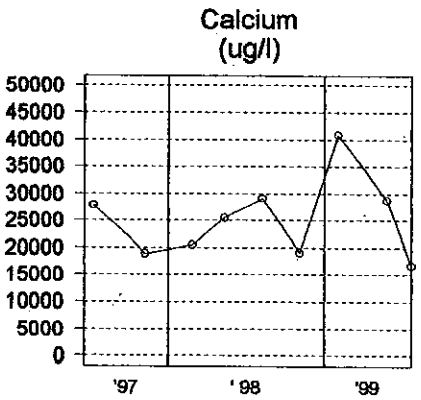


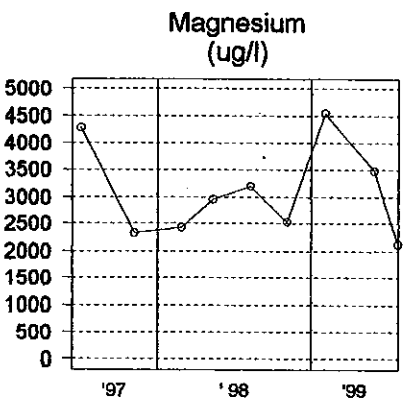












SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 07/23/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

08-30-1999 x:\mtech48\fm\m-14\gw\m-14.wsf

	Laboratory	Nickel	Potassium	Sodium	Zinc	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	100	NLE	50000	5000	-					-
06/12/97	FMETL	-	-	-	-	6.90					V,S,P,M
07/03/97	FMETL	ND	5340	8320	21	7.20					V,S,P,M
11/07/97	FMETL	ND	5660	6580	67	7.35					V,S,P,M
02/23/98	FMETL	1.2	6400	5940	21	6.40					V,S,P,M
05/07/98	FMETL	1.2	8018	7202	23.9	6.51					V,S,P,M
08/06/98	FMETL	ND	14800	9130	61.3	7.84					V,S,P,M
11/03/98	FMETL	5.69	28700	5360	72.6	8.01					V,S,P,M
01/29/99	FMETL	20.6	6380	7810	664	6.43					V,S,P,M
05/25/99	FMETL	0.931	7310	9220	4.98	7.31					V,S,P,M
07/23/99	FMETL	0.716	6330	5840	40.3	7.98					V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 07/23/99

NOTES:

Page 2 of 2.

FORT MONMOUTH

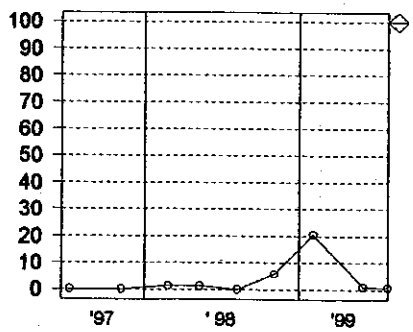
GW MONITORING
Bldg. M-14

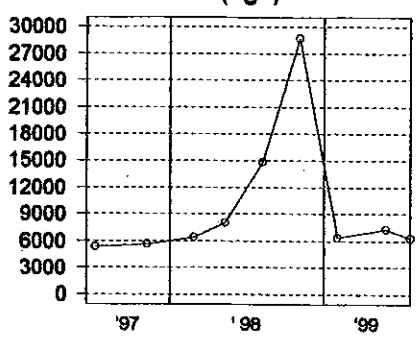
Well 1 of 3

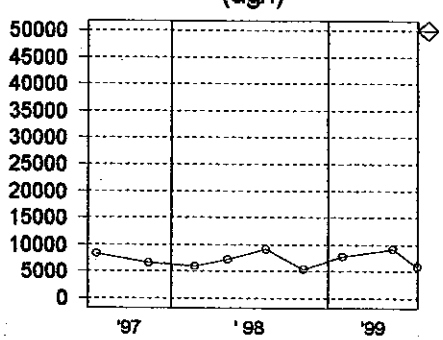
*Ag in blank > GW Criteria for 6/97 & 7/97.

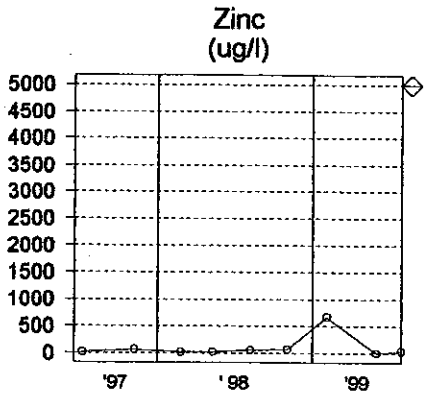
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

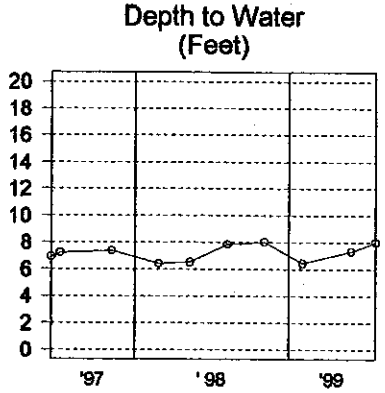
08-30-1999 x:\mtech46\fm\m-14\gw\m-14.wsf











SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 07/23/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

08-30-1999 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Barium	Calcium	Magnesium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	300	50	20	200	20	8	2000	NLE	NLE	-
06/12/97	FMETL	6990	147	32	-	-	-	-	-	-	V,S,P,M
07/03/97	FMETL	2470	75	29	21.2	ND	2	14.6	24700	2350	V,S,P,M
11/07/97	FMETL	2330	46	ND	71	ND	ND	14	34440	2420	V,S,P,M
02/23/98	FMETL	12550	677	ND	286	ND	ND	60.4	104400	8500	V,S,P,M
05/07/98	FMETL	ND	196	ND	ND	ND	ND	25.5	63960	4130	V,S,P,M
08/06/98	FMETL	6680	61	ND	270	2.74	3.77	30.6	37300	2980	V,S,P,M
11/03/98	FMETL	3360	57.8	ND	67.8	ND	3.94	17.7	41300	2730	V,S,P,M
01/29/99	FMETL	7210	146	ND	149	ND	ND	22.5	49400	2350	V,S,P,M
05/25/99	FMETL	1490	88.8	ND	139	ND	ND	43	45700	5560	V,S,P,M
07/23/99	FMETL	10600	57.7	ND	365	4.23	3.86	42.1	35500	3180	V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 07/23/99

NOTES:

Page 1 of 2.

FORT MONMOUTH

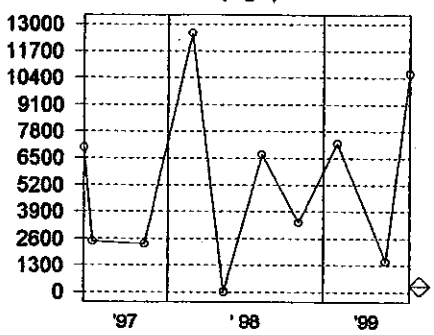
GW MONITORING
Bldg. M-14

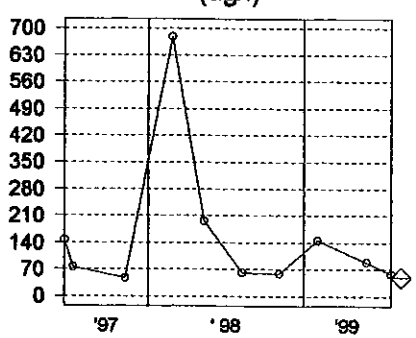
Well 2 of 3

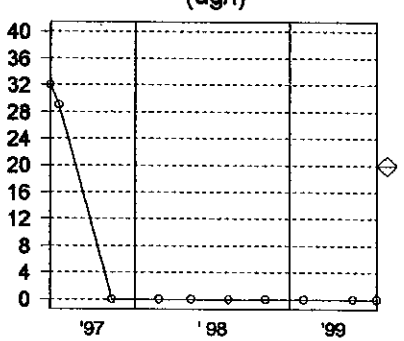
*Ag in blank > GW Criteria for 6/97 & 7/97.

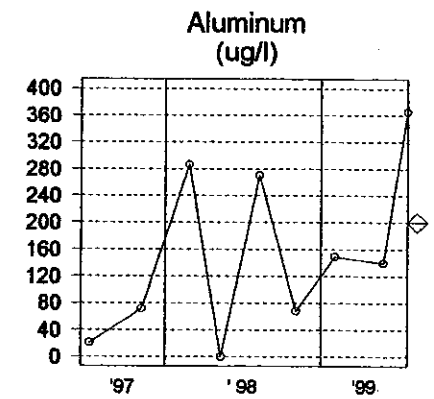
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

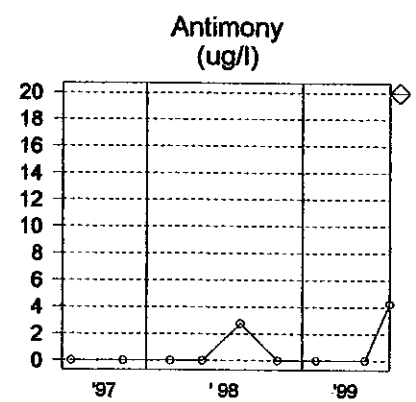
08-30-1999 x:\mtech46\fm\m-14\gw\m-14.wsf

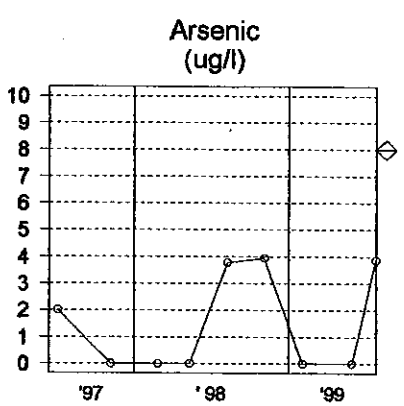


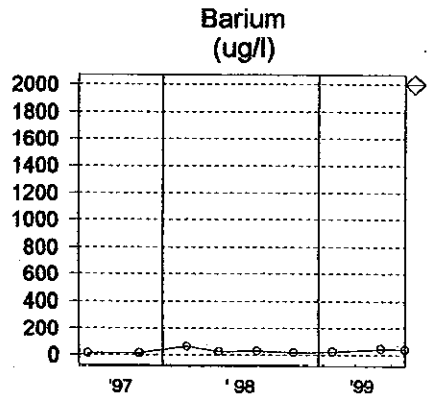


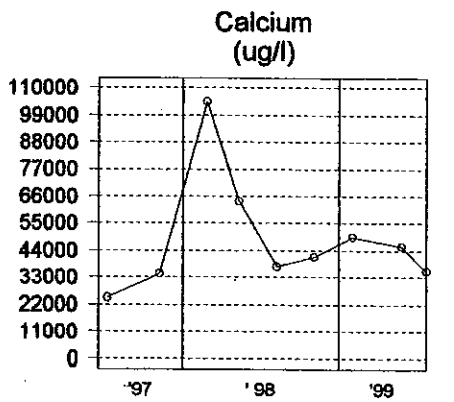


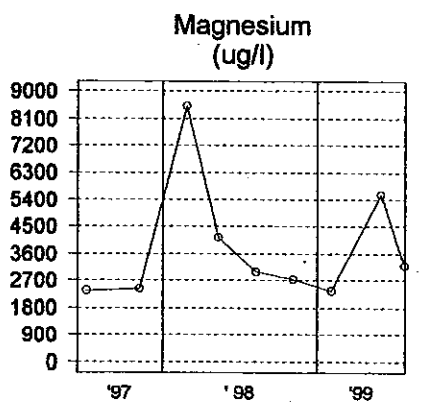












SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 07/23/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

08-30-1999 x:\mtech48\fm\m-14\gw\m-14.wsf

	Laboratory	Nickel	Potassium	Sodium	Zinc	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	100	NLE	50000	5000	-					-
06/12/97	FMETL	-	-	-	-	6.25					V,S,P,M
07/03/97	FMETL	ND	5290	6000	24	6.60					V,S,P,M
11/07/97	FMETL	ND	5080	5860	45	6.50					V,S,P,M
02/23/98	FMETL	24	9500	14860	108	5.80					V,S,P,M
05/07/98	FMETL	8.4	10450	10630	12	5.85					V,S,P,M
08/06/98	FMETL	ND	7570	6400	42.1	6.94					V,S,P,M
11/03/98	FMETL	2.59	6110	5760	17.4	7.40					V,S,P,M
01/29/99	FMETL	14.6	5550	7180	133	6.20					V,S,P,M
05/25/99	FMETL	4.32	7770	14000	2.3	6.78					V,S,P,M
07/23/99	FMETL	1.12	5710	6190	23.7	7.23					V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 07/23/99

NOTES:

Page 2 of 2.

FORT MONMOUTH

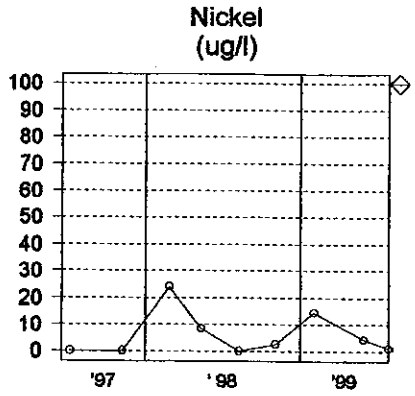
GW MONITORING
Bldg. M-14

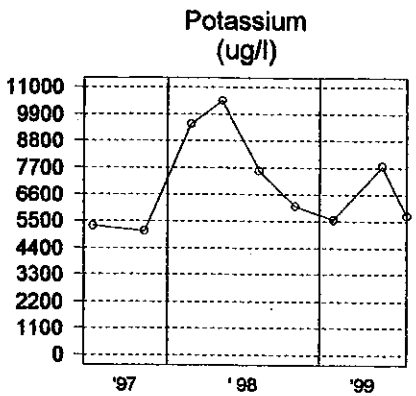
Well 2 of 3

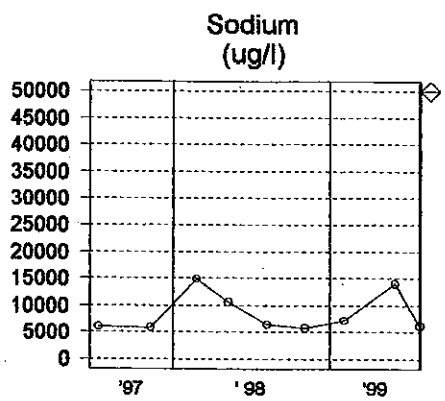
*Ag in blank > GW Criteria for 6/97 & 7/97.

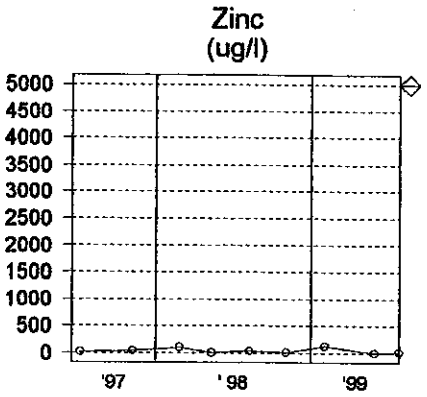
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

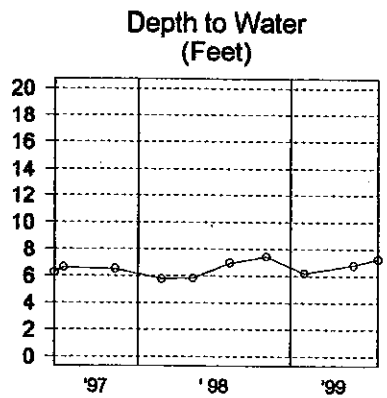
08-30-1999 x:\mtech46\fm\m-14\gw\m-14.wsf











SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 07/23/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

08-30-1999 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Barium	Calcium	Magnesium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	300	50	20	200	20	8	2000	NLE	NLE	-
06/12/97	FMETL	1470	64	83	-	-	-	-	-	-	V,S,P,M
07/03/97	FMETL	940	84	56	26.8	ND	ND	25.1	29690	4310	V,S,P,M
11/07/97	FMETL	690	58	ND	95	ND	ND	23.6	34450	4140	V,S,P,M
02/23/98	FMETL	5440	85	ND	93	ND	ND	97.1	48840	6670	V,S.P.M
05/07/98	FMETL	1009	54.6	ND	ND	3.4	ND	33.1	45440	6389	V,S,P,M
08/06/98	FMETL	3820	91.9	ND	1190	3.8	ND	43	44200	5090	V,S,P,M
11/03/98	FMETL	831	117	ND	93	ND	ND	73.4	86800	9390	V,S,P,M
01/29/99	FMETL	975	67.4	ND	ND	ND	ND	26.1	32300	3610	V,S,P,M
05/25/99	FMETL	29100	231	ND	538	5.05	5.38	65.2	60700	3870	V,S,P,M
07/23/99	FMETL	650	110	ND	64.7	ND	ND	87.9	79100	8940	V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 07/23/99

NOTES:

Page 1 of 2.

FORT MONMOUTH

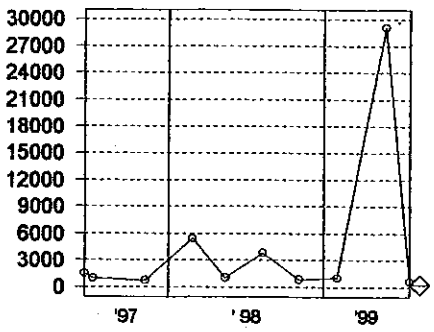
GW MONITORING
Bldg. M-14

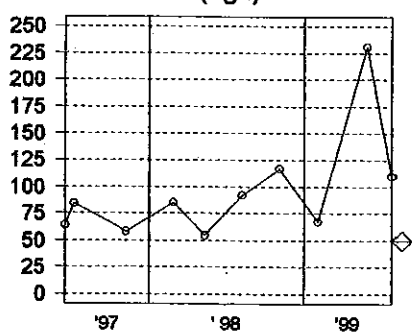
Well 3 of 3

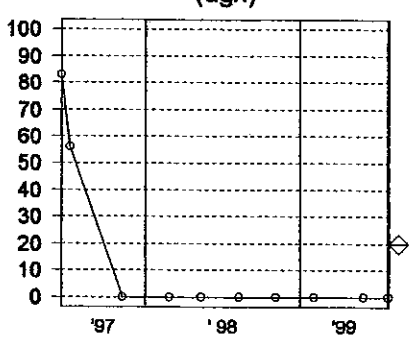
*Ag in blank > GW Criteria for 6/97 & 7/97.

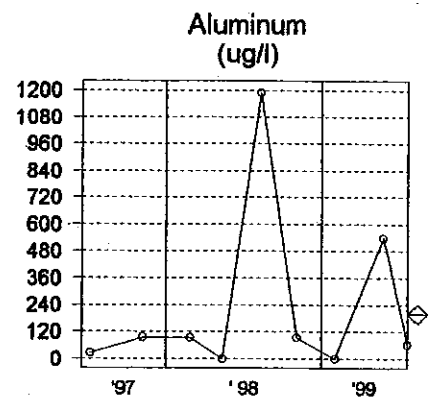
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

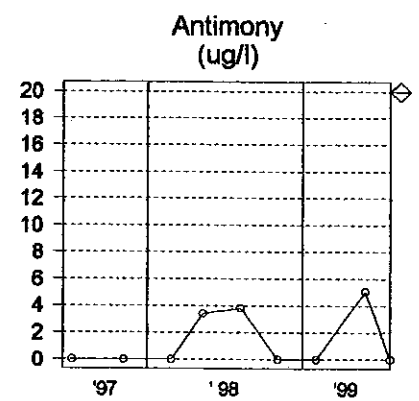
08-30-1999 x:\mtech46\fm\m-14\gw\m-14.wsf

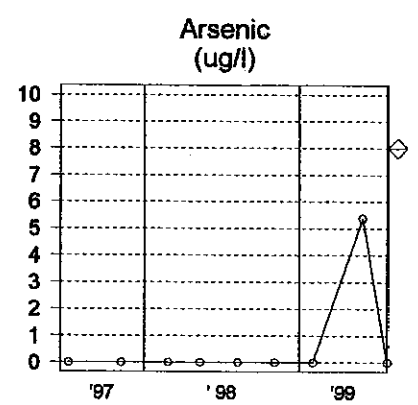


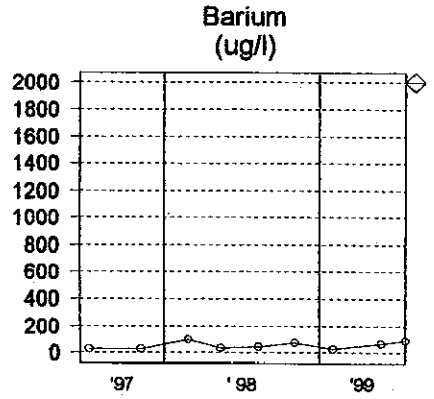


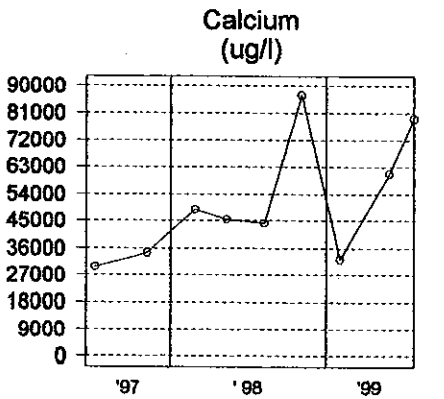


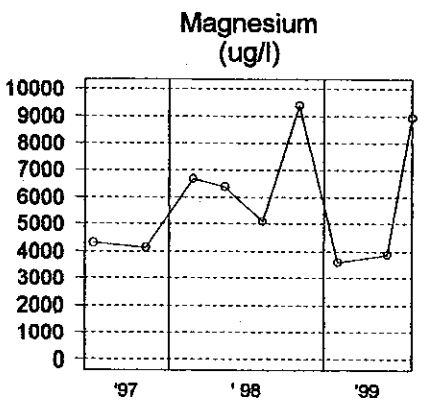












SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 07/23/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

08-30-1999 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Nickel	Potassium	Sodium	Zinc	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	100	NLE	50000	5000	-					-
06/12/97	FMETL	-	-	-	-	7.11					V,S,P,M
07/03/97	FMETL	ND	6360	6770	26	6.85					V,S,P,M
11/07/97	FMETL	5.9	6520	10300	236	7.10					V,S,P,M
02/23/98	FMETL	3.8	9230	25370	20	6.10					V,S.P.M
05/07/98	FMETL	1.5	10820	11820	ND	6.22					V,S,P,M
08/06/98	FMETL	1.29	12600	7930	47.5	6.83					V,S,P,M
11/03/98	FMETL	2.19	11300	38800	ND	6.72					V,S,P,M
01/29/99	FMETL	1.17	6240	12300	12	6.27					V,S,P,M
05/25/99	FMETL	5.99	7950	9230	27.1	6.58					V,S,P,M
07/23/99	FMETL	ND	11200	47000	15.5	7.41					V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 07/23/99

NOTES:

Page 2 of 2.

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
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-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4854.01	0M14MW19	29-32579	10/14/99
4854.02	0M14MW20	29-32580	10/14/99
4854.03	0M14MW21	29-32581	10/14/99

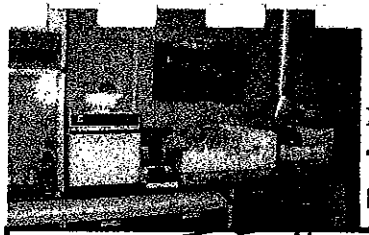
NJDEP Laboratory Certification # 13461

12-15-99
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:appleby@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Hylton
Phone #: x2623
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: M14 Wells 4th Qrtr '99

Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOTs	BN 625	Pest/PCB	TAL mtls				Hazard	Comments: Remarks / Preservation Method
4854.01	OM14 MW19	10/14/99	1105	AQ	5	✓	✓	✓	✓				0.0	HCL/HNO_3/4°C 29-32579
.02	OM14 MW20	↓	1118	↓	5	✓	✓	✓	✓				0.0	29-32580
.03	OM14 MW21	↓	1118	↓	5	✓	✓	✓	✓				0.0	29-32581

Analysis Parameters

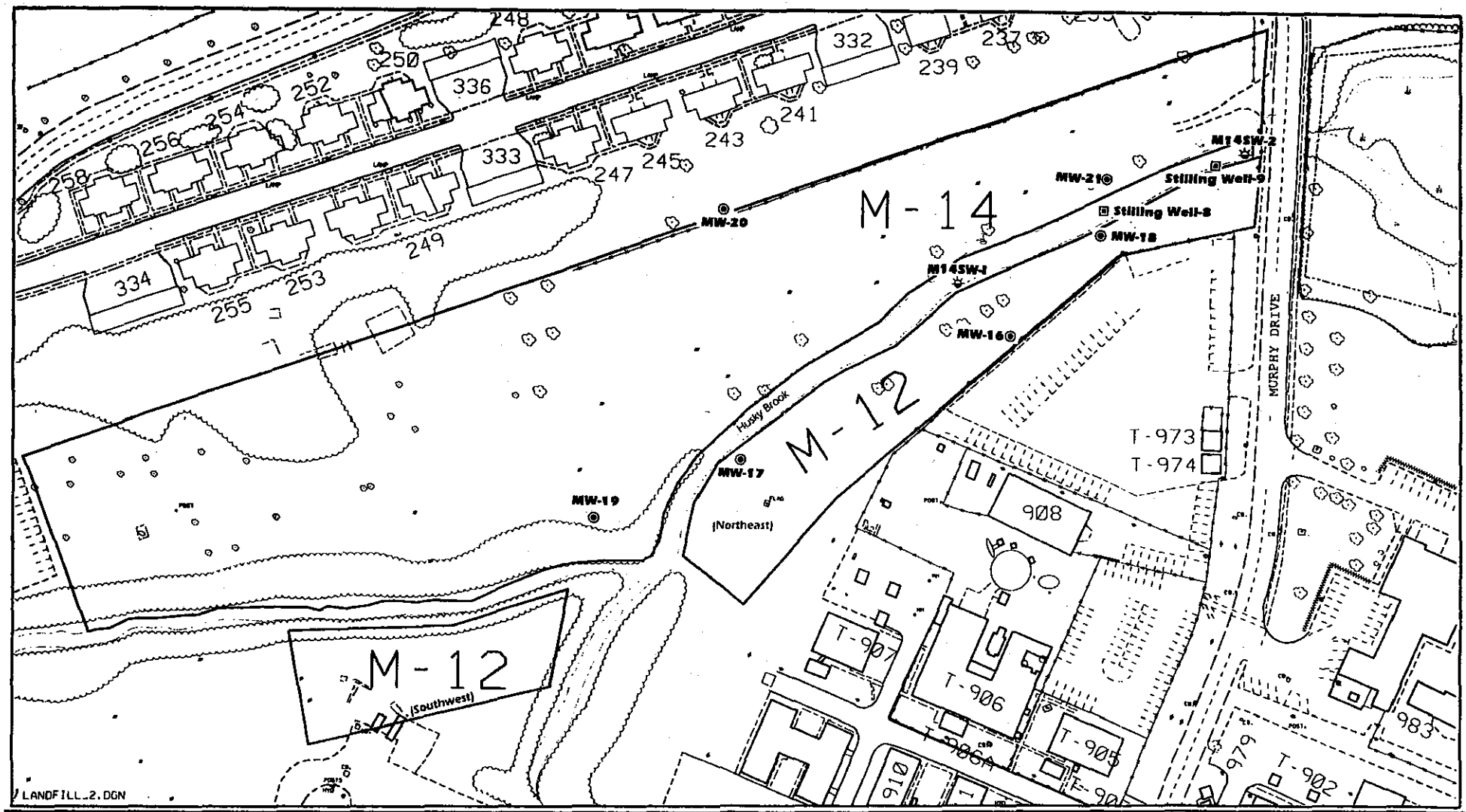
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	10/14/99 1440	J. Hylton			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Shows Trip/FB1Dup from M12 Sent 1/4. COM
Tide: Low

print legibly

Coc.xls9/30/99


M-14
M-12
M-12
(Northeast)
(Southwest)
MW-20
MW-21
MW-18
MW-16
MW-17
MW-19
M14SW-1
M14SW-2
Stilling Well-8
Stilling Well-9
Husky Brook
MURPHY DRIVE
T-973
T-974
908
T-907
T-906
T-906A
T-905
T-902
910
979
983
248
250
252
254
256
258
336
332
237
239
241
243
333
247
245
249
334
253
255
LANDFILL_2.DGN
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
Fort Monmouth, Main Post
FIGURE 4.2-15
LANDFILLS 12 (M-12) AND 14 (M-14)
SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW19
NJDEP ID #: 29-32579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/14/99
WEATHER: Sunny, cool, windy.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.68 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.67 ft
DEPTH OF WELL: 17.50 ft
DEPTH TO TOP OF SCREEN: 5.00 ft
HEIGHT OF WATER: 9.83 ft
(9.83) X .65 X 3 = 19.16
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:40
pH 6.90 su — TEMP 12.5 °C
DISSOLVED O2 6.41 ppm — SPECIFIC CONDUCTIVITY 149 us/cm

PURGE END TIME: 11:02
pH 6.88 su — TEMP 12.4 °C
DISSOLVED O2 5.38 ppm — SPECIFIC CONDUCTIVITY 149 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.75 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:05
pH 6.87 su — TEMP 12.4 °C
DISSOLVED O2 5.32 ppm — SPECIFIC CONDUCTIVITY 148 us/cm

SAMPLE END TIME: 11:09

COMMENTS: Slightly cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW20
NJDEP ID #: 29-32580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/14/99
WEATHER: Sunny, cool, windy.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.29 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.82 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: 4.50 ft
HEIGHT OF WATER: 10.08 ft
(10.08) X .65 X 3 = 19.65
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:35
pH 6.89 su — TEMP 12.5 °C
DISSOLVED O2 6.57 ppm — SPECIFIC CONDUCTIVITY 135 us/cm

PURGE END TIME: 11:02
pH 6.87 su — TEMP 12.3 °C
DISSOLVED O2 5.44 ppm — SPECIFIC CONDUCTIVITY 133 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.47 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 11:11
pH 6.86 su — TEMP 12.3 °C
DISSOLVED O2 5.41 ppm — SPECIFIC CONDUCTIVITY 133 us/cm

SAMPLE END TIME: 11:16

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW21
NJDEP ID #: 29-32581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/14/99
WEATHER: Sunny, cool, windy.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.57 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.70 ft
DEPTH OF WELL: 19.30 ft
DEPTH TO TOP OF SCREEN: 6.00 ft
HEIGHT OF WATER: 11.60 ft
(11.60) X .65 X 3 = 22.62
GALLONS OF H2O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:30
pH 7.28 su — TEMP 12.6 °C
DISSOLVED O2 6.71 ppm — SPECIFIC CONDUCTIVITY 87 us/cm

PURGE END TIME: 11:10
pH 7.30 su — TEMP 12.4 °C
DISSOLVED O2 5.71 ppm — SPECIFIC CONDUCTIVITY 85 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.52 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 11:18
pH 7.29 su — TEMP 12.3 °C
DISSOLVED O2 5.67 ppm — SPECIFIC CONDUCTIVITY 86 us/cm

SAMPLE END TIME: 11:27

COMMENTS:

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL	: Method Detection Limit
J	: Compound identified below detection limit
B	: Compound in both sample and blank
D	: Results from dilution of sample
U	: Compound searched for but not detected
E	: Compound exceeds calibration limit

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

Data File	**VB004562.D**	Sample Name	**Vblk140**
Operator	**Skelton**	Field ID	**Vblk140**
Date Acquired	**15 Oct 1999 10:45 am**	Sample Multiplie	**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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

10/20/99 12:02 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Vblk140**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4854 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk140

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004562.D

Level: (low/med) LOW Date Received: 10/14/99

% Moisture: not dec. Date Analyzed: 10/15/99

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	**VB004580.D**	Sample Name	**4855.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**15 Oct 1999 11:08 pm**	Sample Multiplie	**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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

10/20/99 12:02 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4855 Location: M12 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4855.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004580.D

Level: (low/med) LOW Date Received: 10/14/99

% Moisture: not dec. Date Analyzed: 10/15/99

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	**VB004581.D**	Sample Name	**4855.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**15 Oct 1999 11:47 pm**	Sample Multiplie	**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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

10/20/99 12:02 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4855 Location: M12 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4855.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004581.D

Level: (low/med) LOW Date Received: 10/14/99

% Moisture: not dec. Date Analyzed: 10/15/99

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	**VB004577.D**	Sample Name	**4854.01**
Operator	**Skelton**	Field ID	**0M14MW19**
Date Acquired	**15 Oct 1999 9:11 pm**	Sample Multiplie	**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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

10/20/99 12:02 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0M14MW19**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4854 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4854.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004577.D

Level: (low/med) LOW Date Received: 10/14/99

% Moisture: not dec. Date Analyzed: 10/15/99

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	**VB004578.D**	Sample Name	**4854.02**
Operator	**Skelton**	Field ID	**0M14MW20**
Date Acquired	**15 Oct 1999 9:50 pm**	Sample Multiplie	**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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

10/20/99 12:02 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

0M14MW20

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4854 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4854.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004578.D

Level: (low/med) LOW Date Received: 10/14/99

% Moisture: not dec. Date Analyzed: 10/15/99

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	**VB004579.D**	Sample Name	**4854.03**
Operator	**Skelton**	Field ID	**0M14MW21**
Date Acquired	**15 Oct 1999 10:29 pm**	Sample Multiplie	**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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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. **0M14MW21**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4854 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4854.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004579.D

Level: (low/med) LOW Date Received: 10/14/99

% Moisture: not dec. Date Analyzed: 10/15/99

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

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN03984.D**	Sample Name	**Sblk311**
Operator	**Bhaskar**	Misc Info	**Sblk311 A 991018**
Date Acquired	**22-Oct-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN03984.D**	Sample Name	**Sblk311**
Operator	**Bhaskar**	Misc Info	**Sblk311 A 991018**
Date Acquired	**22-Oct-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **Sblk311**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 4854 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: Sblk311

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN03984.D

Level: (low/med) LOW Date Received: 10/14/99

% Moisture: decanted: (Y/N) N Date Extracted: 10/18/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/99

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	**BN03989.D**	Sample Name	**4855.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**22-Oct-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN03989.D**	Sample Name	**4855.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**22-Oct-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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.: 4855 Location: M12 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 4855.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN03989.D

Level: (low/med) LOW Date Received: 10/14/99

% Moisture: decanted: (Y/N) N Date Extracted: 10/18/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/99

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	5.91	4	J
2.	unknown	29.25	5	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN03986.D**	Sample Name	**4854.01**
Operator	**Bhaskar**	Misc Info	**0M14MW19**
Date Acquired	**22-Oct-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN03986.D**	Sample Name	**4854.01**
Operator	**Bhaskar**	Misc Info	**0M14MW19**
Date Acquired	**22-Oct-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW19**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 4854 Location: M14 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4854.01

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN03986.D

Level: (low/med) LOW Date Received: 10/14/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/18/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/99

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	**BN03987.D**	Sample Name	**4854.02**
Operator	**Bhaskar**	Misc Info	**0M14MW20**
Date Acquired	**22-Oct-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN03987.D**	Sample Name	**4854.02**
Operator	**Bhaskar**	Misc Info	**0M14MW20**
Date Acquired	**22-Oct-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	23.87	498940	16.91 ug/L	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW20**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 4854 Location: M14 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4854.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN03987.D

Level: (low/med) LOW Date Received: 10/14/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/18/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/99

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	**BN03988.D**	Sample Name	**4854.03**
Operator	**Bhaskar**	Misc Info	**0M14MW21**
Date Acquired	**22-Oct-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN03988.D**	Sample Name	**4854.03**
Operator	**Bhaskar**	Misc Info	**0M14MW21**
Date Acquired	**22-Oct-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW21**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 4854 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 4854.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN03988.D

Level: (low/med) LOW Date Received: 10/14/99

% Moisture: decanted: (Y/N) N Date Extracted: 10/18/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/99

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	28.10	11	J

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

Client :	U.S. Army	**Lab. ID # :**	BLK420
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	10/15/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/20/99
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	4855.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/14/99
	Bldg. 173	**Extraction Date:**	10/15/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/20/99
Analysis:	EPA Method 608	**Location :**	M12 Wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	4854.01
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/14/99
	Bldg. 173	**Extraction Date:**	10/15/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/20/99
Analysis:	EPA Method 608	**Location :**	M14 Wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	4854.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/14/99
	Bldg. 173	**Extraction Date:**	10/15/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/20/99
Analysis:	EPA Method 608	**Location :**	M14 Wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	4854.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/14/99
	Bldg. 173	**Extraction Date:**	10/15/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/20/99
Analysis:	EPA Method 608	**Location :**	M14 Wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

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

Lab ID #: 4854
Sample Prepared: 12/14/99

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/14/99	ND	200	10.0
Antimony	12/14/99	ND	20	2.0
Arsenic	12/14/99	ND	8	2.0
Barium	12/14/99	ND	2000	0.5
Beryllium	12/14/99	ND	20	0.5
Cadmium	12/14/99	1.7	4	0.5
Calcium	12/14/99	87.0	NLE	20.0
Chromium	12/14/99	1.33	100	0.5
Cobalt	12/14/99	ND	NLE	0.5
Copper	12/14/99	33.2	1000	3.0
Iron	12/14/99	16.8	300	10.0
Lead	12/14/99	ND	10	2.0
Magnesium	12/14/99	ND	NLE	20.0
Manganese	12/14/99	ND	50	0.5
Mercury	11/09/99	ND	2	0.1
Nickel	12/14/99	1.38	100	0.5
Potassium	12/14/99	128	NLE	20.0
Selenium	12/14/99	ND	50	3.0
Silver	12/14/99	ND	20	3.0
Sodium	12/14/99	137	50000	20.0
Thallium	12/14/99	ND	10	3.0
Vanadium	12/14/99	ND	NLE	1.0
Zinc	12/14/99	5.95	5000	1.0

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 #: 4855
Sample Prepared: 12/14/99

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/14/99	ND	200	10.0
Antimony	12/14/99	ND	20	2.0
Arsenic	12/14/99	ND	8	2.0
Barium	12/14/99	ND	2000	0.5
Beryllium	12/14/99	ND	20	0.5
Cadmium	12/14/99	1.7	4	0.5
Calcium	12/14/99	87.0	NLE	20.0
Chromium	12/14/99	1.33	100	0.5
Cobalt	12/14/99	ND	NLE	0.5
Copper	12/14/99	33.2	1000	3.0
Iron	12/14/99	16.8	300	10.0
Lead	12/14/99	ND	10	2.0
Magnesium	12/14/99	ND	NLE	20.0
Manganese	12/14/99	ND	50	0.5
Mercury	11/09/99	ND	2	0.1
Nickel	12/14/99	1.38	100	0.5
Potassium	12/14/99	128	NLE	20.0
Selenium	12/14/99	ND	50	3.0
Silver	12/14/99	ND	20	3.0
Sodium	12/14/99	137	50000	20.0
Thallium	12/14/99	ND	10	3.0
Vanadium	12/14/99	ND	NLE	1.0
Zinc	12/14/99	5.95	5000	1.0

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 #: 4855.02
Sample Received: 10/14/99
Sample Matrix: Aqueous

Site: M-12
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/01/99	ND	200	10.0
Antimony	12/01/99	ND	20	2.0
Arsenic	12/01/99	ND	8	2.0
Barium	12/01/99	ND	2000	0.5
Beryllium	12/01/99	ND	20	0.5
Cadmium	12/01/99	ND	4	0.5
Calcium	12/01/99	ND	NLE	20.0
Chromium	12/01/99	ND	100	0.5
Cobalt	12/01/99	ND	NLE	0.5
Copper	12/01/99	3.35	1000	3.0
Iron	12/01/99	ND	300	10.0
Lead	12/01/99	ND	10	2.0
Magnesium	12/01/99	ND	NLE	20.0
Manganese	12/01/99	ND	50	0.5
Mercury	11/09/99	ND	2	0.1
Nickel	12/01/99	0.953	100	0.5
Potassium	12/01/99	161	NLE	20.0
Selenium	12/01/99	ND	50	3.0
Silver	12/01/99	ND	20	3.0
Sodium	12/01/99	170	50000	20.0
Thallium	12/01/99	ND	10	3.0
Vanadium	12/01/99	ND	NLE	1.0
Zinc	12/01/99	ND	5000	1.0

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 #: 4854.01
Sample Received: 10/14/99
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/14/99	160	200	10.0
Antimony	12/14/99	6.92	20	2.0
Arsenic	12/14/99	ND	8	2.0
Barium	12/14/99	27.2	2000	0.5
Beryllium	12/14/99	ND	20	0.5
Cadmium	12/14/99	1.19	4	0.5
Calcium	12/14/99	20600	NLE	20.0
Chromium	12/14/99	7.43	100	0.5
Cobalt	12/14/99	ND	NLE	0.5
Copper	12/14/99	155	1000	3.0
Iron	12/14/99	17400	300	10.0
Lead	12/14/99	2.91	10	2.0
Magnesium	12/14/99	2770	NLE	20.0
Manganese	12/14/99	147	50	0.5
Mercury	11/09/99	ND	2	0.1
Nickel	12/14/99	5.03	100	0.5
Potassium	12/14/99	6860	NLE	20.0
Selenium	12/14/99	ND	50	3.0
Silver	12/14/99	ND	20	3.0
Sodium	12/14/99	5880	50000	20.0
Thallium	12/14/99	ND	10	3.0
Vanadium	12/14/99	ND	NLE	1.0
Zinc	12/14/99	55.2	5000	1.0

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 #: 4854.02
Sample Received: 10/14/99
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/14/99	255	200	10.0
Antimony	12/14/99	2.58	20	2.0
Arsenic	12/14/99	8.89	8	2.0
Barium	12/14/99	61.3	2000	0.5
Beryllium	12/14/99	ND	20	0.5
Cadmium	12/14/99	0.916	4	0.5
Calcium	12/14/99	89100	NLE	20.0
Chromium	12/14/99	4.33	100	0.5
Cobalt	12/14/99	7.21	NLE	0.5
Copper	12/14/99	102	1000	3.0
Iron	12/14/99	59800	300	10.0
Lead	12/14/99	ND	10	2.0
Magnesium	12/14/99	6690	NLE	20.0
Manganese	12/14/99	445	50	0.5
Mercury	11/09/99	ND	2	0.1
Nickel	12/14/99	49.1	100	0.5
Potassium	12/14/99	8210	NLE	20.0
Selenium	12/14/99	ND	50	3.0
Silver	12/14/99	ND	20	3.0
Sodium	12/14/99	9990	50000	20.0
Thallium	12/14/99	ND	10	3.0
Vanadium	12/14/99	1.56	NLE	1.0
Zinc	12/14/99	323	5000	1.0

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 #: 4854.03
Sample Received: 10/14/99
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/14/99	99.9	200	10.0
Antimony	12/14/99	2.32	20	2.0
Arsenic	12/14/99	ND	8	2.0
Barium	12/14/99	28.0	2000	0.5
Beryllium	12/14/99	ND	20	0.5
Cadmium	12/14/99	ND	4	0.5
Calcium	12/14/99	39900	NLE	20.0
Chromium	12/14/99	3.30	100	0.5
Cobalt	12/14/99	ND	NLE	0.5
Copper	12/14/99	63.9	1000	3.0
Iron	12/14/99	1050	300	10.0
Lead	12/14/99	ND	10	2.0
Magnesium	12/14/99	4490	NLE	20.0
Manganese	12/14/99	77.2	50	0.5
Mercury	11/09/99	ND	2	0.1
Nickel	12/14/99	1.14	100	0.5
Potassium	12/14/99	6580	NLE	20.0
Selenium	12/14/99	ND	50	3.0
Silver	12/14/99	9.16	20	3.0
Sodium	12/14/99	12000	50000	20.0
Thallium	12/14/99	ND	10	3.0
Vanadium	12/14/99	ND	NLE	1.0
Zinc	12/14/99	8.15	5000	1.0

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

	Laboratory	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Barium	Calcium	Magnesium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	300	50	20	200	20	8	2000	NLE	NLE	-
06/12/97	FMETL	27000	57	33	-	-	-	-	-	-	V,S,P,M
07/03/97	FMETL	30300	290	27	124.1	ND	2	70.8	27810	4280	V,S,P,M
11/07/97	FMETL	11600	136	ND	110	ND	ND	17.4	18930	2320	V,S,P,M
02/23/98	FMETL	50590	119	ND	76	ND	ND	46.2	20450	2420	V,S,P,M
05/07/98	FMETL	48050	172	ND	34.5	ND	2.6	51.1	25500	2956	V,S,P,M
08/06/98	FMETL	19900	219	ND	117	2.27	ND	337	29100	3200	V,S,P,M
11/03/98	FMETL	14700	100	ND	25.4	3.23	ND	13.8	19100	2530	V,S,P,M
01/29/99	FMETL	41400	654	ND	ND	ND	ND	35.8	40900	4550	V,S,P,M
05/25/99	FMETL	40400	314	ND	154	ND	ND	59.2	28800	3470	V,S,P,M
07/23/99	FMETL	13700	89.7	ND	74.8	ND	ND	13.2	16700	2120	V,S,P,M
10/14/99	FMETL	17400	147	ND	160	6.92	ND	27.2	20600	2770	V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 10/14/99

NOTES:

Page 1 of 2.

FORT MONMOUTH

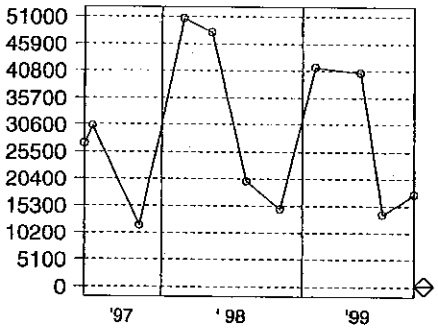
GW MONITORING
Bldg. M-14

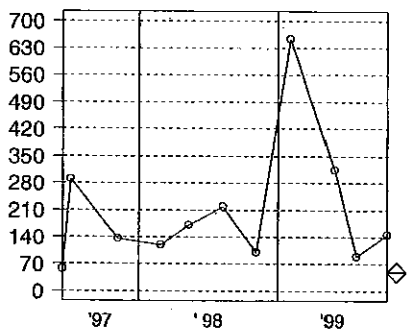
Well 1 of 3

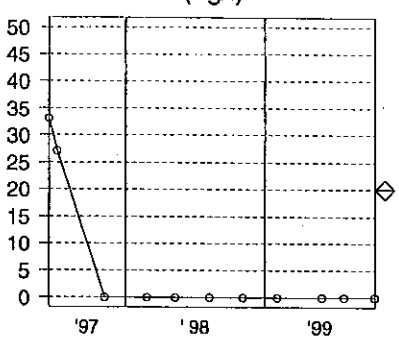
*Ag in blank > GW Criteria for 6/97 & 7/97.

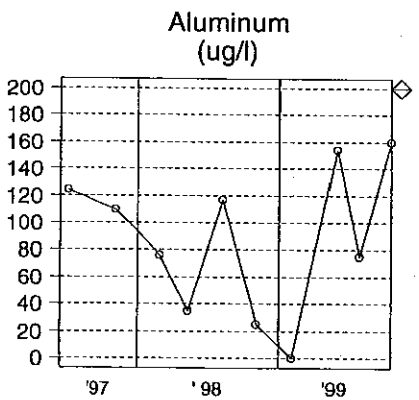
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

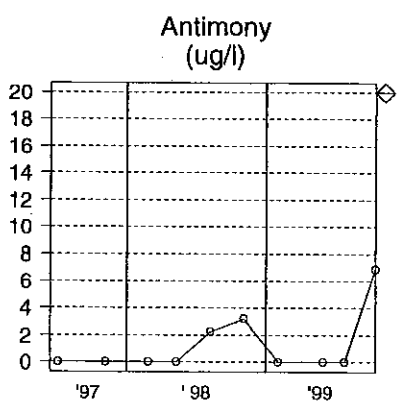
12-15-1999 x:\mtech46\fm\m-14\gw\m-14.wsf

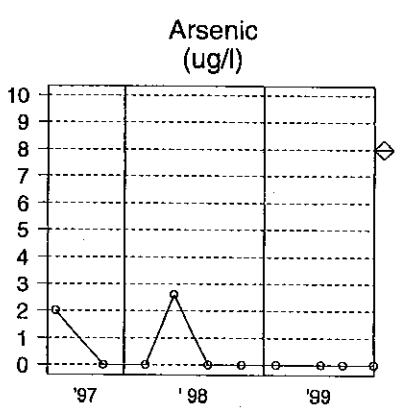


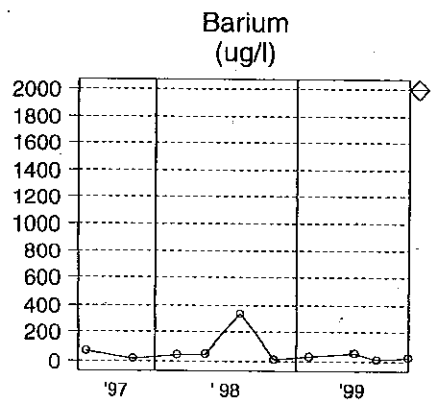


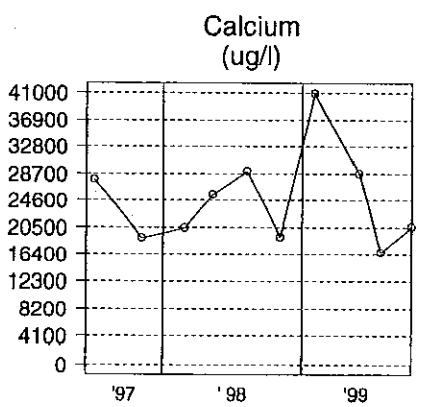


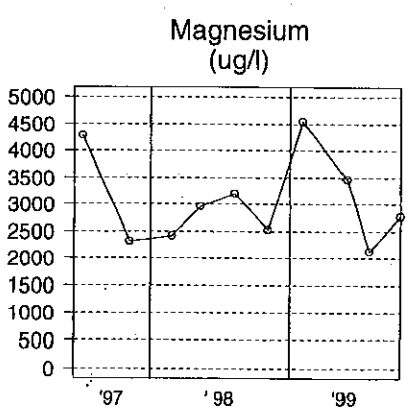












SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 10/14/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-15-1999 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Nickel	Potassium	Sodium	Zinc	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	100	NLE	50000	5000	-					-
06/12/97	FMETL	-	-	-	-	6.90					V,S,P,M
07/03/97	FMETL	ND	5340	8320	21	7.20					V,S,P,M
11/07/97	FMETL	ND	5660	6580	67	7.35					V,S,P,M
02/23/98	FMETL	1.2	6400	5940	21	6.40					V,S,P,M
05/07/98	FMETL	1.2	8018	7202	23.9	6.51					V,S,P,M
08/06/98	FMETL	ND	14800	9130	61.3	7.84					V,S,P,M
11/03/98	FMETL	5.69	28700	5360	72.6	8.01					V,S,P,M
01/29/99	FMETL	20.6	6380	7810	664	6.43					V,S,P,M
05/25/99	FMETL	0.931	7310	9220	4.98	7.31					V,S,P,M
07/23/99	FMETL	0.716	6330	5840	40.3	7.98					V,S,P,M
10/14/99	FMETL	5.03	6860	5880	55.2	7.67					V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 10/14/99

NOTES:

Page 2 of 2.

FORT MONMOUTH

GW MONITORING
Bldg. M-14

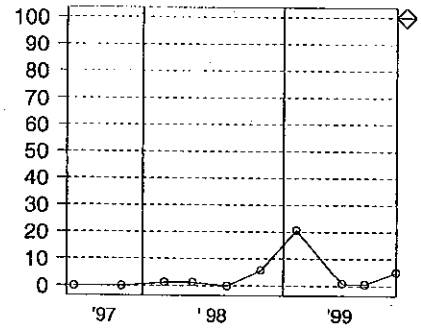
Well 1 of 3

*Ag in blank > GW Criteria for 6/97 & 7/97.

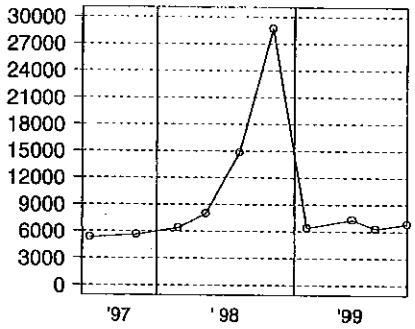
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-15-1999 x:\mtech46\fm\m-14\gw\m-14.wsf

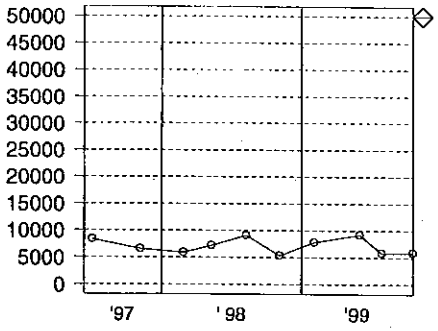
Nickel
(ug/l)



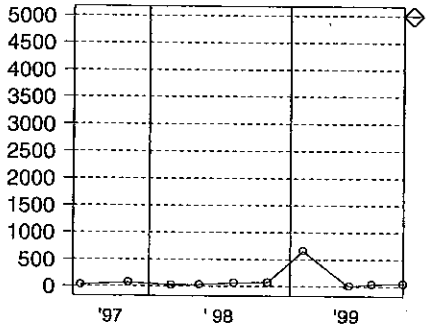
Potassium
(ug/l)



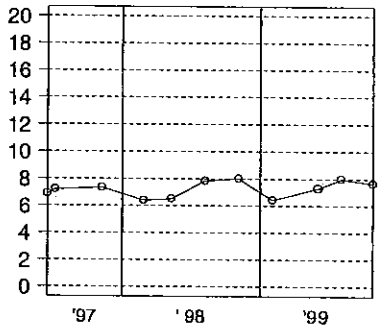
Sodium
(ug/l)



Zinc
(ug/l)



Depth to Water
(Feet)



SOURCE: 0M14MW19

Sampling Dates:
06/12/97 - 10/14/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-15-1999 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Barium	Calcium	Magnesium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	300	50	20	200	20	8	2000	NLE	NLE	-
06/12/97	FMETL	6990	147	32	-	-	-	-	-	-	V,S,P,M
07/03/97	FMETL	2470	75	29	21.2	ND	2	14.6	24700	2350	V,S,P,M
11/07/97	FMETL	2330	46	ND	71	ND	ND	14	34440	2420	V,S,P,M
02/23/98	FMETL	12550	677	ND	286	ND	ND	60.4	104400	8500	V,S,P,M
05/07/98	FMETL	ND	196	ND	ND	ND	ND	25.5	63960	4130	V,S,P,M
08/06/98	FMETL	6680	61	ND	270	2.74	3.77	30.6	37300	2980	V,S,P,M
11/03/98	FMETL	3360	57.8	ND	67.8	ND	3.94	17.7	41300	2730	V,S,P,M
01/29/99	FMETL	7210	146	ND	149	ND	ND	22.5	49400	2350	V,S,P,M
05/25/99	FMETL	1490	88.8	ND	139	ND	ND	43	45700	5560	V,S,P,M
07/23/99	FMETL	10600	57.7	ND	365	4.23	3.86	42.1	35500	3180	V,S,P,M
10/14/99	FMETL	59800	445	ND	255	2.58	8.89	61.3	89100	6690	V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 10/14/99

NOTES:

Page 1 of 2.

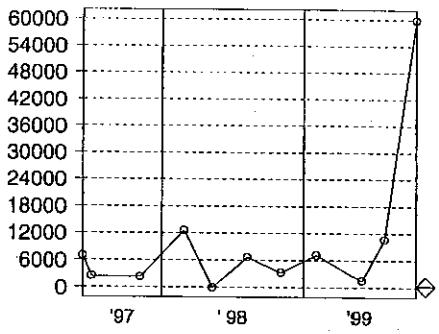
FORT MONMOUTH

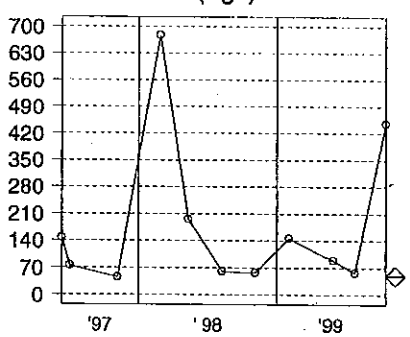
GW MONITORING
Bldg. M-14

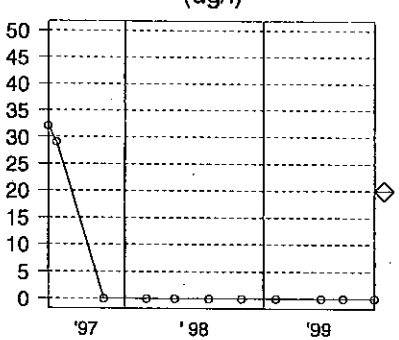
Well 2 of 3

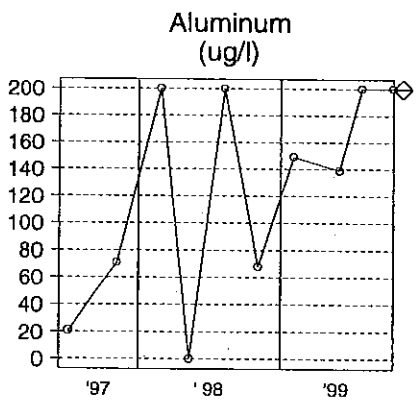
*Ag in blank > GW Criteria for 6/97 & 7/97.

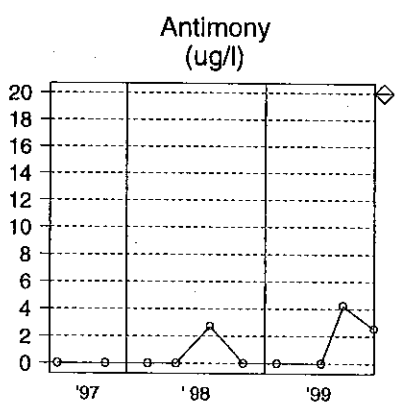
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

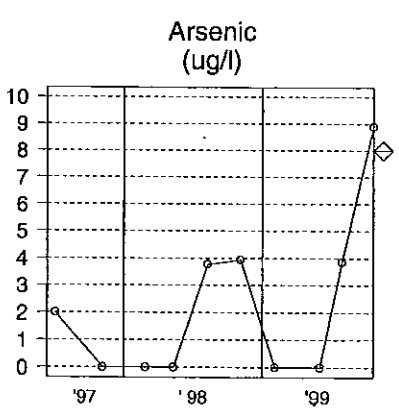


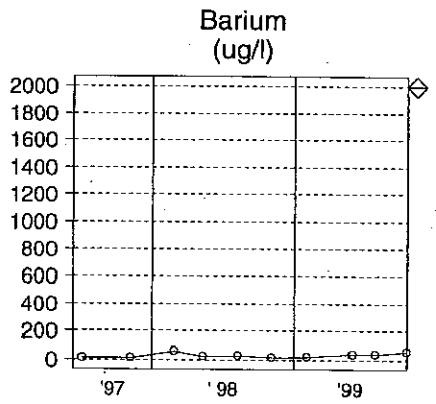


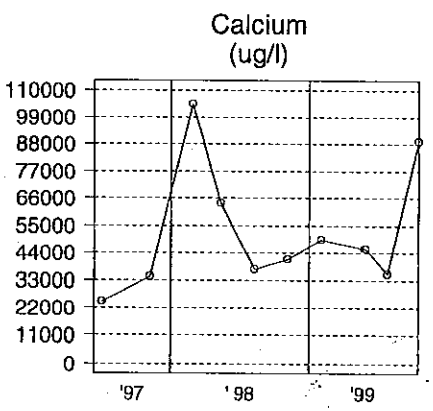


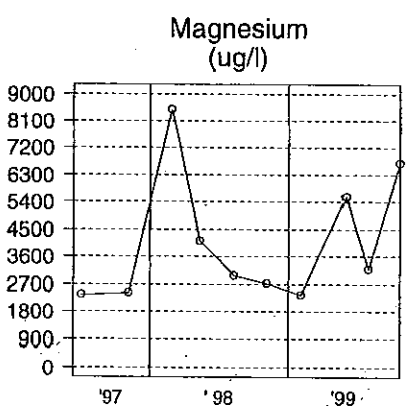












SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 10/14/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-15-1999 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Nickel	Potassium	Sodium	Zinc	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	100	NLE	50000	5000	-					-
06/12/97	FMETL	-	-	-	-	6.25					V,S,P,M
07/03/97	FMETL	ND	5290	6000	24	6.60					V,S,P,M
11/07/97	FMETL	ND	5080	5860	45	6.50					V,S,P,M
02/23/98	FMETL	24	9500	14860	108	5.80					V,S,P,M
05/07/98	FMETL	8.4	10450	10630	12	5.85					V,S,P,M
08/06/98	FMETL	ND	7570	6400	42.1	6.94					V,S,P,M
11/03/98	FMETL	2.59	6110	5760	17.4	7.40					V,S,P,M
01/29/99	FMETL	14.6	5550	7180	133	6.20					V,S,P,M
05/25/99	FMETL	4.32	7770	14000	2.3	6.78					V,S,P,M
07/23/99	FMETL	1.12	5710	6190	23.7	7.23					V,S,P,M
10/14/99	FMETL	49.1	8210	9990	323	6.82					V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 10/14/99

NOTES:

Page 2 of 2.

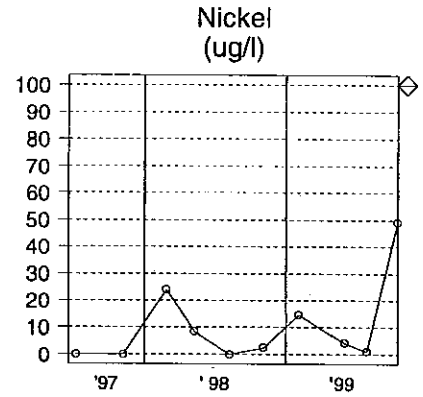
FORT MONMOUTH

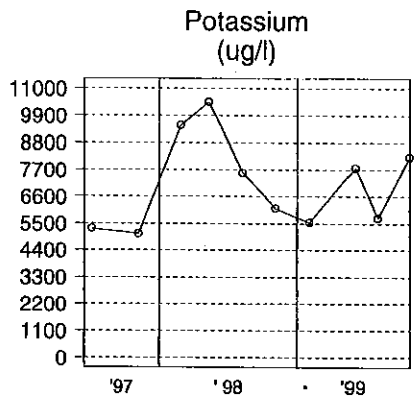
GW MONITORING
Bldg. M-14

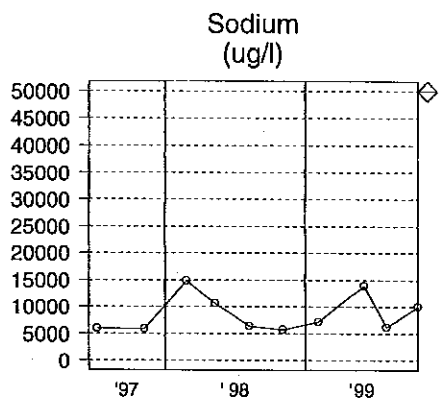
Well 2 of 3

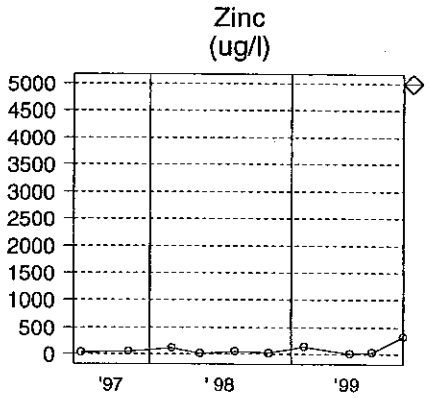
*Ag in blank > GW Criteria for 6/97 & 7/97.

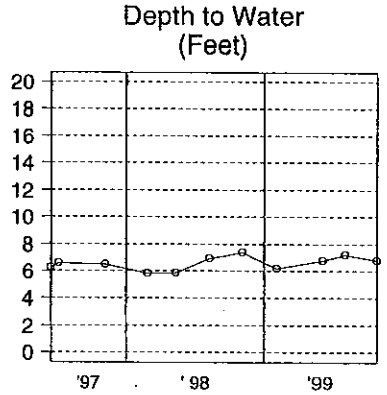
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 0M14MW20

Sampling Dates:
06/12/97 - 10/14/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-15-1999 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Barium	Calcium	Magnesium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	300	50	20	200	20	8	2000	NLE	NLE	-
06/12/97	FMETL	1470	64	83	-	-	-	-	-	-	V,S,P,M
07/03/97	FMETL	940	84	56	26.8	ND	ND	25.1	29690	4310	V,S,P,M
11/07/97	FMETL	690	58	ND	95	ND	ND	23.6	34450	4140	V,S,P,M
02/23/98	FMETL	5440	85	ND	93	ND	ND	97.1	48840	6670	V,S.P.M
05/07/98	FMETL	1009	54.6	ND	ND	3.4	ND	33.1	45440	6389	V,S,P,M
08/06/98	FMETL	3820	91.9	ND	1190	3.8	ND	43	44200	5090	V,S,P,M
11/03/98	FMETL	831	117	ND	93	ND	ND	73.4	86800	9390	V,S,P,M
01/29/99	FMETL	975	67.4	ND	ND	ND	ND	26.1	32300	3610	V,S,P,M
05/25/99	FMETL	29100	231	ND	538	5.05	5.38	65.2	60700	3870	V,S,P,M
07/23/99	FMETL	650	110	ND	64.7	ND	ND	87.9	79100	8940	V,S,P,M
10/14/99	FMETL	1050	77.2	9.16	99.9	2.32	ND	28.0	39900	4490	V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 10/14/99

NOTES:

Page 1 of 2.

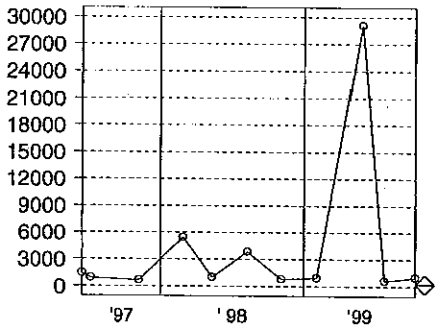
FORT MONMOUTH

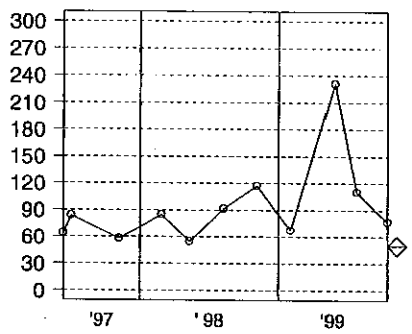
GW MONITORING
Bldg. M-14

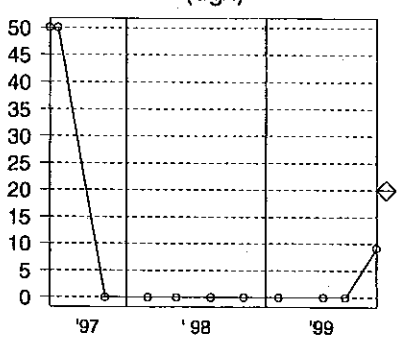
Well 3 of 3

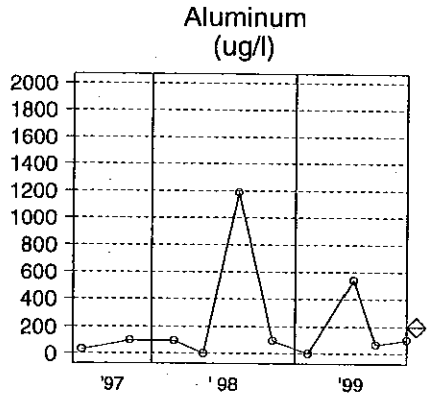
*Ag in blank > GW Criteria for 6/97 & 7/97.

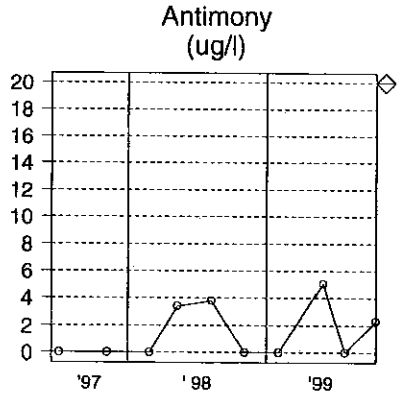
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

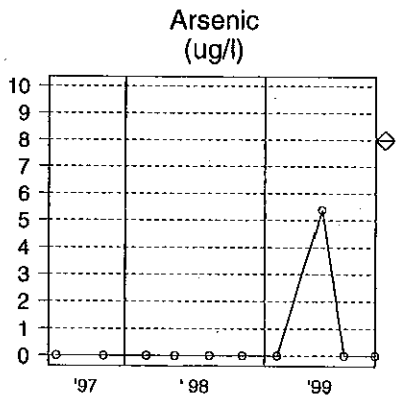


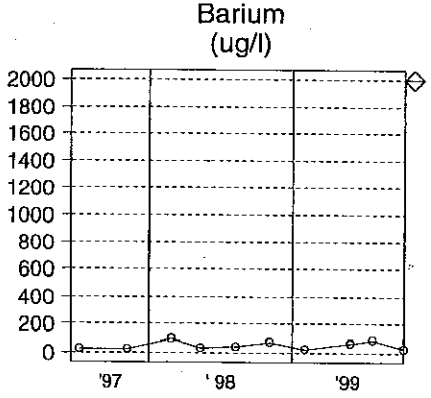


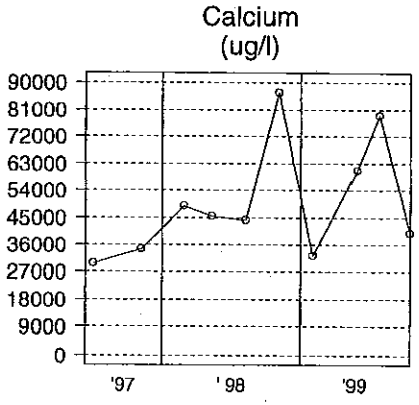


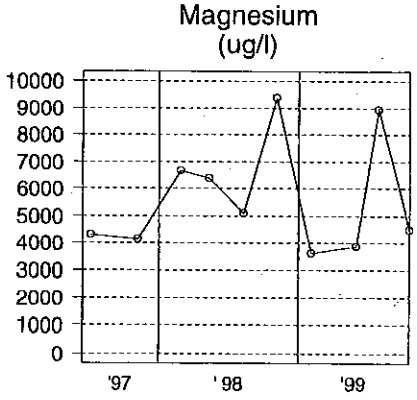












SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 10/14/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-15-1999 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Nickel	Potassium	Sodium	Zinc	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	100	NLE	50000	5000	-					-
06/12/97	FMETL	-	-	-	-	7.11					V,S,P,M
07/03/97	FMETL	ND	6360	6770	26	6.85					V,S,P,M
11/07/97	FMETL	5.9	6520	10300	236	7.10					V,S,P,M
02/23/98	FMETL	3.8	9230	25370	20	6.10					V,S.P.M
05/07/98	FMETL	1.5	10820	11820	ND	6.22					V,S,P,M
08/06/98	FMETL	1.29	12600	7930	47.5	6.83					V,S,P,M
11/03/98	FMETL	2.19	11300	38800	ND	6.72					V,S,P,M
01/29/99	FMETL	1.17	6240	12300	12	6.27					V,S,P,M
05/25/99	FMETL	5.99	7950	9230	27.1	6.58					V,S,P,M
07/23/99	FMETL	ND	11200	47000	15.5	7.41					V,S,P,M
10/14/99	FMETL	1.14	6580	12000	8.15	7.70					V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 10/14/99

NOTES:

Page 2 of 2.

FORT MONMOUTH

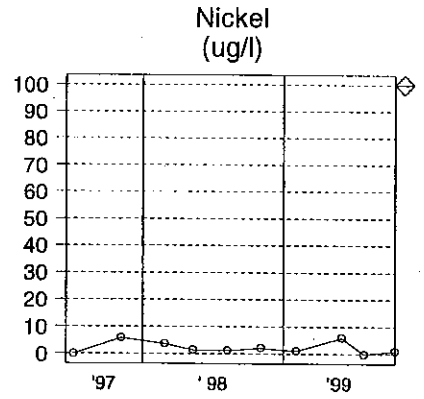
GW MONITORING
Bldg. M-14

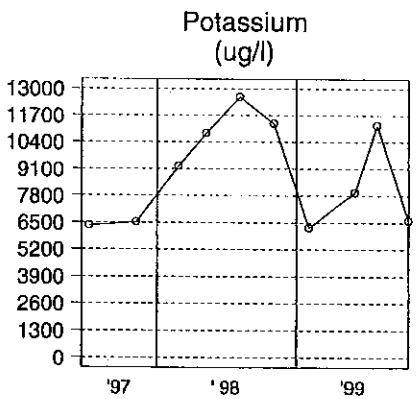
Well 3 of 3

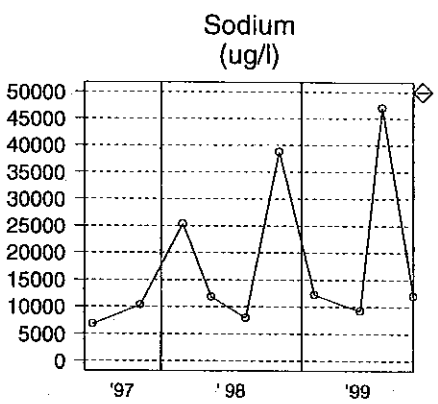
*Ag in blank > GW Criteria for 6/97 & 7/97.

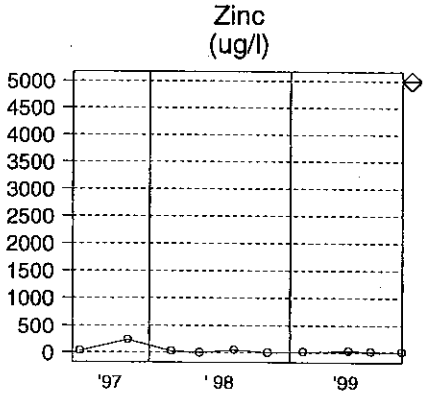
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

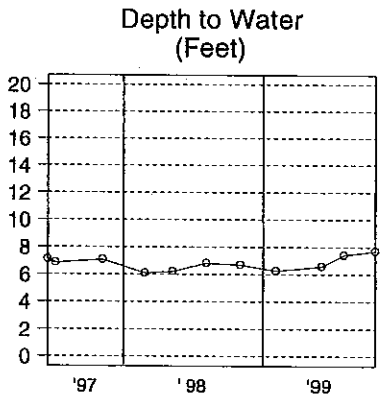
12-15-1999 x:\mtech46\fm\m-14\gw\m-14.wsf











SOURCE: 0M14MW21

Sampling Dates:
06/12/97 - 10/14/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 3, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-15-1999 x:\mtech46\fm\m-14\gw\m-14.wsf

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
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-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5198.04	0M14MW19	29-32579	02/24/00
5198.05	0M14MW20	29-32580	02/24/00
5198.06	0M14MW21	29-32581	02/24/00
5198.07	0M14MW22	29-41787	02/24/00
5198.08	0M14MW23	29-41786	02/24/00

NJDEP Laboratory Certification # 13461

4-6-00

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

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 #: 532-6223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: M14 Landfill MW's 1st Qrtr 00 (Qrtly + 1st Rnd News)

Samplers Name / Company: Corey McCormack, TVS

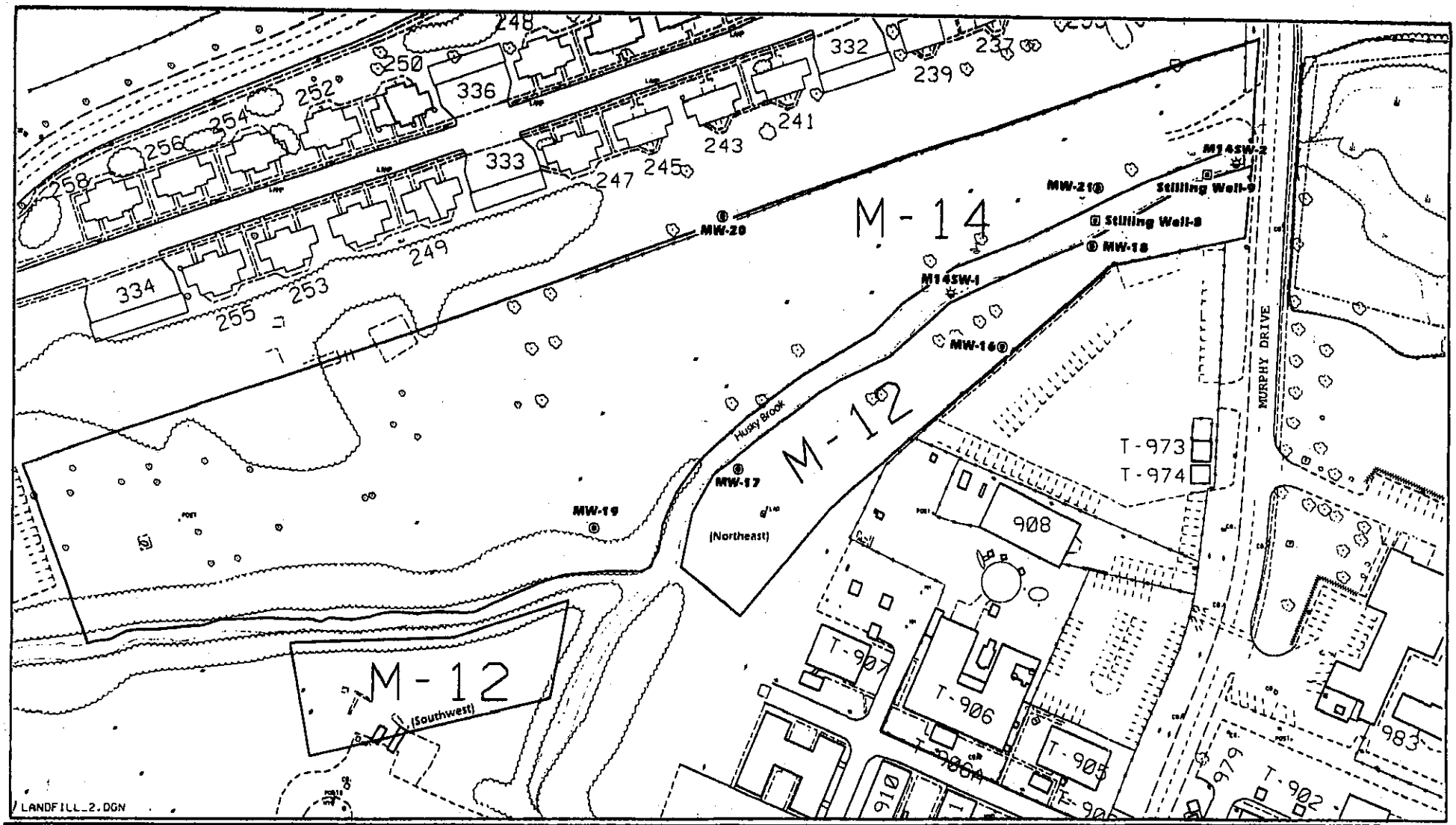
Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+10	TAL MTLS	Pest/PCB	BNA+25				Hno3 Read	Comments: HCL/HNO3/4°C / Remarks / Preservation Method
31498.01	Trip	2/24/00	0752	AQ	2	✓							—	
.02	Field Blank		1000		5	✓	✓	✓	✓				—	
.03	Dupe		—		5	✓	✓	✓	✓				—	
.04	OM14 MW19		1041		5	✓	✓	✓	✓				0.0	29-32579
.05	OM14 MW20		1028		5	✓	✓	✓	✓				0.0	29-32580
.06	OM14 MW21		1022		5	✓	✓	✓	✓				0.0	29-32581
.07	OM14 MW22		1343		5	✓	✓	✓	✓				0.0	29-41787 (New)
.08	OM14 MW23		1352		5	✓	✓	✓	✓				0.0	29-41786 (New)
~~.09~~	OM14 MW24	Not Yet Installed												29-41788 (New)

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	2/24/00 1505				
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, L-1

Coc.xls1/31/00


M-14
M-12
M-12
(Southwest)
(Northeast)
MW-20
MW-21
MW-18
MW-16
MW-17
MW-19
M14SW-1
M14SW-2
Stilling Well-1
Stilling Well-2
Husky Brook
MURPHY DRIVE
T-973
T-974
908
T-907
T-906
T-906A
T-905
T-904
910
979
T-902
983
248
250
252
254
256
258
336
332
239
241
243
333
247
245
249
334
255
253
LANDFILL_2.DGN
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
Fort Monmouth, Main Post
FIGURE 4.2-15
LANDFILLS 12 (M-12) AND 14 (M-14)
SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW19
NJDEP ID #: 29-32579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02/24/00
WEATHER: Sunny, warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.68 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.74 ft
DEPTH OF WELL: 17.50 ft
DEPTH TO TOP OF SCREEN: 5.00 ft
HEIGHT OF WATER: 10.76 ft
(10.76) X .65 X 3 = 20.98
GALLONS OF H2O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:15
pH 6.93 su
TEMP 12.8 °C
DISSOLVED O2 6.09 ppm
SPECIFIC CONDUCTIVITY 100 us/cm

PURGE END TIME: 10:46
pH 6.94 su
TEMP 12.5 °C
DISSOLVED O2 5.29 ppm
SPECIFIC CONDUCTIVITY 98 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.83 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 10:47
pH 6.93 su
TEMP 12.5 °C
DISSOLVED O2 5.25 ppm
SPECIFIC CONDUCTIVITY 99 us/cm

SAMPLE END TIME: 10:53

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW20
NJDEP ID #: 29-32580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02/24/00
WEATHER: Sunny, warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.29 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.71 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: 4.50 ft
HEIGHT OF WATER: 10.19 ft
(10.19) X .65 X 3 = 19.87
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:52
pH 6.91 su — TEMP 12.7 °C
DISSOLVED O2 6.10 ppm — SPECIFIC CONDUCTIVITY 100 us/cm

PURGE END TIME: 10:59
pH 6.91 su — TEMP 12.6 °C
DISSOLVED O2 5.28 ppm — SPECIFIC CONDUCTIVITY 101 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.15 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 10:28
pH 6.91 su — TEMP 12.6 °C
DISSOLVED O2 5.23 ppm — SPECIFIC CONDUCTIVITY 101 us/cm

SAMPLE END TIME: 10:35

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW21
NJDEP ID #: 29-32581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02/24/00
WEATHER: Sunny, warm.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.57 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.53 ft
DEPTH OF WELL: 19.30 ft
DEPTH TO TOP OF SCREEN: 6.00 ft
HEIGHT OF WATER: 11.77 ft
(11.77) X .65 X 3 = 22.95
GALLONS OF H2O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:41
pH 6.89 su
TEMP 12.7 °C
DISSOLVED O2 6.11 ppm
SPECIFIC CONDUCTIVITY 93 us/cm

PURGE END TIME: 10:21
pH 6.91 su
TEMP 12.6 °C
DISSOLVED O2 5.29 ppm
SPECIFIC CONDUCTIVITY 94 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.41 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 10:22
pH 6.92 su
TEMP 12.6 °C
DISSOLVED O2 5.28 ppm
SPECIFIC CONDUCTIVITY 96 us/cm

SAMPLE END TIME: 10:27

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW22
NJDEP ID #: 29-41787
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02/24/00
WEATHER: Sunny, warm.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.99 ft
DEPTH OF WELL: 20.15 ft
DEPTH TO TOP OF SCREEN: 3.00 ft
HEIGHT OF WATER: 13.16 ft
(13.16) X .65 X 3 = 25.66
GALLONS OF H2O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:50
pH 6.89 su — TEMP 12.7 °C
DISSOLVED O2 6.07 ppm — SPECIFIC CONDUCTIVITY 76 us/cm

PURGE END TIME: 13:43
pH 6.93 su — TEMP 12.6 °C
DISSOLVED O2 5.31 ppm — SPECIFIC CONDUCTIVITY 75 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.63 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 13:45
pH 6.92 su — TEMP 12.5 °C
DISSOLVED O2 5.27 ppm — SPECIFIC CONDUCTIVITY 77 us/cm

SAMPLE END TIME: 13:51

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW23
NJDEP ID #: 29-41786
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02/24/00
WEATHER: Sunny, warm.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.40 ft
DEPTH OF WELL: 20.01 ft
DEPTH TO TOP OF SCREEN: 3.00 ft
HEIGHT OF WATER: 12.61 ft
(12.61) X .65 X 3 = 24.58
GALLONS OF H2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:55
pH 6.93 su — TEMP 12.8 °C
DISSOLVED O2 6.01 ppm — SPECIFIC CONDUCTIVITY 70 us/cm

PURGE END TIME: 13:43
pH 6.91 su — TEMP 12.5 °C
DISSOLVED O2 5.21 ppm — SPECIFIC CONDUCTIVITY 73 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.71 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 13:52
pH 6.92 su — TEMP 12.5 °C
DISSOLVED O2 5.17 ppm — SPECIFIC CONDUCTIVITY 74 us/cm

SAMPLE END TIME: 13:59

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 is in Both Sample and Blank
D	: Results are from a Dilution of the Sample
U	: Compound Searched for but not Detected
E	: Compound Exceeds Calibration Limit

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

Data File	**VC002163.D**	Sample Name	**Vblk59**
Operator	**Skelton**	Field ID	**Vblk59**
Date Acquired	**28 Feb 2000 11:48 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	
75343	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	
156594	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

3/3/00 11:59 AM

C:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Vblk59**

Lab Name: FMETL NJDEP#: 13461

Project: ltm Case No.: 5198 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk59

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC002163.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: not dec. Date Analyzed: 2/28/00

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	**VC002180.D**	Sample Name	**5198.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**28 Feb 2000 11:22 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	
75343	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	
156594	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

3/3/00 11:59 AM

C:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: Itm Case No.: 5198 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5198.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC002180.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: not dec. Date Analyzed: 2/28/00

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	**VC002181.D**	Sample Name	**5198.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**29 Feb 2000 12:02 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	
75343	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	
156594	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

3/3/00 11:59 AM

C:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: ltm Case No.: 5198 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5198.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC002181.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: not dec. Date Analyzed: 2/29/00

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	**VC002182.D**	Sample Name	**5198.03**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**29 Feb 2000 12:43 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	
75343	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	
156594	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

3/3/00 11:59 AM

C:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: ltm Case No.: 5198 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5198.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC002182.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: not dec. Date Analyzed: 2/29/00

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	VC002183.D	Sample Name	5198.04
Operator	Skelton	Field ID	0M14MW19
Date Acquired	29 Feb 2000 1:24 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	
75343	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	
156594	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

3/3/00 11:59 AM

C:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0M14MW19**

Lab Name: FMETL NJDEP#: 13461

Project: ltm Case No.: 5198 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5198.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC002183.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: not dec. Date Analyzed: 2/29/00

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	**VC002184.D**	Sample Name	**5198.05**
Operator	**Skelton**	Field ID	**0M14MW20**
Date Acquired	**29 Feb 2000 2:04 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	
75343	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	
156594	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

3/3/00 12:00 PM

C:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0M14MW20**

Lab Name: FMETL NJDEP#: 13461

Project: ltm Case No.: 5198 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5198.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC002184.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: not dec. Date Analyzed: 2/29/00

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	**VC002185.D**	Sample Name	**5198.06**
Operator	**Skelton**	Field ID	**0M14MW21**
Date Acquired	**29 Feb 2000 2:46 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	
75343	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	
156594	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

3/3/00 12:00 PM

C:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0M14MW21**

Lab Name: FMETL NJDEP#: 13461

Project: ltm Case No.: 5198 Location: M14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5198.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC002185.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: not dec. _____ Date Analyzed: 2/29/00

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	**VC002186.D**	Sample Name	**5198.07**
Operator	**Skelton**	Field ID	**0M14MW22**
Date Acquired	**29 Feb 2000 3:27 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	
75343	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	
156594	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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	27.34	263551	2.61 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-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

3/3/00 12:00 PM

C:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0M14MW22**

Lab Name: FMETL NJDEP#: 13461

Project: ltm Case No.: 5198 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5198.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC002186.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: not dec. Date Analyzed: 2/29/00

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	VC002187.D	Sample Name	5198.08
Operator	Skelton	Field ID	0M14MW23
Date Acquired	29 Feb 2000 4:07 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	
75343	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	
156594	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-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

FIELD ID: **0M14MW23**

Lab Name: FMETL NJDEP#: 13461

Project: ltm Case No.: 5198 Location: M14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5198.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC002187.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: not dec. _____ Date Analyzed: 2/29/00

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

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04266.D**	Sample Name	**Sblk350**
Operator	**Bhaskar**	Misc Info	**Sblk350 A 000301**
Date Acquired	**1-Mar-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04266.D**	Sample Name	**Sblk350**
Operator	**Bhaskar**	Misc Info	**Sblk350 A 000301**
Date Acquired	**1-Mar-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **Sblk350**

Lab Name: FMETL Lab Code 13461

Project: 100004 Case No.: 5198 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: Sblk350

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04266.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: decanted: (Y/N) N Date Extracted: 3/1/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/1/00

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	**BN04268.D**	Sample Name	**5198.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**1-Mar-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04268.D**	Sample Name	**5198.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**1-Mar-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: 100004 Case No.: 5198 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5198.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04268.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: decanted: (Y/N) N Date Extracted: 3/1/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/1/00

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	**BN04269.D**	Sample Name	**5198.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**1-Mar-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04269.D**	Sample Name	**5198.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**1-Mar-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: 100004 Case No.: 5198 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5198.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04269.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: decanted: (Y/N) N Date Extracted: 3/1/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/1/00

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	**BN04270.D**	Sample Name	**5198.04**
Operator	**Bhaskar**	Misc Info	**0M14MW19**
Date Acquired	**1-Mar-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04270.D**	Sample Name	**5198.04**
Operator	**Bhaskar**	Misc Info	**0M14MW19**
Date Acquired	**1-Mar-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW19**

Lab Name: FMETL Lab Code 13461

Project: 100004 Case No.: 5198 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5198.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04270.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: decanted: (Y/N) N Date Extracted: 3/1/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/1/00

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	28.86	5	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04271.D**	Sample Name	**5198.05**
Operator	**Bhaskar**	Misc Info	**0M14MW20**
Date Acquired	**1-Mar-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04271.D**	Sample Name	**5198.05**
Operator	**Bhaskar**	Misc Info	**0M14MW20**
Date Acquired	**1-Mar-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW20**

Lab Name: FMETL Lab Code 13461

Project: 100004 Case No.: 5198 Location: M14 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 5198.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04271.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 3/1/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/1/00

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	27.49	5	J
2.	unknown	28.86	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04272.D**	Sample Name	**5198.06**
Operator	**Bhaskar**	Misc Info	**0M14MW21**
Date Acquired	**1-Mar-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04272.D**	Sample Name	**5198.06**
Operator	**Bhaskar**	Misc Info	**0M14MW21**
Date Acquired	**1-Mar-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phtbalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW21**

Lab Name: FMETL Lab Code 13461

Project: 100004 Case No.: 5198 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5198.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04272.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: decanted: (Y/N) N Date Extracted: 3/1/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/1/00

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	27.49	10	J
2.	unknown	28.85	5	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04273.D**	Sample Name	**5198.07**
Operator	**Bhaskar**	Misc Info	**0M14MW22**
Date Acquired	**1-Mar-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04273.D**	Sample Name	**5198.07**
Operator	**Bhaskar**	Misc Info	**0M14MW22**
Date Acquired	**1-Mar-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW22**

Lab Name: FMETL Lab Code 13461

Project: 100004 Case No.: 5198 Location: M14 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 5198.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04273.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 3/1/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/1/00

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. 000057-10-3	Hexadecanoic acid	19.54	5	JN
2.	unknown	27.48	8	J
3.	unknown	28.86	9	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04274.D**	Sample Name	**5198.08**
Operator	**Bhaskar**	Misc Info	**0M14MW23**
Date Acquired	**1-Mar-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04274.D**	Sample Name	**5198.08**
Operator	**Bhaskar**	Misc Info	**0M14MW23**
Date Acquired	**1-Mar-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW23**

Lab Name: FMETL Lab Code 13461

Project: 100004 Case No.: 5198 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5198.08

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04274.D

Level: (low/med) LOW Date Received: 2/24/00

% Moisture: decanted: (Y/N) N Date Extracted: 3/1/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/1/00

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	27.49	16	J
2.	unknown	28.86	8	J

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

Client :	U.S. Army	**Lab. ID # :**	BLK480
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	2/29/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/8/00
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5198.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/24/00
	Bldg. 173	**Extraction Date:**	2/29/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/8/00
Analysis:	EPA Method 608	**Location :**	M14 MWs
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5198.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/24/00
	Bldg. 173	**Extraction Date:**	2/29/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/8/00
Analysis:	EPA Method 608	**Location :**	M14 MWs
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Dupe
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5198.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/24/00
	Bldg. 173	**Extraction Date:**	2/29/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/8/00
Analysis:	EPA Method 608	**Location :**	M14 MWs
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5198.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/24/00
	Bldg. 173	**Extraction Date:**	2/29/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/8/00
Analysis:	EPA Method 608	**Location :**	M14 MWs
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5198.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/24/00
	Bldg. 173	**Extraction Date:**	2/29/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/8/00
Analysis:	EPA Method 608	**Location :**	M14 MWs
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5198.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/24/00
	Bldg. 173	**Extraction Date:**	2/29/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/8/00
Analysis:	EPA Method 608	**Location :**	M14 MWs
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW22
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5198.08
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/24/00
	Bldg. 173	**Extraction Date:**	2/29/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/8/00
Analysis:	EPA Method 608	**Location :**	M14 MWs
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW23
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0033	ND
4,4'-DDD	1		0.10	0.0022	ND
4,4'-DDT	1		0.10	0.0013	ND
Endosulfan-Sulfate	1		0.40	0.0027	ND
Methoxychlor	1		40.00	0.0038	ND
Alpha-chlordane	1		0.50	0.0011	ND
Gamma-chlordane	1		0.50	0.0009	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0640	ND
Arochlor 1221	1		0.50	0.0500	ND
Arochlor 1232	1		0.50	0.0500	ND
Arochlor 1242	1		0.50	0.0280	ND
Arochlor 1248	1		0.50	0.0500	ND
Arochlor 1254	1		0.50	0.0500	ND
Arochlor 1260	1		0.50	0.0680	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

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

Lab ID #: 5198
Sample Prepared: 03/28/00

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	03/29/00	ND	200	10.0
Antimony	03/29/00	ND	20	2.0
Arsenic	03/29/00	ND	8	2.0
Barium	03/29/00	ND	2000	0.5
Beryllium	03/29/00	ND	20	0.5
Cadmium	03/29/00	ND	4	0.5
Calcium	03/29/00	80.1	NLE	20.0
Chromium	03/29/00	ND	100	0.5
Cobalt	03/29/00	ND	NLE	0.5
Copper	03/29/00	ND	1000	3.0
Iron	03/29/00	23.3	300	10.0
Lead	03/29/00	ND	10	2.0
Magnesium	03/29/00	28.3	NLE	20.0
Manganese	03/29/00	ND	50	0.5
Mercury	03/06/00	ND	2	0.1
Nickel	03/29/00	ND	100	0.5
Potassium	03/29/00	171	NLE	20.0
Selenium	03/29/00	ND	50	3.0
Silver	03/29/00	ND	20	3.0
Sodium	03/29/00	1030	50000	20.0
Thallium	03/29/00	ND	10	3.0
Vanadium	03/29/00	ND	NLE	1.0
Zinc	03/29/00	55.3	5000	1.0

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 #: 5198.02
Sample Received: 02/24/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	03/29/00	ND	200	10.0
Antimony	03/29/00	ND	20	2.0
Arsenic	03/29/00	ND	8	2.0
Barium	03/29/00	ND	2000	0.5
Beryllium	03/29/00	ND	20	0.5
Cadmium	03/29/00	ND	4	0.5
Calcium	03/29/00	ND	NLE	20.0
Chromium	03/29/00	ND	100	0.5
Cobalt	03/29/00	0.521	NLE	0.5
Copper	03/29/00	ND	1000	3.0
Iron	03/29/00	ND	300	10.0
Lead	03/29/00	ND	10	2.0
Magnesium	03/29/00	ND	NLE	20.0
Manganese	03/29/00	ND	50	0.5
Mercury	03/06/00	0.4	2	0.1
Nickel	03/29/00	ND	100	0.5
Potassium	03/29/00	139	NLE	20.0
Selenium	03/29/00	ND	50	3.0
Silver	03/29/00	ND	20	3.0
Sodium	03/29/00	159	50000	20.0
Thallium	03/29/00	ND	10	3.0
Vanadium	03/29/00	ND	NLE	1.0
Zinc	03/29/00	ND	5000	1.0

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 #: 5198.03
Sample Received: 02/24/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Dupe

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	03/29/00	ND	200	10.0
Antimony	03/29/00	ND	20	2.0
Arsenic	03/29/00	ND	8	2.0
Barium	03/29/00	19.6	2000	0.5
Beryllium	03/29/00	ND	20	0.5
Cadmium	03/29/00	ND	4	0.5
Calcium	03/29/00	18000	NLE	20.0
Chromium	03/29/00	ND	100	0.5
Cobalt	03/29/00	ND	NLE	0.5
Copper	03/29/00	ND	1000	3.0
Iron	03/29/00	22300	300	10.0
Lead	03/29/00	ND	10	2.0
Magnesium	03/29/00	2390	NLE	20.0
Manganese	03/29/00	102	50	0.5
Mercury	03/06/00	0.3	2	0.1
Nickel	03/29/00	ND	100	0.5
Potassium	03/29/00	6100	NLE	20.0
Selenium	03/29/00	ND	50	3.0
Silver	03/29/00	ND	20	3.0
Sodium	03/29/00	5930	50000	20.0
Thallium	03/29/00	ND	10	3.0
Vanadium	03/29/00	ND	NLE	1.0
Zinc	03/29/00	12.3	5000	1.0

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 #: 5198.04
Sample Received: 02/24/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	03/29/00	ND	200	10.0
Antimony	03/29/00	ND	20	2.0
Arsenic	03/29/00	ND	8	2.0
Barium	03/29/00	21.6	2000	0.5
Beryllium	03/29/00	ND	20	0.5
Cadmium	03/29/00	ND	4	0.5
Calcium	03/29/00	18700	NLE	20.0
Chromium	03/29/00	ND	100	0.5
Cobalt	03/29/00	ND	NLE	0.5
Copper	03/29/00	ND	1000	3.0
Iron	03/29/00	24900	300	10.0
Lead	03/29/00	ND	10	2.0
Magnesium	03/29/00	2450	NLE	20.0
Manganese	03/29/00	105	50	0.5
Mercury	03/06/00	0.2	2	0.1
Nickel	03/29/00	ND	100	0.5
Potassium	03/29/00	6080	NLE	20.0
Selenium	03/29/00	ND	50	3.0
Silver	03/29/00	ND	20	3.0
Sodium	03/29/00	5800	50000	20.0
Thallium	03/29/00	ND	10	3.0
Vanadium	03/29/00	ND	NLE	1.0
Zinc	03/29/00	21.4	5000	1.0

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 #: 5198.05
Sample Received: 02/24/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	03/29/00	132	200	10.0
Antimony	03/29/00	ND	20	2.0
Arsenic	03/29/00	5.83	8	2.0
Barium	03/29/00	35.9	2000	0.5
Beryllium	03/29/00	ND	20	0.5
Cadmium	03/29/00	ND	4	0.5
Calcium	03/29/00	61600	NLE	20.0
Chromium	03/29/00	1.87	100	0.5
Cobalt	03/29/00	1.57	NLE	0.5
Copper	03/29/00	ND	1000	3.0
Iron	03/29/00	9570	300	10.0
Lead	03/29/00	ND	10	2.0
Magnesium	03/29/00	4600	NLE	20.0
Manganese	03/29/00	225	50	0.5
Mercury	03/06/00	ND	2	0.1
Nickel	03/29/00	8.52	100	0.5
Potassium	03/29/00	7220	NLE	20.0
Selenium	03/29/00	ND	50	3.0
Silver	03/29/00	ND	20	3.0
Sodium	03/29/00	9380	50000	20.0
Thallium	03/29/00	ND	10	3.0
Vanadium	03/29/00	ND	NLE	1.0
Zinc	03/29/00	45.1	5000	1.0

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 #: 5198.06
Sample Received: 02/24/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	03/29/00	ND	200	10.0
Antimony	03/29/00	ND	20	2.0
Arsenic	03/29/00	ND	8	2.0
Barium	03/29/00	18.4	2000	0.5
Beryllium	03/29/00	ND	20	0.5
Cadmium	03/29/00	ND	4	0.5
Calcium	03/29/00	30700	NLE	20.0
Chromium	03/29/00	ND	100	0.5
Cobalt	03/29/00	ND	NLE	0.5
Copper	03/29/00	ND	1000	3.0
Iron	03/29/00	871	300	10.0
Lead	03/29/00	ND	10	2.0
Magnesium	03/29/00	3620	NLE	20.0
Manganese	03/29/00	69.8	50	0.5
Mercury	03/06/00	ND	2	0.1
Nickel	03/29/00	ND	100	0.5
Potassium	03/29/00	5870	NLE	20.0
Selenium	03/29/00	ND	50	3.0
Silver	03/29/00	ND	20	3.0
Sodium	03/29/00	6760	50000	20.0
Thallium	03/29/00	ND	10	3.0
Vanadium	03/29/00	ND	NLE	1.0
Zinc	03/29/00	7.62	5000	1.0

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 #: 5198.07
Sample Received: 02/24/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW22

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	03/29/00	93.4	200	10.0
Antimony	03/29/00	ND	20	2.0
Arsenic	03/29/00	ND	8	2.0
Barium	03/29/00	119	2000	0.5
Beryllium	03/29/00	ND	20	0.5
Cadmium	03/29/00	ND	4	0.5
Calcium	03/29/00	71200	NLE	20.0
Chromium	03/29/00	3.76	100	0.5
Cobalt	03/29/00	3.67	NLE	0.5
Copper	03/29/00	ND	1000	3.0
Iron	03/29/00	21400	300	10.0
Lead	03/29/00	ND	10	2.0
Magnesium	03/29/00	6590	NLE	20.0
Manganese	03/29/00	422	50	0.5
Mercury	03/06/00	0.1	2	0.1
Nickel	03/29/00	7.19	100	0.5
Potassium	03/29/00	6180	NLE	20.0
Selenium	03/29/00	ND	50	3.0
Silver	03/29/00	ND	20	3.0
Sodium	03/29/00	10500	50000	20.0
Thallium	03/29/00	ND	10	3.0
Vanadium	03/29/00	ND	NLE	1.0
Zinc	03/29/00	146	5000	1.0

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 #: 5198.08
Sample Received: 02/24/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW23

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	03/29/00	251	200	10.0
Antimony	03/29/00	69.7	20	2.0
Arsenic	03/29/00	3.17	8	2.0
Barium	03/29/00	76.3	2000	0.5
Beryllium	03/29/00	ND	20	0.5
Cadmium	03/29/00	0.932	4	0.5
Calcium	03/29/00	57200	NLE	20.0
Chromium	03/29/00	1340	100	0.5
Cobalt	03/29/00	24.5	NLE	0.5
Copper	03/29/00	352	1000	3.0
Iron	03/29/00	20000	300	10.0
Lead	03/29/00	19.2	10	2.0
Magnesium	03/29/00	25500	NLE	20.0
Manganese	03/29/00	395	50	0.5
Mercury	03/06/00	ND	2	0.1
Nickel	03/29/00	15800	100	0.5
Potassium	03/29/00	7810	NLE	20.0
Selenium	03/29/00	ND	50	3.0
Silver	03/29/00	ND	20	3.0
Sodium	03/29/00	30800	50000	20.0
Thallium	03/29/00	ND	10	3.0
Vanadium	03/29/00	6.25	NLE	1.0
Zinc	03/29/00	413	5000	1.0

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

	Laboratory	Acetone	2-Butanone	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	900	300	50	20	200	20	8	-
06/12/1997	FMETL	ND	ND	2.06	27000	57	33	-	-	-	V,S,P,M
07/03/1997	FMETL	ND	ND	1.04	30300	290	27	124.1	ND	2	V,S,P,M
11/07/1997	FMETL	ND	ND	1.60	11600	136	ND	110	ND	ND	V,S,P,M
02/23/1998	FMETL	ND	ND	7.20	50590	119	ND	76	ND	ND	V,S,P,M
05/07/1998	FMETL	ND	ND	ND	48050	172	ND	34.5	ND	2.6	V,S,P,M
08/06/1998	FMETL	5.25	4.38	ND	19900	219	ND	117	2.27	ND	V,S,P,M
11/03/1998	FMETL	ND	ND	ND	14700	100	ND	25.4	3.23	ND	V,S,P,M
01/29/1999	FMETL	ND	ND	ND	41400	654	ND	ND	ND	ND	V,S,P,M
05/25/1999	FMETL	ND	ND	ND	40400	314	ND	154	ND	ND	V,S,P,M
07/23/1999	FMETL	ND	ND	ND	13700	89.7	ND	74.8	ND	ND	V,S,P,M
10/14/1999	FMETL	ND	ND	ND	17400	147	ND	160	6.92	ND	V,S,P,M
02/24/2000	FMETL	ND	ND	ND	24900	105	ND	ND	ND	ND	V,S,P,M
02/24/2000D	FMETL	ND	ND	ND	22300	102	ND	ND	ND	ND	V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 02/24/2000

NOTES:

Page 1 of 2.

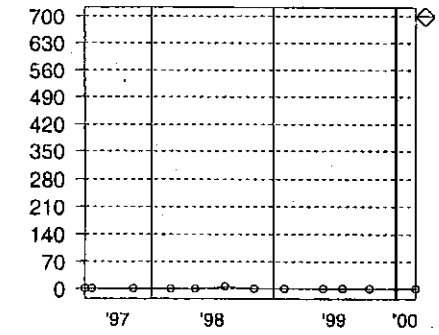
FORT MONMOUTH

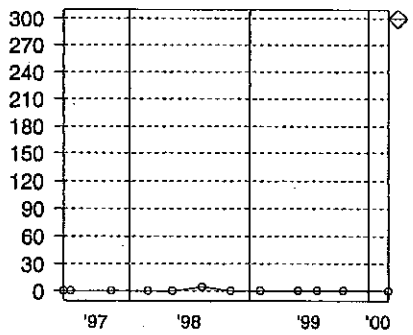
GW MONITORING
Bldg. M-14

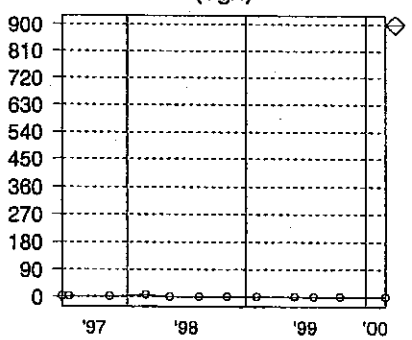
Well 1 of 5

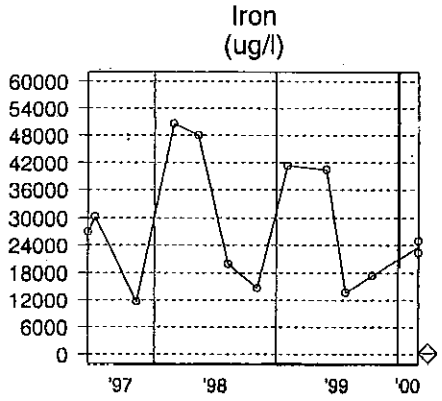
*Ag in blank > GW Criteria for 6/97 & 7/97.

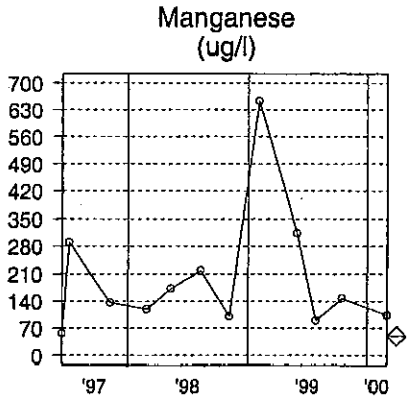
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

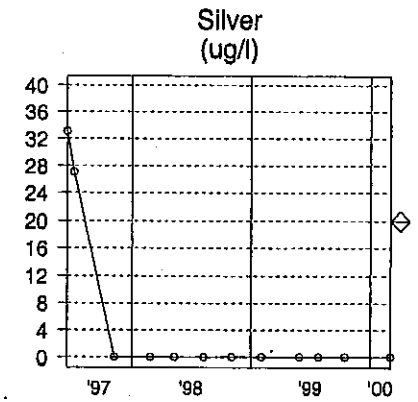


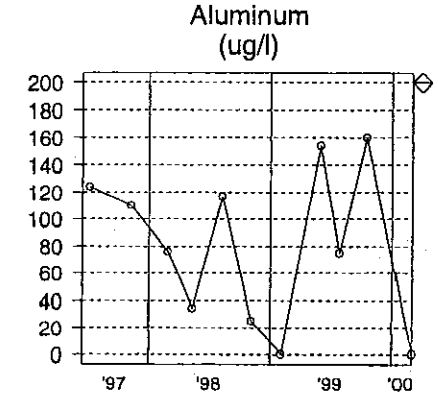


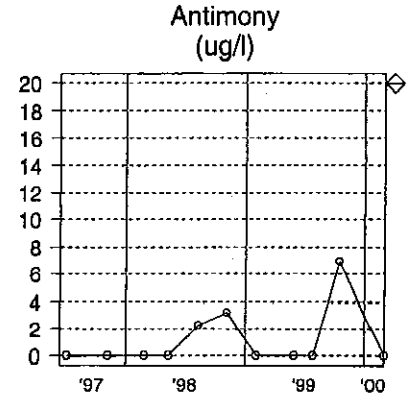


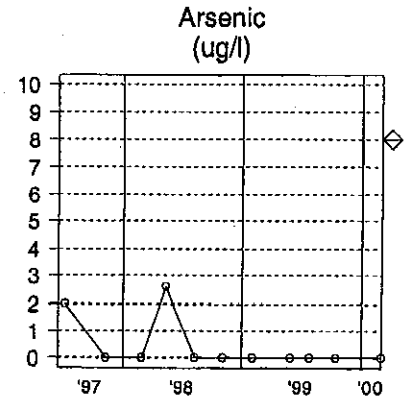












SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 02/24/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 5, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-06-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	2000	NLE	NLE	100	NLE	50000	5000	-		-
06/12/1997	FMETL	-	-	-	-	-	-	-	6.90		V,S,P,M
07/03/1997	FMETL	70.8	27810	4280	ND	5340	8320	21	7.20		V,S,P,M
11/07/1997	FMETL	17.4	18930	2320	ND	5660	6580	67	7.35		V,S,P,M
02/23/1998	FMETL	46.2	20450	2420	1.2	6400	5940	21	6.40		V,S,P,M
05/07/1998	FMETL	51.1	25500	2956	1.2	8018	7202	23.9	6.51		V,S,P,M
08/06/1998	FMETL	337	29100	3200	ND	14800	9130	61.3	7.84		V,S,P,M
11/03/1998	FMETL	13.8	19100	2530	5.69	28700	5360	72.6	8.01		V,S,P,M
01/29/1999	FMETL	35.8	40900	4550	20.6	6380	7810	664	6.43		V,S,P,M
05/25/1999	FMETL	59.2	28800	3470	0.931	7310	9220	4.98	7.31		V,S,P,M
07/23/1999	FMETL	13.2	16700	2120	0.716	6330	5840	40.3	7.98		V,S,P,M
10/14/1999	FMETL	27.2	20600	2770	5.03	6860	5880	55.2	7.67		V,S,P,M
02/24/2000	FMETL	21.6	18700	2450	ND	6080	5800	21.4	6.74		V,S,P,M
02/24/2000D	FMETL	19.6	18000	2390	ND	6100	5930	12.3	6.74		V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 02/24/2000

NOTES:

Page 2 of 2.

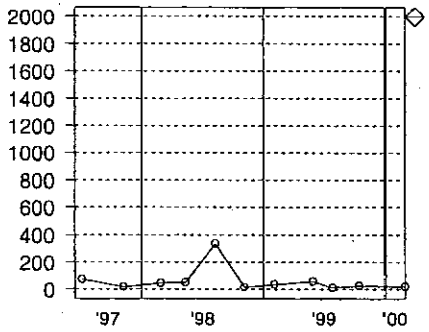
FORT MONMOUTH

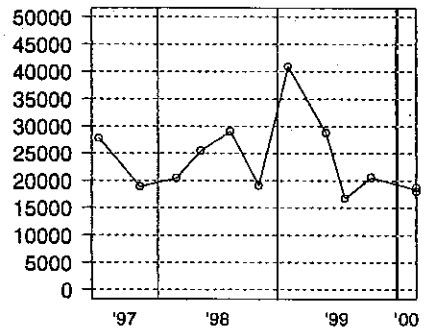
GW MONITORING
Bldg. M-14

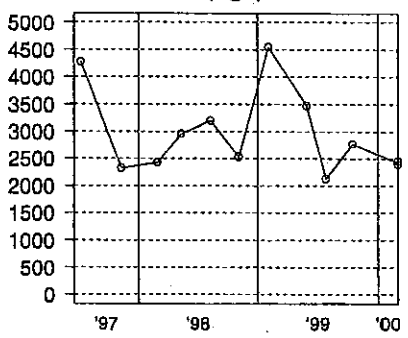
Well 1 of 5

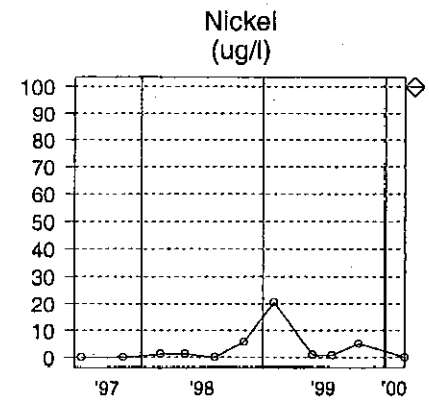
*Ag in blank > GW Criteria for 6/97 & 7/97.

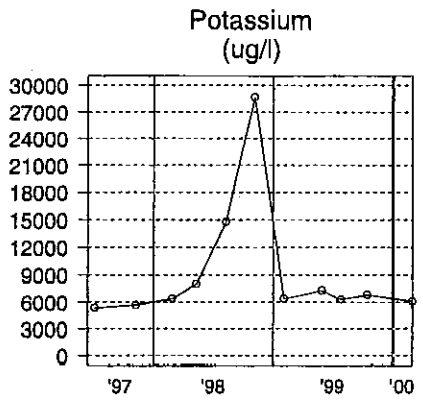
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

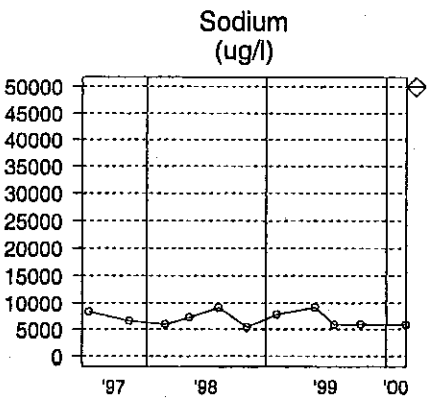


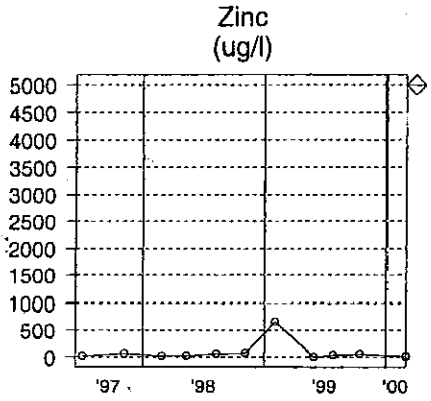


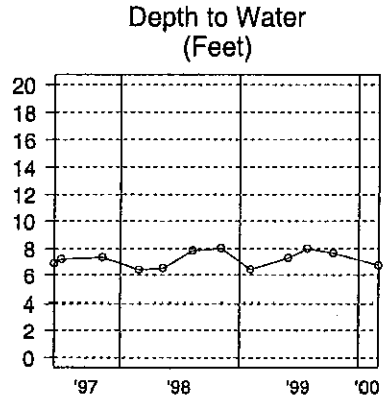












SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 02/24/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 5, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-06-2000 x:\rntech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	900	300	50	20	200	20	8	-
06/12/1997	FMETL	ND	ND	3.86	6990	147	32	-	-	-	6.25
07/03/1997	FMETL	ND	ND	1.31	2470	75	29	21.2	ND	2	6.60
11/07/1997	FMETL	ND	ND	2.09	2330	46	ND	71	ND	ND	6.50
02/23/1998	FMETL	ND	ND	12.5	12550	677	ND	286	ND	ND	5.80
05/07/1998	FMETL	ND	ND	ND	ND	196	ND	ND	ND	ND	5.85
08/06/1998	FMETL	14.14	6.58	ND	6680	61	ND	270	2.74	3.77	6.94
11/03/1998	FMETL	ND	ND	ND	3360	57.8	ND	67.8	ND	3.94	7.40
01/29/1999	FMETL	ND	ND	ND	7210	146	ND	149	ND	ND	6.20
05/25/1999	FMETL	ND	ND	ND	1490	88.8	ND	139	ND	ND	6.78
07/23/1999	FMETL	ND	ND	ND	10600	57.7	ND	365	4.23	3.86	7.23
10/14/1999	FMETL	ND	ND	ND	59800	445	ND	255	2.58	8.89	6.82
02/24/2000	FMETL	ND	ND	ND	9570	225	ND	132	ND	5.83	6.71

SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 02/24/2000

NOTES:

Page 1 of 2.

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 5

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Laboratory	Acetone	2-Butanone	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	900	300	50	20	200	20	8	-
06/12/1997	FMETL	ND	ND	3.86	6990	147	32	-	-	-	V,S,P,M
07/03/1997	FMETL	ND	ND	1.31	2470	75	29	21.2	ND	2	V,S,P,M
11/07/1997	FMETL	ND	ND	2.09	2330	46	ND	71	ND	ND	V,S,P,M
02/23/1998	FMETL	ND	ND	12.5	12550	677	ND	286	ND	ND	V,S,P,M
05/07/1998	FMETL	ND	ND	ND	ND	196	ND	ND	ND	ND	V,S,P,M
08/06/1998	FMETL	14.14	6.58	ND	6680	61	ND	270	2.74	3.77	V,S,P,M
11/03/1998	FMETL	ND	ND	ND	3360	57.8	ND	67.8	ND	3.94	V,S,P,M
01/29/1999	FMETL	ND	ND	ND	7210	146	ND	149	ND	ND	V,S,P,M
05/25/1999	FMETL	ND	ND	ND	1490	88.8	ND	139	ND	ND	V,S,P,M
07/23/1999	FMETL	ND	ND	ND	10600	57.7	ND	365	4.23	3.86	V,S,P,M
10/14/1999	FMETL	ND	ND	ND	59800	445	ND	255	2.58	8.89	V,S,P,M
02/24/2000	FMETL	ND	ND	ND	9570	225	ND	132	ND	5.83	V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 02/24/2000

NOTES:

Page 1 of 2.

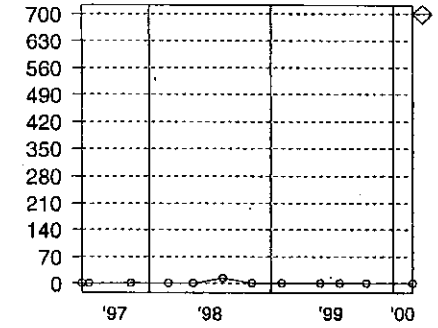
FORT MONMOUTH

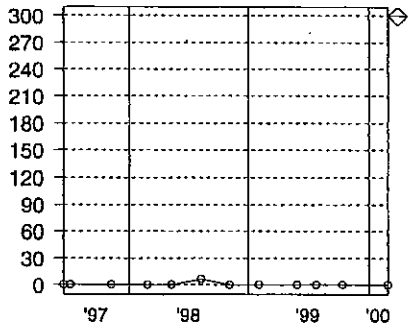
GW MONITORING
Bldg. M-14

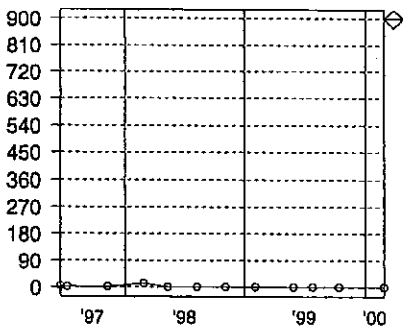
Well 2 of 5

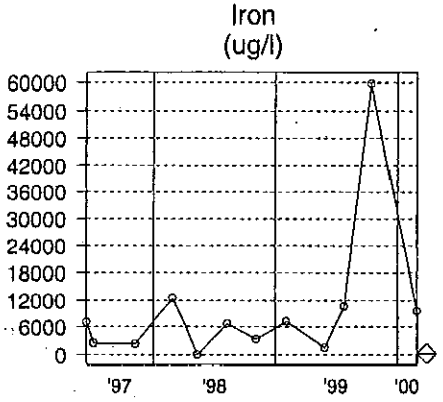
*Ag in blank > GW Criteria for 6/97 & 7/97.

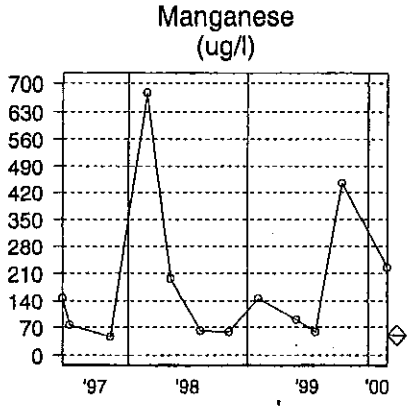
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

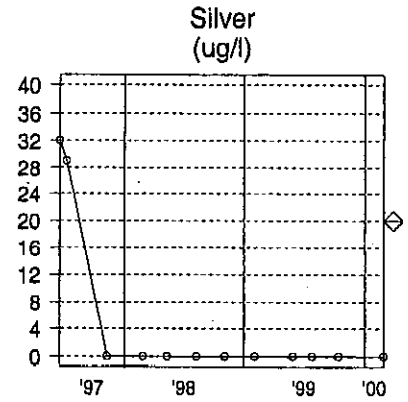


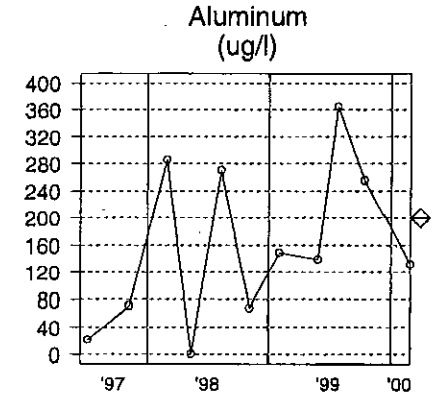


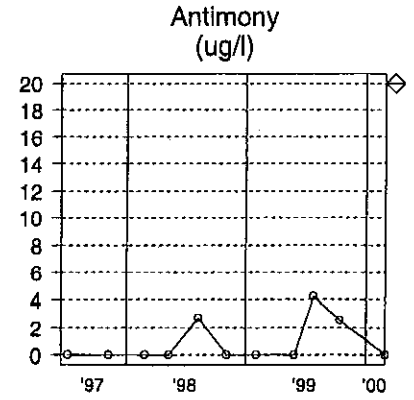


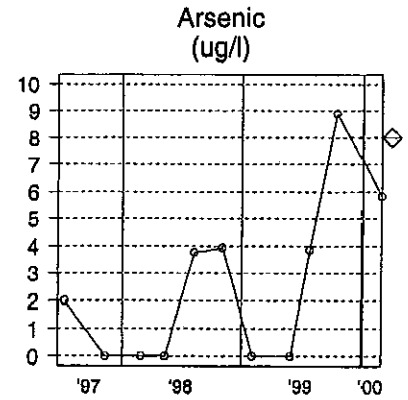












SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 02/24/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 5, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-06-2000 x:\mtech46\m\m-14\gw\m-14.wsf

	Laboratory	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	2000	NLE	NLE	100	NLE	50000	5000	-		-
06/12/1997	FMETL	-	-	-	-	-	-	-	6.25		V,S,P,M
07/03/1997	FMETL	14.6	24700	2350	ND	5290	6000	24	6.60		V,S,P,M
11/07/1997	FMETL	14	34440	2420	ND	5080	5860	45	6.50		V,S,P,M
02/23/1998	FMETL	60.4	104400	8500	24	9500	14860	108	5.80		V,S,P,M
05/07/1998	FMETL	25.5	63960	4130	8.4	10450	10630	12	5.85		V,S,P,M
08/06/1998	FMETL	30.6	37300	2980	ND	7570	6400	42.1	6.94		V,S,P,M
11/03/1998	FMETL	17.7	41300	2730	2.59	6110	5760	17.4	7.40		V,S,P,M
01/29/1999	FMETL	22.5	49400	2350	14.6	5550	7180	133	6.20		V,S,P,M
05/25/1999	FMETL	43	45700	5560	4.32	7770	14000	2.3	6.78		V,S,P,M
07/23/1999	FMETL	42.1	35500	3180	1.12	5710	6190	23.7	7.23		V,S,P,M
10/14/1999	FMETL	61.3	89100	6690	49.1	8210	9990	323	6.82		V,S,P,M
02/24/2000	FMETL	35.9	61600	4600	8.52	7220	9380	45.1	6.71		V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 02/24/2000

NOTES:

Page 2 of 2.

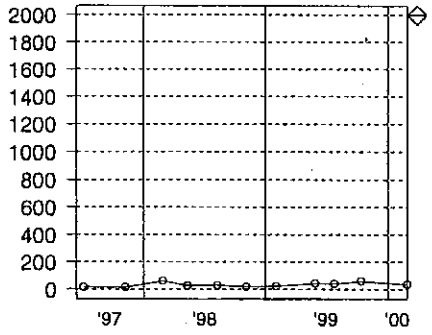
FORT MONMOUTH

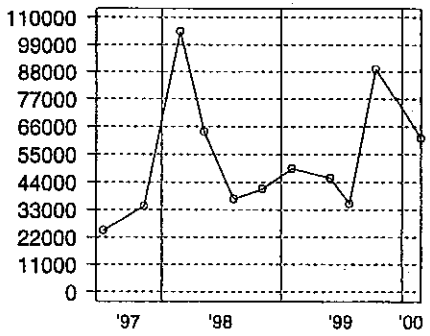
GW MONITORING
Bldg. M-14

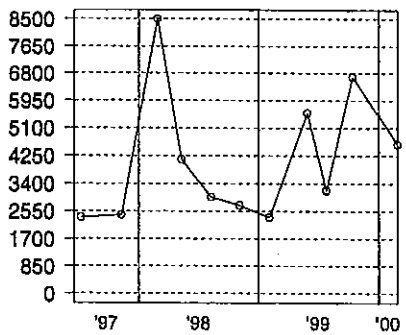
Well 2 of 5

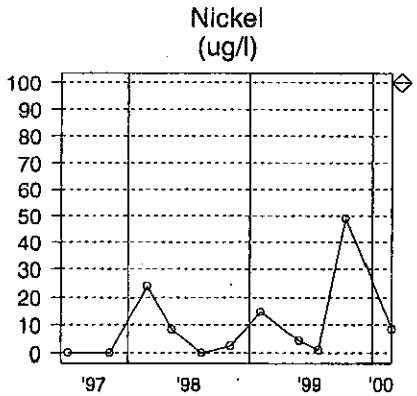
*Ag in blank > GW Criteria for 6/97 & 7/97.

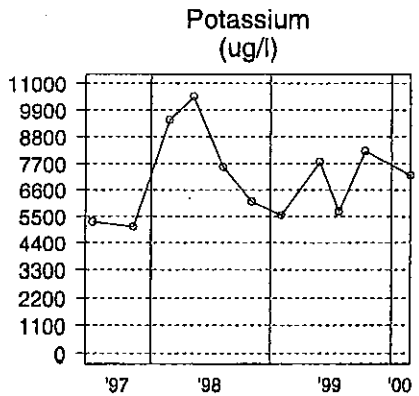
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

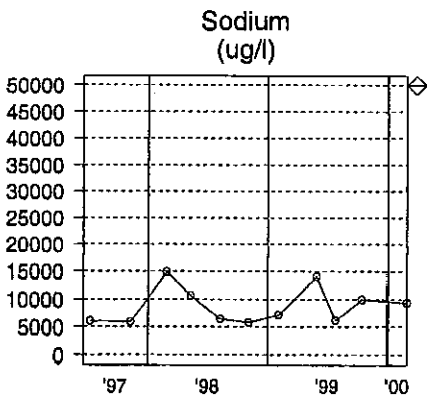


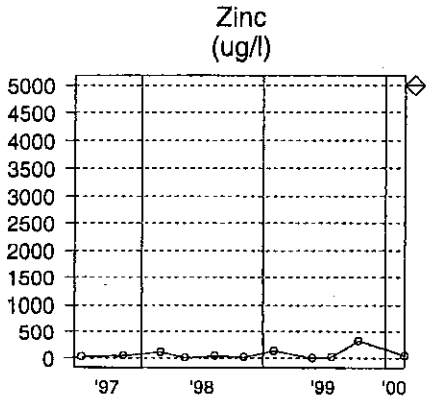


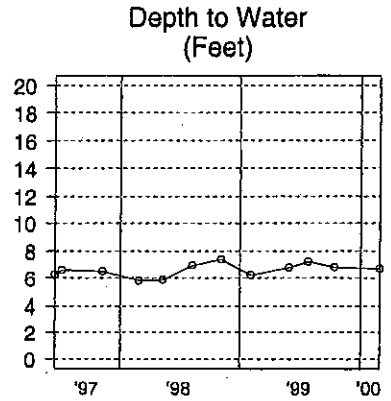












SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 02/24/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 5, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-06-2000 x:\mtech46\m\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	900	300	50	20	200	20	8	-
06/12/1997	FMETL	ND	ND	3.66	1470	64	83	-	-	-	V,S,P,M
07/03/1997	FMETL	ND	ND	3.87	940	84	56	26.8	ND	ND	V,S,P,M
11/07/1997	FMETL	ND	ND	1.46	690	58	ND	95	ND	ND	V,S,P,M
02/23/1998	FMETL	ND	ND	ND	5440	85	ND	93	ND	ND	V,S.P.M
05/07/1998	FMETL	ND	ND	ND	1009	54.6	ND	ND	3.4	ND	V,S,P,M
08/06/1998	FMETL	11.41	5.22	ND	3820	91.9	ND	1190	3.8	ND	V,S,P,M
11/03/1998	FMETL	6.57	ND	ND	831	117	ND	93	ND	ND	V,S,P,M
01/29/1999	FMETL	ND	ND	ND	975	67.4	ND	ND	ND	ND	V,S,P,M
05/25/1999	FMETL	ND	ND	ND	29100	231	ND	538	5.05	5.38	V,S,P,M
07/23/1999	FMETL	ND	ND	ND	650	110	ND	64.7	ND	ND	V,S,P,M
10/14/1999	FMETL	ND	ND	ND	1050	77.2	9.16	99.9	2.32	ND	V,S,P,M
02/24/2000	FMETL	ND	ND	ND	871	69.8	ND	ND	ND	ND	V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 02/24/2000

NOTES:

Page 1 of 2.

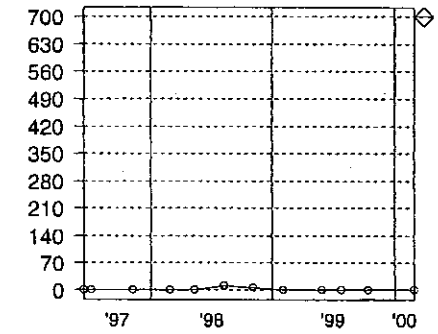
FORT MONMOUTH

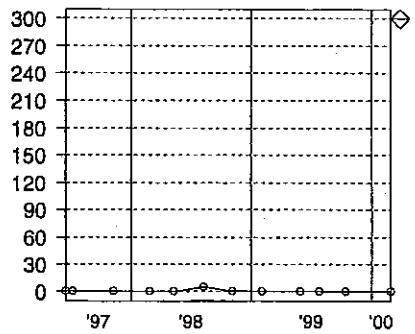
GW MONITORING
Bldg. M-14

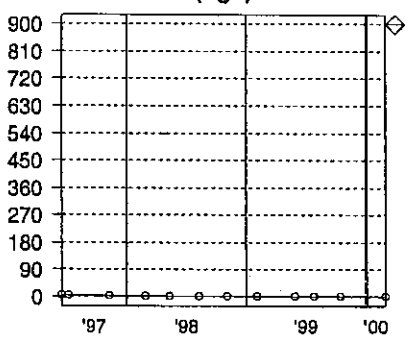
Well 3 of 5

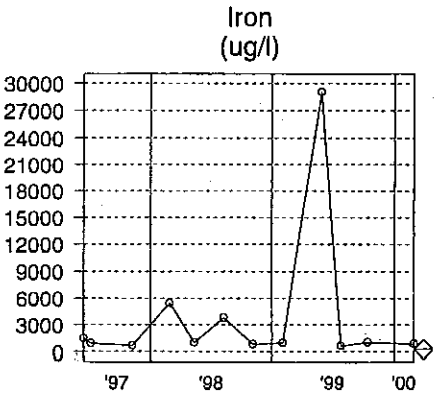
*Ag in blank > GW Criteria for 6/97 & 7/97.

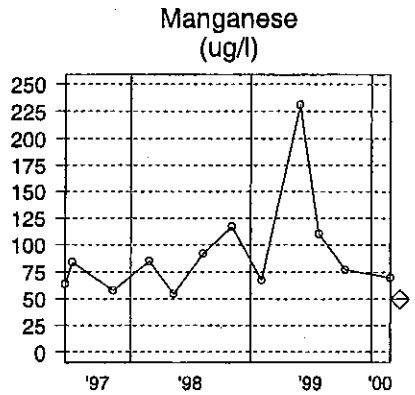
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

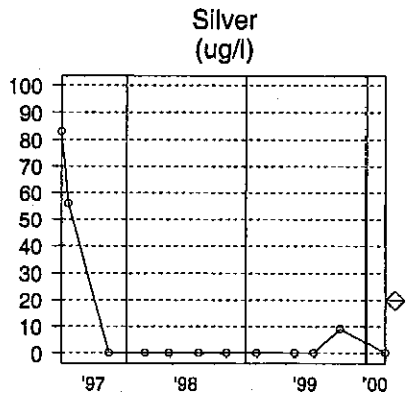


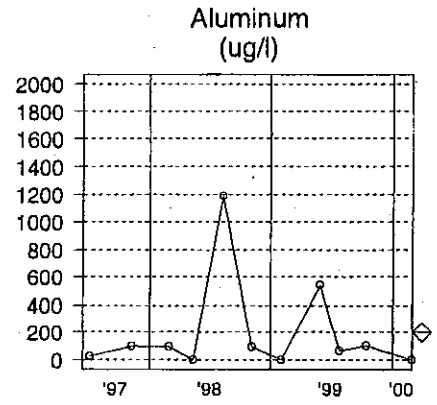


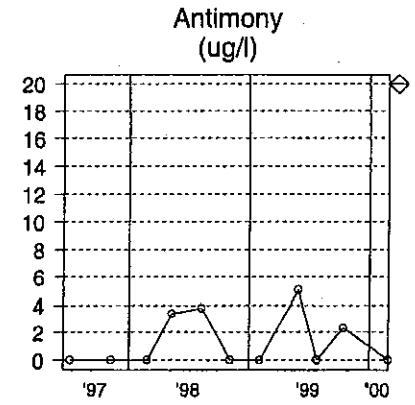


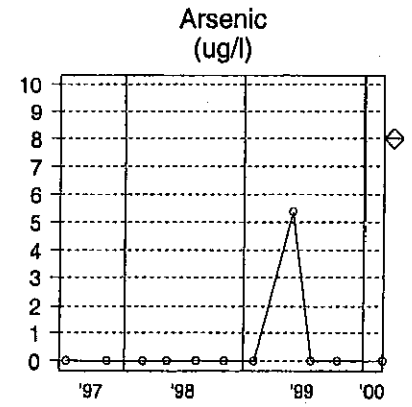












SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 02/24/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 5, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-06-2000 x:\mtech46\rm\m-14\gw\m-14.wst

	Laboratory	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	2000	NLE	NLE	100	NLE	50000	5000	-		-
06/12/1997	FMETL	-	-	-	-	-	-	-	7.11		V,S,P,M
07/03/1997	FMETL	25.1	29690	4310	ND	6360	6770	26	6.85		V,S,P,M
11/07/1997	FMETL	23.6	34450	4140	5.9	6520	10300	236	7.10		V,S,P,M
02/23/1998	FMETL	97.1	48840	6670	3.8	9230	25370	20	6.10		V,S.P.M
05/07/1998	FMETL	33.1	45440	6389	1.5	10820	11820	ND	6.22		V,S,P,M
08/06/1998	FMETL	43	44200	5090	1.29	12600	7930	47.5	6.83		V,S,P,M
11/03/1998	FMETL	73.4	86800	9390	2.19	11300	38800	ND	6.72		V,S,P,M
01/29/1999	FMETL	26.1	32300	3610	1.17	6240	12300	12	6.27		V,S,P,M
05/25/1999	FMETL	65.2	60700	3870	5.99	7950	9230	27.1	6.58		V,S,P,M
07/23/1999	FMETL	87.9	79100	8940	ND	11200	47000	15.5	7.41		V,S,P,M
10/14/1999	FMETL	28.0	39900	4490	1.14	6580	12000	8.15	7.70		V,S,P,M
02/24/2000	FMETL	18.4	30700	3620	ND	5870	6760	7.62	7.53		V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 02/24/2000

NOTES:

Page 2 of 2.

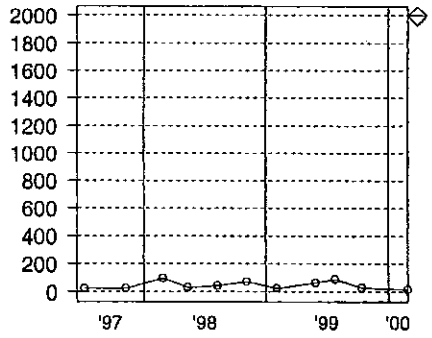
FORT MONMOUTH

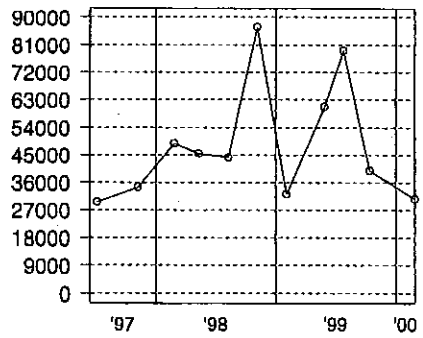
GW MONITORING
Bldg. M-14

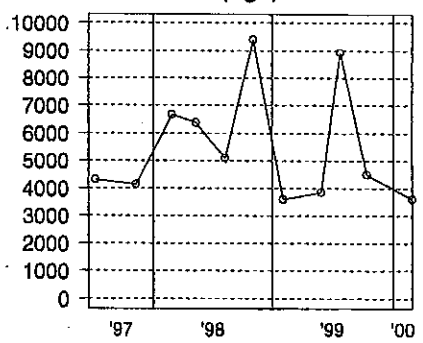
Well 3 of 5

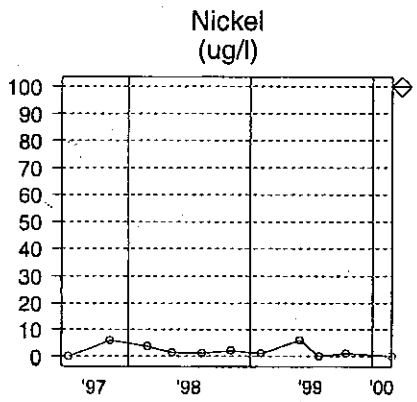
*Ag in blank > GW Criteria for 6/97 & 7/97.

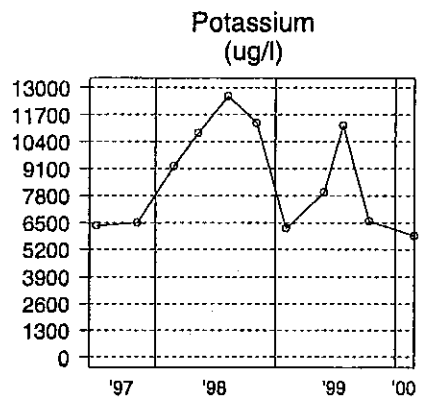
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

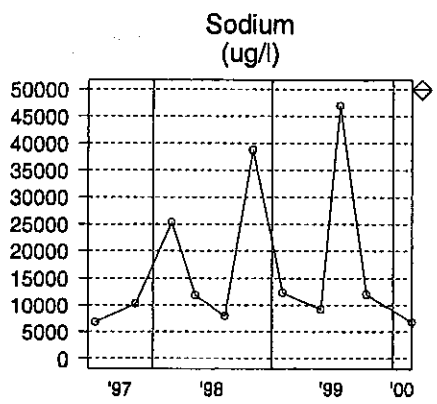


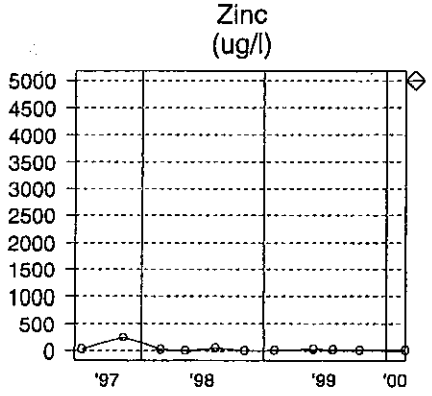


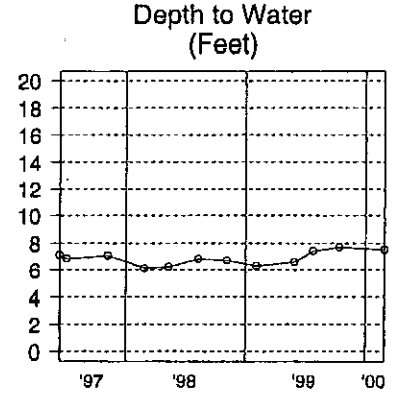












SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 02/24/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 5, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-06-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Chloro benzene	Iron	Manganese	Aluminum	Barium	Calcium	Magnesium	Nickel	Potassium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	4	300	50	200	2000	NLE	NLE	100	NLE	-
02/24/2000	FMETL	2.61	21400	422	93.4	119	71200	6590	7.19	6180	V,S,P,M

SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 02/24/2000

NOTES:

Page 1 of 2.

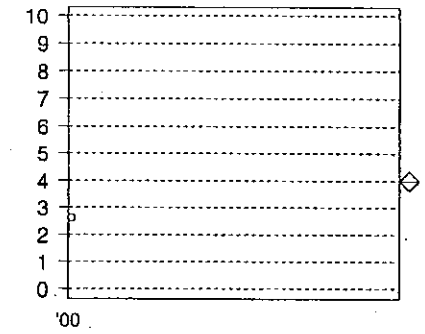
FORT MONMOUTH

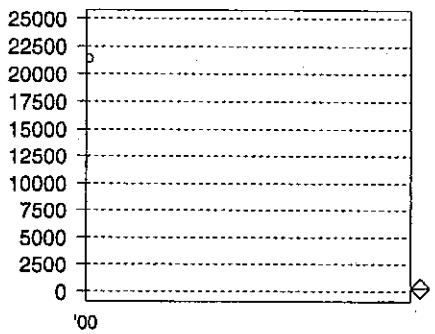
GW MONITORING
Bldg. M-14

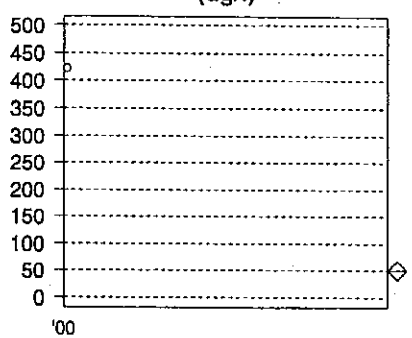
Well 4 of 5

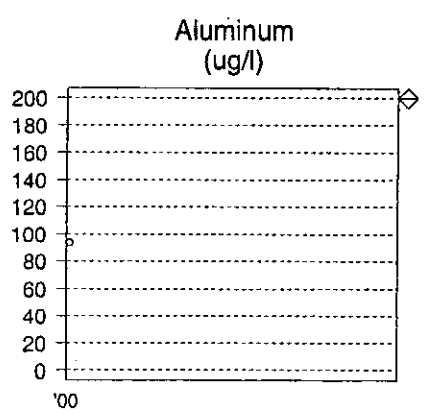
*Ag in blank > GW Criteria for 6/97 & 7/97.

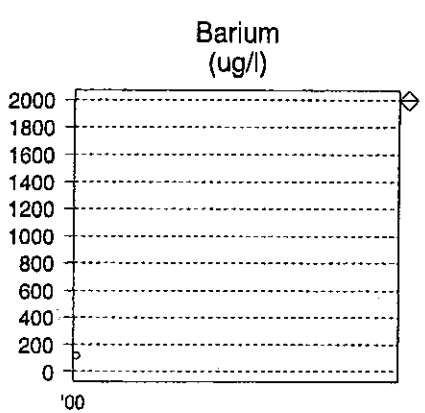
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

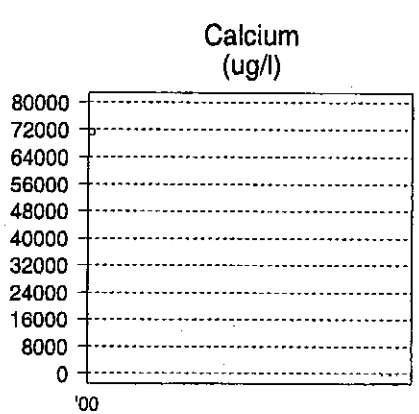


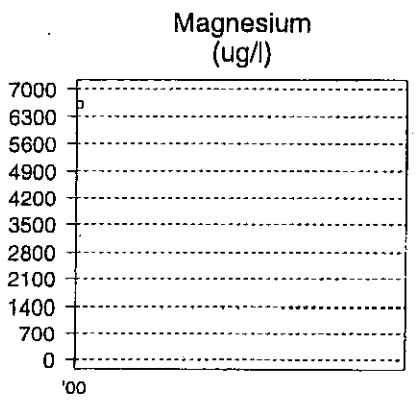


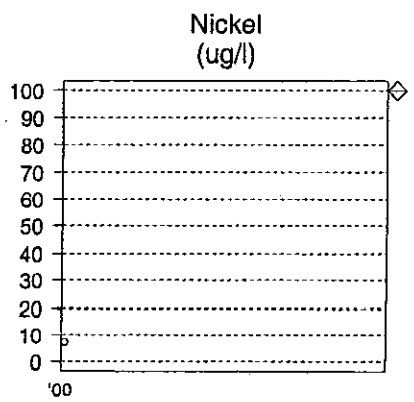


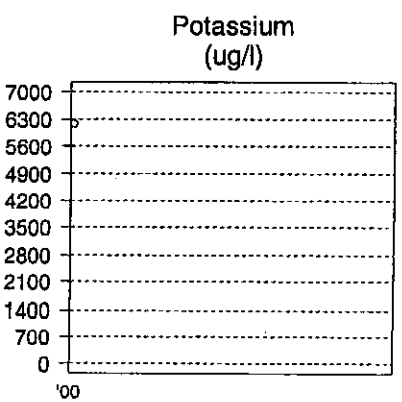












SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 02/24/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 4 of 5, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-06-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Sodium	Zinc	Depth to Water							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	50000	5000	-							-
02/24/2000	FMETL	10500	146	6.99							V,S,P,M

SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 02/24/2000

NOTES:

Page 2 of 2.

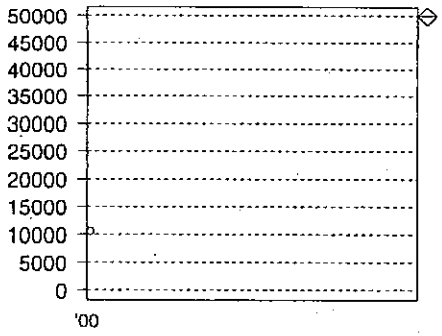
FORT MONMOUTH

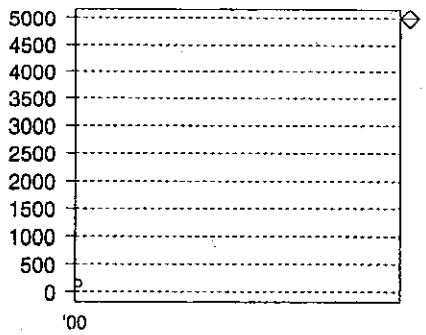
GW MONITORING
Bldg. M-14

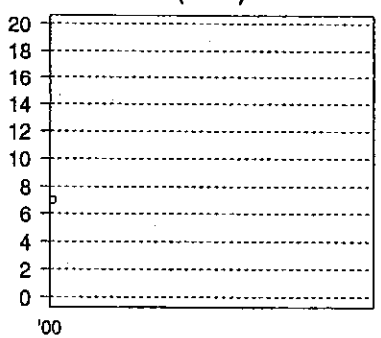
Well 4 of 5

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 02/24/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 4 of 5, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-06-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Iron	Manganese	Aluminum	Antimony	Arsenic	Barium	Calcium	Magnesium	Nickel	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	300	50	200	20	8	2000	NLE	NLE	100	-
02/24/2000	FMETL	20000	395	251	69.7	3.17	76.3	57200	25500	15800	V,S,P,M

SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 02/24/2000

NOTES:

Page 1 of 2.

FORT MONMOUTH

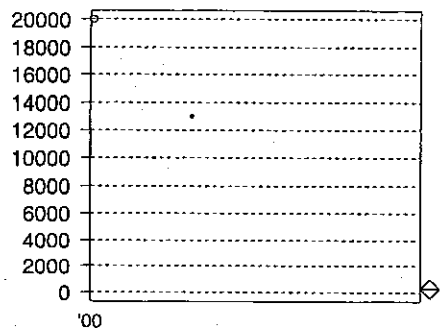
GW MONITORING
Bldg. M-14

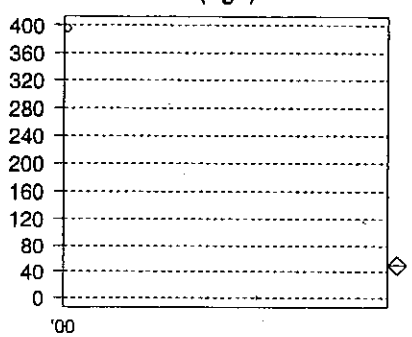
Well 5 of 5

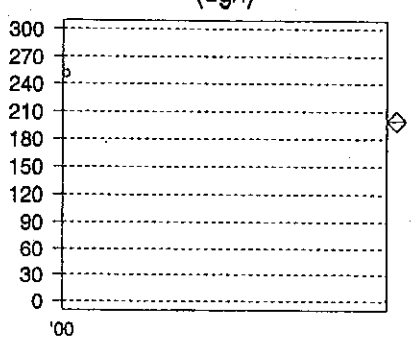
*Ag in blank > GW Criteria for 6/97 & 7/97.

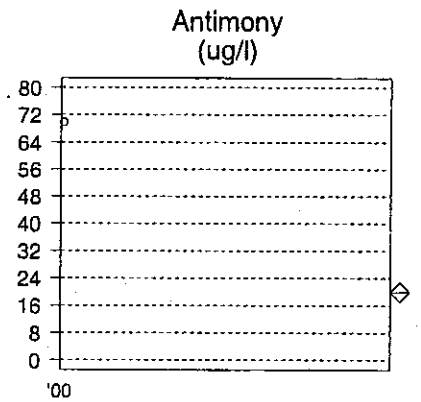
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

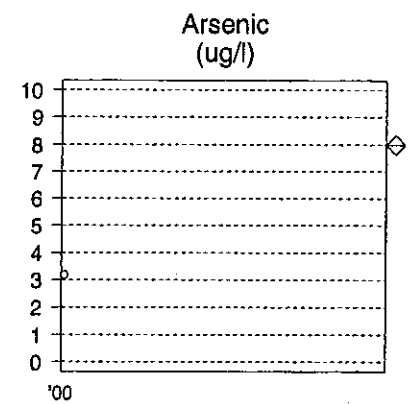
04-06-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

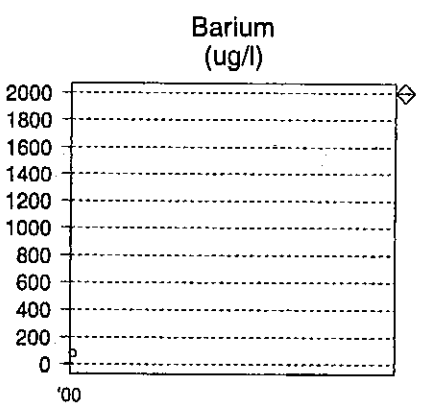


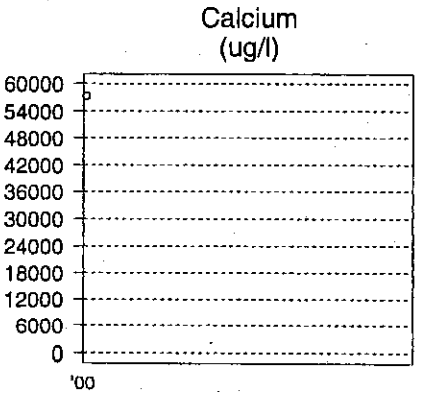


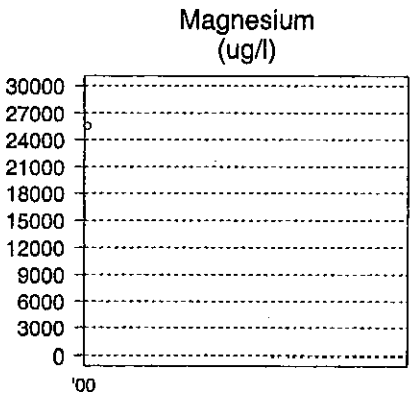


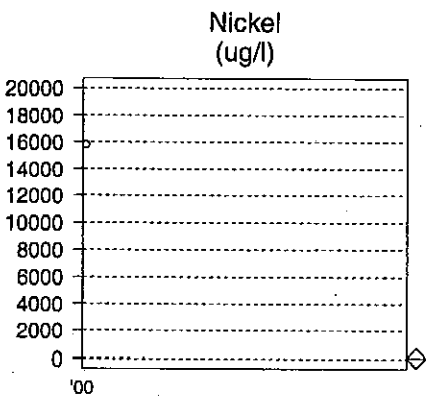












SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 02/24/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 5 of 5, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-06-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Potassium	Sodium	Zinc	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	NLE	50000	5000	-						-
02/24/2000	FMETL	7810	30800	413	7.40						V,S,P,M

SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 02/24/2000

NOTES:

Page 2 of 2.

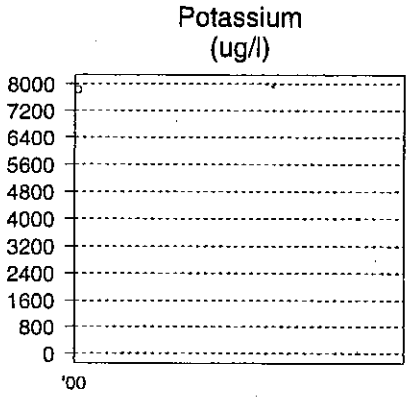
FORT MONMOUTH

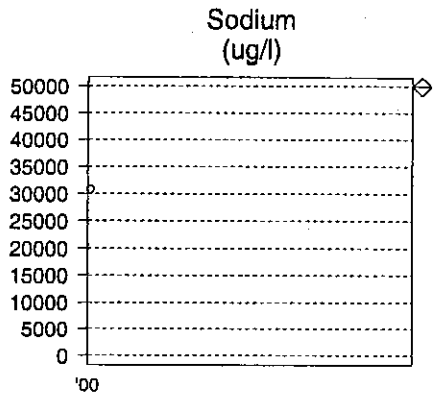
GW MONITORING
Bldg. M-14

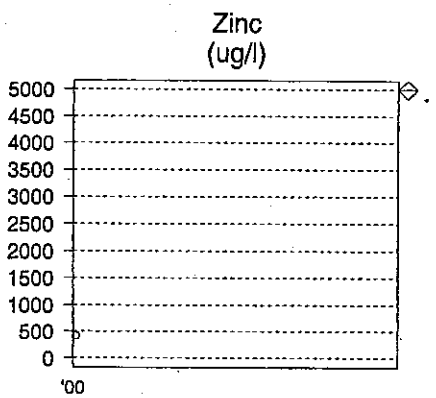
Well 5 of 5

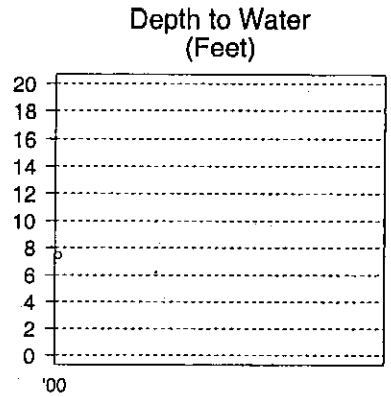
*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV









SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 02/24/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 5 of 5, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-06-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
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-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5418.04	0M14MW19	29-32579	05/16/00
5418.05	0M14MW20	29-32580	05/16/00
5418.06	0M14MW21	29-32581	05/16/00
5418.07	0M14MW22	29-41787	05/16/00
5418.08	0M14MW23	29-41786	05/16/00
5418.09	0M14MW24	29-41788	05/16/00

NJDEP Laboratory Certification # 13461

7-17-00
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

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 #: X2623
(✓)DERA ( )OMA ( )Other:_____
Project No:
Location: M14 wells 2nd Qtr '00
Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA's	TAL metals	Pest / PCB	BNA's				Hw Prsrvd	Remarks / Preservation Method
5418 .01	Trip	5/16/00	0740	AQ	2	✓							—	
.02	Field Blank		1030		5	✓	✓	✓	✓				—	
.03	Dupe	—	—		5	✓	✓	✓	✓				—	
.04	OM14 MW19		1322 ~~1038~~ COM		5	✓	✓	✓	✓				0.0	29 - 32579
.05	OM14 MW20		1318		9	✓	✓	✓	✓				0.0	29 - 32580
.06	OM14 MW21		1040			✓	✓	✓	✓				0.0	29 - 32581
.07	OM14 MW22		1044			✓	✓	✓	✓				0.0	29 - 41787
.08	OM14 MW23 *		1047			✓	✓	✓	✓				0.0	29 - 41786
.09	OM14 MW24	↓	1036	↓		✓	✓	✓	✓				0.0	29-41788

Comments: HCl / HNO_3 / 4°C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	5/16/00 1415				
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: 1st Rnd for M14 MW24. COM
Tide: H
MS/MSDS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW19
NJDEP ID #: 29-32579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/16/00
WEATHER: Sunny, warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.68 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.88 ft
DEPTH OF WELL: 17.50 ft
DEPTH TO TOP OF SCREEN: 5.00 ft
HEIGHT OF WATER: 10.62 ft
(10.62) X .65 X 3 = 20.70
GALLONS OF H2O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:50
pH 6.97 su
DISSOLVED O2 5.97 ppm
TEMP 12.9 °C
SPECIFIC CONDUCTIVITY 98 us/cm

PURGE END TIME: 13:21
pH 6.94 su
DISSOLVED O2 5.97 ppm
TEMP 12.3 °C
SPECIFIC CONDUCTIVITY 96 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.96 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 13:22
pH 6.93 su
DISSOLVED O2 4.84 ppm
TEMP 12.4 °C
SPECIFIC CONDUCTIVITY 95 us/cm

SAMPLE END TIME: 13:27

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW20
NJDEP ID #: 29-32580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02/24/00
WEATHER: Sunny, warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.29 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.60 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: 4.50 ft
HEIGHT OF WATER: 10.30 ft
(10.30) X .65 X 3 = 20.08
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:50
pH 6.97 su
TEMP 12.8 °C
DISSOLVED O2 5.97 ppm
SPECIFIC CONDUCTIVITY 103 us/cm

PURGE END TIME: 13:17
pH 6.93 su
TEMP 12.4 °C
DISSOLVED O2 4.91 ppm
SPECIFIC CONDUCTIVITY 102 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.98 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 13:18
pH 6.92 su
TEMP 12.3 °C
DISSOLVED O2 4.87 ppm
SPECIFIC CONDUCTIVITY 102 us/cm

SAMPLE END TIME: 13:22

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW21
NJDEP ID #: 29-32581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/16/00
WEATHER: Sunny, warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.57 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.88 ft
DEPTH OF WELL: 19.30 ft
DEPTH TO TOP OF SCREEN: 6.00 ft
HEIGHT OF WATER: 12.42 ft
(12.42) X .65 X 3 = 24.21
GALLONS OF H2O TO BE PURGED: 24 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:55
pH 6.92 su — TEMP 12.8 °C
DISSOLVED O2 5.97 ppm — SPECIFIC CONDUCTIVITY 97 us/cm

PURGE END TIME: 10:39
pH 6.90 su — TEMP 12.4 °C
DISSOLVED O2 4.57 ppm — SPECIFIC CONDUCTIVITY 94 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.55 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 24 gal

SAMPLE START TIME: 10:46
pH 6.87 su — TEMP 12.4 °C
DISSOLVED O2 4.54 ppm — SPECIFIC CONDUCTIVITY 93 us/cm

SAMPLE END TIME: 10:43

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW22
NJDEP ID #: 29-41787
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/16/00
WEATHER: Sunny, warm.
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: 20.26 ft
DEPTH TO TOP OF SCREEN: 3.00 ft
HEIGHT OF WATER: 13.46 ft
(13.46) X .65 X 3 = 26.24
GALLONS OF H2O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:50
pH 6.93 su
TEMP 12.9 °C
DISSOLVED O2 5.91 ppm
SPECIFIC CONDUCTIVITY 77 us/cm

PURGE END TIME: 10:43
pH 6.87 su
TEMP 12.5 °C
DISSOLVED O2 4.11 ppm
SPECIFIC CONDUCTIVITY 71 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.01 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 10:44
pH 6.86 su
TEMP 12.4 °C
DISSOLVED O2 4.07 ppm
SPECIFIC CONDUCTIVITY 72 us/cm

SAMPLE END TIME: 10:47

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW23
NJDEP ID #: 29-41786
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/16/00
WEATHER: Sunny, warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.83 ft
DEPTH OF WELL: 21.10 ft
DEPTH TO TOP OF SCREEN: 3.00 ft
HEIGHT OF WATER: 14.27 ft
(14.27) X .65 X 3 = 27.82
GALLONS OF H2O TO BE PURGED: 28 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:45
pH 6.97 su — TEMP 12.8 °C
DISSOLVED O2 6.04 ppm — SPECIFIC CONDUCTIVITY 77 us/cm

PURGE END TIME: 10:46
pH 6.92 su — TEMP 12.3 °C
DISSOLVED O2 5.21 ppm — SPECIFIC CONDUCTIVITY 72 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.41 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 28 gal

SAMPLE START TIME: 10:47
pH 6.92 su — TEMP 12.4 °C
DISSOLVED O2 5.17 ppm — SPECIFIC CONDUCTIVITY 71 us/cm.

SAMPLE END TIME: 10:53

COMMENTS: Dupe here

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW24
NJDEP ID #: 29-41788
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/16/00
WEATHER: Sunny, warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.61 ft
DEPTH OF WELL: 18.85 ft
DEPTH TO TOP OF SCREEN: 3.00 ft
HEIGHT OF WATER: 11.24 ft
(11.24) X .65 X 3 = 21.91
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:00
pH 6.97 su
DISSOLVED O2 6.11 ppm
TEMP 12.7 °C
SPECIFIC CONDUCTIVITY 76 us/cm

PURGE END TIME: 10:35
pH 6.93 su
DISSOLVED O2 5.37 ppm
TEMP 12.1 °C
SPECIFIC CONDUCTIVITY 74 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.81 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 10:36
pH 6.92 su
DISSOLVED O2 5.35 ppm
TEMP 12.2 °C
SPECIFIC CONDUCTIVITY 73 us/cm

SAMPLE END TIME: 10:39

COMMENTS:

VOLATILES

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

MDL	: Method Detection Limit
J	: Compound Identified Below Detection Limit
B	: Compound is in Both Sample and Blank
D	: Results are from a Dilution of the Sample
U	: Compound Searched for but not Detected
E	: Compound Exceeds Calibration Limit

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

Data File	VB006952.D	Sample Name	Vblk212
Operator	Skelton	Field ID	Vblk212
Date Acquired	24 May 2000 1:29 pm	Sample Multiplier	10

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	18.50 ug/L	
107131	Acrylonitrile			not detected	50	27.80 ug/L	
75650	tert-Butyl alcohol			not detected	nle	85.20 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	1.60 ug/L	
108203	Di-isopropyl ether			not detected	nle	2.50 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	16.80 ug/L	
74-87-3	Chloromethane			not detected	30	11.60 ug/L	
75-01-4	Vinyl Chloride			not detected	5	10.60 ug/L	
74-83-9	Bromomethane			not detected	10	11.00 ug/L	
75-00-3	Chloroethane			not detected	nle	10.10 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	5.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	2.40 ug/L	
67-64-1	Acetone			not detected	700	13.60 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	4.60 ug/L	
75-09-2	Methylene Chloride			not detected	2	2.40 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.60 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	1.20 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	7.80 ug/L	
78-93-3	2-Butanone			not detected	300	6.20 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	1.70 ug/L	
67-66-3	Chloroform			not detected	6	3.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	2.30 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	4.70 ug/L	
71-43-2	Benzene			not detected	1	2.30 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.80 ug/L	
79-01-6	Trichloroethene			not detected	1	2.30 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	4.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	5.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	6.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	6.90 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	5.90 ug/L	
108-88-3	Toluene			not detected	1000	3.70 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	8.70 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	4.80 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	
591-78-6	2-Hexanone			not detected	nle	7.10 ug/L	
126-48-1	Dibromochloromethane			not detected	10	8.60 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.90 ug/L	
100-41-4	Ethylbenzene			not detected	700	6.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	11.40 ug/L	
1330-20-7	o-Xylene			not detected	nle	6.20 ug/L	
100-42-5	Styrene			not detected	100	5.60 ug/L	
75-25-2	Bromoform			not detected	4	7.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	4.70 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	5.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	5.70 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	6.40 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

6/2/00 4:06 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Vblk212**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5418 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk212

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006952.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: not dec. Date Analyzed: 5/24/00

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	**VB006953.D**	Sample Name	**5418.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**24 May 2000 2:37 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	
156-59-4	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-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

6/2/00 4:06 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5418 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5418.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006953.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: not dec. Date Analyzed: 5/24/00

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	VB006954.D	Sample Name	5418.02
Operator	Skelton	Field ID	Field Blank
Date Acquired	24 May 2000 3:17 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	
156-59-4	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-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

6/2/00 4:06 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL. Project: LTM

NJDEP#: 13461 Case No.: 5418 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5418.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006954.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: not dec. Date Analyzed: 5/24/00

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	VB006955.D	Sample Name	5418.03
Operator	Skelton	Field ID	Dupe
Date Acquired	24 May 2000 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	
156-59-4	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-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

6/2/00 4:06 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Dupe**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5418 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5418.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006955.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: not dec. Date Analyzed: 5/24/00

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	VB006956.D	Sample Name	5418.04
Operator	Skelton	Field ID	0M14MW19
Date Acquired	24 May 2000 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	
156-59-4	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-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

6/2/00 4:06 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0M14MW19**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5418 Location: M14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5418.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006956.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: not dec. _____ Date Analyzed: 5/24/00

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	VB006957.D	Sample Name	5418.05
Operator	Skelton	Field ID	0M14MW20
Date Acquired	24 May 2000 5:16 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	
156-59-4	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-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

6/2/00 4:06 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0M14MW20**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5418 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5418.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006957.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: not dec. Date Analyzed: 5/24/00

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	**VB006958.D**	Sample Name	**5418.06**
Operator	**Skelton**	Field ID	**0M14MW21**
Date Acquired	**24 May 2000 5:56 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	
156-59-4	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-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

6/2/00 4:06 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0M14MW21**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5418 Location: M14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5418.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006958.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: not dec. _____ Date Analyzed: 5/24/00

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	**VB006959.D**	Sample Name	**5418.07**
Operator	**Skelton**	Field ID	**0M14MW22**
Date Acquired	**24 May 2000 6:36 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	
156-59-4	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-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

6/2/00 4:06 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0M14MW22**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5418 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5418.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006959.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: not dec. Date Analyzed: 5/24/00

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	VB006960.D	Sample Name	5418.08
Operator	Skelton	Field ID	0M14MW23
Date Acquired	24 May 2000 7:15 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	
156-59-4	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-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

6/2/00 4:06 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0M14MW23**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5418 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5418.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006960.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: not dec. Date Analyzed: 5/24/00

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	VB006961.D	Sample Name	5418.09
Operator	Skelton	Field ID	0M14MW24
Date Acquired	24 May 2000 7:55 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	9.22	477571	95.59 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	
75-34-3	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	15.49	68287	11.23 ug/L	300	0.62 ug/L	
156-59-4	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-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

6/2/00 4:06 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0M14MW24**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5418 Location: M14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5418.09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006961.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: not dec. _____ Date Analyzed: 5/24/00

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

SEMI-VOLATILES

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04355.D**	Sample Name	**Sblk372**
Operator	**Bhaskar**	Misc Info	**Sblk372 A 000519**
Date Acquired	**24-May-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04355.D**	Sample Name	**Sblk372**
Operator	**Bhaskar**	Misc Info	**Sblk372 A 000519**
Date Acquired	**24-May-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **Sblk372**

Lab Name: FMETL Lab Code 13461

Project: 100004 Case No.: 5418 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: Sblk372

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04355.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: decanted: (Y/N) N Date Extracted: 5/19/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/24/00

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	**BN04357.D**	Sample Name	**5418.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**24-May-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04357.D**	Sample Name	**5418.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**24-May-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: 100004 Case No.: 5418 Location: M14 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 5418.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04357.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 5/19/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/24/00

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	**BN04358.D**	Sample Name	**5418.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**24-May-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04358.D**	Sample Name	**5418.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**24-May-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: 100004 Case No.: 5418 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5418.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04358.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: decanted: (Y/N) N Date Extracted: 5/19/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/24/00

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	6.25	8	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04359.D**	Sample Name	**5418.04**
Operator	**Bhaskar**	Misc Info	**0M14MW19**
Date Acquired	**24-May-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04359.D**	Sample Name	**5418.04**
Operator	**Bhaskar**	Misc Info	**0M14MW19**
Date Acquired	**24-May-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW19**

Lab Name: FMETL Lab Code 13461

Project: 100004 Case No.: 5418 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5418.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04359.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: decanted: (Y/N) N Date Extracted: 5/19/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/24/00

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	6.25	8	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04360.D**	Sample Name	**5418.05**
Operator	**Bhaskar**	Misc Info	**0M14MW20**
Date Acquired	**24-May-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04360.D**	Sample Name	**5418.05**
Operator	**Bhaskar**	Misc Info	**0M14MW20**
Date Acquired	**24-May-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW20**

Lab Name: FMETL Lab Code 13461

Project: 100004 Case No.: 5418 Location: M14 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 5418.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04360.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 5/19/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/24/00

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. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.25	7	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04363.D**	Sample Name	**5418.06**
Operator	**Bhaskar**	Misc Info	**0M14MW21**
Date Acquired	**24-May-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04363.D**	Sample Name	**5418.06**
Operator	**Bhaskar**	Misc Info	**0M14MW21**
Date Acquired	**24-May-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW21**

Lab Name: FMETL Lab Code 13461

Project: 100004 Case No.: 5418 Location: M14 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 5418.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04363.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 5/19/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/24/00

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	6.24	10	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN04364.D	Sample Name	5418.07
Operator	Bhaskar	Misc Info	0M14MW22
Date Acquired	24-May-00	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04364.D**	Sample Name	**5418.07**
Operator	**Bhaskar**	Misc Info	**0M14MW22**
Date Acquired	**24-May-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW22**

Lab Name: FMETL Lab Code 13461

Project: 100004 Case No.: 5418 Location: M14 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 5418.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04364.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 5/19/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/24/00

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	6.25	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04365.D**	Sample Name	**5418.08**
Operator	**Bhaskar**	Misc Info	**0M14MW23**
Date Acquired	**24-May-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol			not detected	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	BN04365.D	Sample Name	5418.08
Operator	Bhaskar	Misc Info	0M14MW23
Date Acquired	24-May-00	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW23**

Lab Name: FMETL Lab Code 13461

Project: 100004 Case No.: 5418 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5418.08

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04365.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: decanted: (Y/N) N Date Extracted: 5/19/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/24/00

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	6.25	9	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04366.D**	Sample Name	**5418.09**
Operator	**Bhaskar**	Misc Info	**0M14MW24**
Date Acquired	**24-May-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.83	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.91	ug/L	
62-53-3	Aniline			not detected	NLE	1.63	ug/L	
108-95-2	Phenol	8.96	819686	22.55 ug/L	4000	0.82	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.28	ug/L	
95-57-8	2-Chlorophenol			not detected	40	2.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.21	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.19	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.02	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.13	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.17	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.39	ug/L	
106-44-5	4-Methylphenol	10.92	69557	2.59 ug/L	NLE	0.35	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.80	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.50	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.97	ug/L	
78-59-1	Isophorone			not detected	100	1.01	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.92	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.62	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.21	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.33	ug/L	
65-85-0	Benzoic Acid	13.07	361785	19.46 ug/L	NLE	1.75	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.22	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.27	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.09	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.71	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.39	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.08	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.78	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.28	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.01	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.52	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.96	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.81	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.79	ug/L	
83-32-9	Acenaphthene			not detected	400	1.10	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.44	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.06	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04366.D**	Sample Name	**5418.09**
Operator	**Bhaskar**	Misc Info	**0M14MW24**
Date Acquired	**24-May-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene	22.87	76260	1.32 ug/L	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	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: **0M14MW24**

Lab Name: FMETL Lab Code 13461

Project: 100004 Case No.: 5418 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5418.09

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04366.D

Level: (low/med) LOW Date Received: 5/16/00

% Moisture: decanted: (Y/N) N Date Extracted: 5/19/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/24/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.26	35	J
2.	unknown	6.56	7	J
3. 000103-82-2	Benzeneacetic acid	15.08	80	JN
4. 000120-72-9	Indole	15.88	8	JN
5. 000501-52-0	Benzenepropanoic acid	16.50	5	JN
6. 000629-62-9	Pentadecane	18.88	5	JN
7.	unknown	22.13	4	J
8. 000057-10-3	Hexadecanoic acid	24.28	8	JN
9. 000057-11-4	Octadecanoic acid	26.25	9	JN

PESTICIDE/PCB

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

Client :	U.S. Army	**Lab. ID # :**	PBLK524
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	5/18/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/22/00
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0007	ND
beta-BHC	1		0.20	0.0014	ND
gamma-BHC	1		0.20	0.0012	ND
delta-BHC	1		NLE	0.0021	ND
Heptachlor	1		0.40	0.0016	ND
Aldrin	1		0.04	0.0014	ND
Heptachlor Epoxide	1		0.20	0.0008	ND
Endosulfan I	1		0.40	0.0014	ND
4,4'-DDE	1		0.10	0.0014	ND
Dieldrin	1		0.03	0.0011	ND
Endrin	1		2.00	0.0012	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0006	ND
4,4'-DDD	1		0.10	0.0012	ND
4,4'-DDT	1		0.10	0.0019	ND
Endosulfan-Sulfate	1		0.40	0.0018	ND
Methoxychlor	1		40.00	0.0022	ND
Alpha-chlordane	1		0.50	0.0007	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5418.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/16/00
	Bldg. 173	**Extraction Date:**	5/18/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/22/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0007	ND
beta-BHC	1		0.20	0.0014	ND
gamma-BHC	1		0.20	0.0012	ND
delta-BHC	1		NLE	0.0021	ND
Heptachlor	1		0.40	0.0016	ND
Aldrin	1		0.04	0.0014	ND
Heptachlor Epoxide	1		0.20	0.0008	ND
Endosulfan I	1		0.40	0.0014	ND
4,4'-DDE	1		0.10	0.0014	ND
Dieldrin	1		0.03	0.0011	ND
Endrin	1		2.00	0.0012	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0006	ND
4,4'-DDD	1		0.10	0.0012	ND
4,4'-DDT	1		0.10	0.0019	ND
Endosulfan-Sulfate	1		0.40	0.0018	ND
Methoxychlor	1		40.00	0.0022	ND
Alpha-chlordane	1		0.50	0.0007	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5418.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/16/00
	Bldg. 173	**Extraction Date:**	5/18/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/22/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Dupe
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0007	ND
beta-BHC	1		0.20	0.0014	ND
gamma-BHC	1		0.20	0.0012	ND
delta-BHC	1		NLE	0.0021	ND
Heptachlor	1		0.40	0.0016	ND
Aldrin	1		0.04	0.0014	ND
Heptachlor Epoxide	1		0.20	0.0008	ND
Endosulfan I	1		0.40	0.0014	ND
4,4'-DDE	1		0.10	0.0014	ND
Dieldrin	1		0.03	0.0011	ND
Endrin	1		2.00	0.0012	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0006	ND
4,4'-DDD	1		0.10	0.0012	ND
4,4'-DDT	1		0.10	0.0019	ND
Endosulfan-Sulfate	1		0.40	0.0018	ND
Methoxychlor	1		40.00	0.0022	ND
Alpha-chlordane	1		0.50	0.0007	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5418.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/16/00
	Bldg. 173	**Extraction Date:**	5/18/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/22/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0007	ND
beta-BHC	1		0.20	0.0014	ND
gamma-BHC	1		0.20	0.0012	ND
delta-BHC	1		NLE	0.0021	ND
Heptachlor	1		0.40	0.0016	ND
Aldrin	1		0.04	0.0014	ND
Heptachlor Epoxide	1		0.20	0.0008	ND
Endosulfan I	1		0.40	0.0014	ND
4,4'-DDE	1		0.10	0.0014	ND
Dieldrin	1		0.03	0.0011	ND
Endrin	1		2.00	0.0012	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0006	ND
4,4'-DDD	1		0.10	0.0012	ND
4,4'-DDT	1		0.10	0.0019	ND
Endosulfan-Sulfate	1		0.40	0.0018	ND
Methoxychlor	1		40.00	0.0022	ND
Alpha-chlordane	1		0.50	0.0007	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5418.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/16/00
	Bldg. 173	**Extraction Date:**	5/18/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/22/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0007	ND
beta-BHC	1		0.20	0.0014	ND
gamma-BHC	1		0.20	0.0012	ND
delta-BHC	1		NLE	0.0021	ND
Heptachlor	1		0.40	0.0016	ND
Aldrin	1		0.04	0.0014	ND
Heptachlor Epoxide	1		0.20	0.0008	ND
Endosulfan I	1		0.40	0.0014	ND
4,4'-DDE	1		0.10	0.0014	ND
Dieldrin	1		0.03	0.0011	ND
Endrin	1		2.00	0.0012	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0006	ND
4,4'-DDD	1		0.10	0.0012	ND
4,4'-DDT	1		0.10	0.0019	ND
Endosulfan-Sulfate	1		0.40	0.0018	ND
Methoxychlor	1		40.00	0.0022	ND
Alpha-chlordane	1		0.50	0.0007	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5418.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/16/00
	Bldg. 173	**Extraction Date:**	5/18/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/22/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0007	ND
beta-BHC	1		0.20	0.0014	ND
gamma-BHC	1		0.20	0.0012	ND
delta-BHC	1		NLE	0.0021	ND
Heptachlor	1		0.40	0.0016	ND
Aldrin	1		0.04	0.0014	ND
Heptachlor Epoxide	1		0.20	0.0008	ND
Endosulfan I	1		0.40	0.0014	ND
4,4'-DDE	1		0.10	0.0014	ND
Dieldrin	1		0.03	0.0011	ND
Endrin	1		2.00	0.0012	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0006	ND
4,4'-DDD	1		0.10	0.0012	ND
4,4'-DDT	1		0.10	0.0019	ND
Endosulfan-Sulfate	1		0.40	0.0018	ND
Methoxychlor	1		40.00	0.0022	ND
Alpha-chlordane	1		0.50	0.0007	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5418.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/16/00
	Bldg. 173	**Extraction Date:**	5/18/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/22/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW22
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0007	**ND**
beta-BHC	1		0.20	0.0014	**ND**
gamma-BHC	1		0.20	0.0012	**ND**
delta-BHC	1		NLE	0.0021	**ND**
Heptachlor	1		0.40	0.0016	**ND**
Aldrin	1		0.04	0.0014	**ND**
Heptachlor Epoxide	1		0.20	0.0008	**ND**
Endosulfan I	1		0.40	0.0014	**ND**
4,4'-DDE	1		0.10	0.0014	**ND**
Dieldrin	1		0.03	0.0011	**ND**
Endrin	1		2.00	0.0012	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0006	**ND**
4,4'-DDD	1		0.10	0.0012	**ND**
4,4'-DDT	1		0.10	0.0019	**ND**
Endosulfan-Sulfate	1		0.40	0.0018	**ND**
Methoxychlor	1		40.00	0.0022	**ND**
Alpha-chlordane	1		0.50	0.0007	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5418.08
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/16/00
	Bldg. 173	**Extraction Date:**	5/18/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/22/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW23
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0007	ND
beta-BHC	1		0.20	0.0014	ND
gamma-BHC	1		0.20	0.0012	ND
delta-BHC	1		NLE	0.0021	ND
Heptachlor	1		0.40	0.0016	ND
Aldrin	1		0.04	0.0014	ND
Heptachlor Epoxide	1		0.20	0.0008	ND
Endosulfan I	1		0.40	0.0014	ND
4,4'-DDE	1		0.10	0.0014	ND
Dieldrin	1		0.03	0.0011	ND
Endrin	1		2.00	0.0012	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0006	ND
4,4'-DDD	1		0.10	0.0012	ND
4,4'-DDT	1		0.10	0.0019	ND
Endosulfan-Sulfate	1		0.40	0.0018	ND
Methoxychlor	1		40.00	0.0022	ND
Alpha-chlordane	1		0.50	0.0007	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5418.09
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/16/00
	Bldg. 173	**Extraction Date:**	5/18/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/22/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0M14MW24
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0007	ND
beta-BHC	1		0.20	0.0014	ND
gamma-BHC	1		0.20	0.0012	ND
delta-BHC	1		NLE	0.0021	ND
Heptachlor	1		0.40	0.0016	ND
Aldrin	1		0.04	0.0014	ND
Heptachlor Epoxide	1		0.20	0.0008	ND
Endosulfan I	1		0.40	0.0014	ND
4,4'-DDE	1		0.10	0.0014	ND
Dieldrin	1		0.03	0.0011	ND
Endrin	1		2.00	0.0012	ND
Endrin Ketone	1		NLE	0.0012	ND
Endosulfan II	1		0.40	0.0006	ND
4,4'-DDD	1		0.10	0.0012	ND
4,4'-DDT	1		0.10	0.0019	ND
Endosulfan-Sulfate	1		0.40	0.0018	ND
Methoxychlor	1		40.00	0.0022	ND
Alpha-chlordane	1		0.50	0.0007	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

METALS

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

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

Lab ID #: 5418
Sample Prepared: 06/07/00

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/08/00	46.9	200	10.0
Antimony	06/08/00	3.78	20	2.0
Arsenic	06/08/00	ND	8	2.0
Barium	06/08/00	0.859	2000	0.5
Beryllium	06/08/00	ND	20	0.5
Cadmium	06/08/00	ND	4	0.5
Calcium	06/08/00	121	NLE	20.0
Chromium	06/08/00	2.05	100	0.5
Cobalt	06/08/00	ND	NLE	0.5
Copper	06/08/00	46.3	1000	3.0
Iron	06/08/00	93.3	300	10.0
Lead	06/08/00	ND	10	2.0
Magnesium	06/08/00	86.9	NLE	20.0
Manganese	06/08/00	3.89	50	0.5
Mercury	05/18/00	ND	2	0.1
Nickel	06/08/00	1.95	100	0.5
Potassium	06/08/00	32.8	NLE	20.0
Selenium	06/08/00	ND	50	3.0
Silver	06/08/00	ND	20	3.0
Sodium	06/08/00	35.5	50000	20.0
Thallium	06/08/00	ND	10	3.0
Vanadium	06/08/00	ND	NLE	1.0
Zinc	06/08/00	ND	5000	1.0

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 #: 5418.02
Sample Received: 05/16/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/08/00	ND	200	10.0
Antimony	06/08/00	ND	20	2.0
Arsenic	06/08/00	ND	8	2.0
Barium	06/08/00	ND	2000	0.5
Beryllium	06/08/00	ND	20	0.5
Cadmium	06/08/00	ND	4	0.5
Calcium	06/08/00	ND	NLE	20.0
Chromium	06/08/00	ND	100	0.5
Cobalt	06/08/00	ND	NLE	0.5
Copper	06/08/00	ND	1000	3.0
Iron	06/08/00	ND	300	10.0
Lead	06/08/00	ND	10	2.0
Magnesium	06/08/00	ND	NLE	20.0
Manganese	06/08/00	ND	50	0.5
Mercury	05/18/00	ND	2	0.1
Nickel	06/08/00	ND	100	0.5
Potassium	06/08/00	ND	NLE	20.0
Selenium	06/08/00	ND	50	3.0
Silver	06/08/00	ND	20	3.0
Sodium	06/08/00	ND	50000	20.0
Thallium	06/08/00	ND	10	3.0
Vanadium	06/08/00	ND	NLE	1.0
Zinc	06/08/00	ND	5000	1.0

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 #: 5418.03
Sample Received: 05/16/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Dupe

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/08/00	624	200	10.0
Antimony	06/08/00	ND	20	2.0
Arsenic	06/08/00	ND	8	2.0
Barium	06/08/00	0.957	2000	0.5
Beryllium	06/08/00	ND	20	0.5
Cadmium	06/08/00	5.60	4	0.5
Calcium	06/08/00	57000	NLE	20.0
Chromium	06/08/00	6.61	100	0.5
Cobalt	06/08/00	1.60	NLE	0.5
Copper	06/08/00	19.8	1000	3.0
Iron	06/08/00	6100	300	10.0
Lead	06/08/00	ND	10	2.0
Magnesium	06/08/00	3990	NLE	20.0
Manganese	06/08/00	156	50	0.5
Mercury	05/18/00	ND	2	0.1
Nickel	06/08/00	6.88	100	0.5
Potassium	06/08/00	5800	NLE	20.0
Selenium	06/08/00	ND	50	3.0
Silver	06/08/00	ND	20	3.0
Sodium	06/08/00	5530	50000	20.0
Thallium	06/08/00	ND	10	3.0
Vanadium	06/08/00	1.14	NLE	1.0
Zinc	06/08/00	703	5000	1.0

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 #: 5418.04
Sample Received: 05/16/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/08/00	64.4	200	10.0
Antimony	06/08/00	ND	20	2.0
Arsenic	06/08/00	ND	8	2.0
Barium	06/08/00	ND	2000	0.5
Beryllium	06/08/00	ND	20	0.5
Cadmium	06/08/00	ND	4	0.5
Calcium	06/08/00	16900	NLE	20.0
Chromium	06/08/00	2.48	100	0.5
Cobalt	06/08/00	ND	NLE	0.5
Copper	06/08/00	8.79	1000	3.0
Iron	06/08/00	20500	300	10.0
Lead	06/08/00	ND	10	2.0
Magnesium	06/08/00	2150	NLE	20.0
Manganese	06/08/00	79.2	50	0.5
Mercury	05/18/00	ND	2	0.1
Nickel	06/08/00	3.59	100	0.5
Potassium	06/08/00	6100	NLE	20.0
Selenium	06/08/00	ND	50	3.0
Silver	06/08/00	ND	20	3.0
Sodium	06/08/00	5040	50000	20.0
Thallium	06/08/00	ND	10	3.0
Vanadium	06/08/00	ND	NLE	1.0
Zinc	06/08/00	15.7	5000	1.0

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 #: 5418.05
Sample Received: 05/16/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/08/00	126	200	10.0
Antimony	06/08/00	3.27	20	2.0
Arsenic	06/08/00	ND	8	2.0
Barium	06/08/00	ND	2000	0.5
Beryllium	06/08/00	ND	20	0.5
Cadmium	06/08/00	0.588	4	0.5
Calcium	06/08/00	49300	NLE	20.0
Chromium	06/08/00	7.69	100	0.5
Cobalt	06/08/00	1.77	NLE	0.5
Copper	06/08/00	282	1000	3.0
Iron	06/08/00	5130	300	10.0
Lead	06/08/00	48.5	10	2.0
Magnesium	06/08/00	3000	NLE	20.0
Manganese	06/08/00	167	50	0.5
Mercury	05/18/00	ND	2	0.1
Nickel	06/08/00	28.7	100	0.5
Potassium	06/08/00	5650	NLE	20.0
Selenium	06/08/00	ND	50	3.0
Silver	06/08/00	ND	20	3.0
Sodium	06/08/00	7190	50000	20.0
Thallium	06/08/00	ND	10	3.0
Vanadium	06/08/00	1.15	NLE	1.0
Zinc	06/08/00	432	5000	1.0

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 #: 5418.06
Sample Received: 05/16/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/08/00	56.9	200	10.0
Antimony	06/08/00	ND	20	2.0
Arsenic	06/08/00	ND	8	2.0
Barium	06/08/00	ND	2000	0.5
Beryllium	06/08/00	ND	20	0.5
Cadmium	06/08/00	ND	4	0.5
Calcium	06/08/00	35000	NLE	20.0
Chromium	06/08/00	4.50	100	0.5
Cobalt	06/08/00	ND	NLE	0.5
Copper	06/08/00	62.9	1000	3.0
Iron	06/08/00	1040	300	10.0
Lead	06/08/00	5.78	10	2.0
Magnesium	06/08/00	4070	NLE	20.0
Manganese	06/08/00	83.1	50	0.5
Mercury	05/18/00	ND	2	0.1
Nickel	06/08/00	5.86	100	0.5
Potassium	06/08/00	6360	NLE	20.0
Selenium	06/08/00	ND	50	3.0
Silver	06/08/00	ND	20	3.0
Sodium	06/08/00	7840	50000	20.0
Thallium	06/08/00	ND	10	3.0
Vanadium	06/08/00	ND	NLE	1.0
Zinc	06/08/00	105	5000	1.0

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 #: 5418.07
Sample Received: 05/16/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW22

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/08/00	45.6	200	10.0
Antimony	06/08/00	ND	20	2.0
Arsenic	06/08/00	ND	8	2.0
Barium	06/08/00	ND	2000	0.5
Beryllium	06/08/00	ND	20	0.5
Cadmium	06/08/00	ND	4	0.5
Calcium	06/08/00	45000	NLE	20.0
Chromium	06/08/00	4.30	100	0.5
Cobalt	06/08/00	ND	NLE	0.5
Copper	06/08/00	ND	1000	3.0
Iron	06/08/00	7400	300	10.0
Lead	06/08/00	ND	10	2.0
Magnesium	06/08/00	5400	NLE	20.0
Manganese	06/08/00	117	50	0.5
Mercury	05/18/00	ND	2	0.1
Nickel	06/08/00	4.12	100	0.5
Potassium	06/08/00	6170	NLE	20.0
Selenium	06/08/00	ND	50	3.0
Silver	06/08/00	ND	20	3.0
Sodium	06/08/00	10500	50000	20.0
Thallium	06/08/00	ND	10	3.0
Vanadium	06/08/00	ND	NLE	1.0
Zinc	06/08/00	14.9	5000	1.0

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 #: 5418.08
Sample Received: 05/16/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW23

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/08/00	691	200	10.0
Antimony	06/08/00	ND	20	2.0
Arsenic	06/08/00	ND	8	2.0
Barium	06/08/00	ND	2000	0.5
Beryllium	06/08/00	ND	20	0.5
Cadmium	06/08/00	5.96	4	0.5
Calcium	06/08/00	57900	NLE	20.0
Chromium	06/08/00	6.49	100	0.5
Cobalt	06/08/00	1.74	NLE	0.5
Copper	06/08/00	ND	1000	3.0
Iron	06/08/00	6300	300	10.0
Lead	06/08/00	ND	10	2.0
Magnesium	06/08/00	4120	NLE	20.0
Manganese	06/08/00	159	50	0.5
Mercury	05/18/00	ND	2	0.1
Nickel	06/08/00	6.28	100	0.5
Potassium	06/08/00	5870	NLE	20.0
Selenium	06/08/00	ND	50	3.0
Silver	06/08/00	ND	20	3.0
Sodium	06/08/00	5750	50000	20.0
Thallium	06/08/00	ND	10	3.0
Vanadium	06/08/00	ND	NLE	1.0
Zinc	06/08/00	861	5000	1.0

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 #: 5418.09
Sample Received: 05/16/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW24

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/08/00	626	200	10.0
Antimony	06/08/00	ND	20	2.0
Arsenic	06/08/00	28.6	8	2.0
Barium	06/08/00	ND	2000	0.5
Beryllium	06/08/00	ND	20	0.5
Cadmium	06/08/00	ND	4	0.5
Calcium	06/08/00	119000	NLE	20.0
Chromium	06/08/00	8.97	100	0.5
Cobalt	06/08/00	1.06	NLE	0.5
Copper	06/08/00	ND	1000	3.0
Iron	06/08/00	2720	300	10.0
Lead	06/08/00	ND	10	2.0
Magnesium	06/08/00	17700	NLE	20.0
Manganese	06/08/00	71.3	50	0.5
Mercury	05/18/00	ND	2	0.1
Nickel	06/08/00	9.43	100	0.5
Potassium	06/08/00	12900	NLE	20.0
Selenium	06/08/00	3.35	50	3.0
Silver	06/08/00	ND	20	3.0
Sodium	06/08/00	119000	50000	20.0
Thallium	06/08/00	ND	10	3.0
Vanadium	06/08/00	7.78	NLE	1.0
Zinc	06/08/00	14.5	5000	1.0

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

LTM

	Laboratory	Acetone	2-Butanone	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	900	300	50	20	200	20	8	-
06/12/1997	FMETL	ND	ND	2.06	27000	57	33	-	-	-	V,S,P,M
07/03/1997	FMETL	ND	ND	1.04	30300	290	27	124.1	ND	2	V,S,P,M
11/07/1997	FMETL	ND	ND	1.60	11600	136	ND	110	ND	ND	V,S,P,M
02/23/1998	FMETL	ND	ND	7.20	50590	119	ND	76	ND	ND	V,S,P,M
05/07/1998	FMETL	ND	ND	ND	48050	172	ND	34.5	ND	2.6	V,S,P,M
08/06/1998	FMETL	5.25	4.38	ND	19900	219	ND	117	2.27	ND	V,S,P,M
11/03/1998	FMETL	ND	ND	ND	14700	100	ND	25.4	3.23	ND	V,S,P,M
01/29/1999	FMETL	ND	ND	ND	41400	654	ND	ND	ND	ND	V,S,P,M
05/25/1999	FMETL	ND	ND	ND	40400	314	ND	154	ND	ND	V,S,P,M
07/23/1999	FMETL	ND	ND	ND	13700	89.7	ND	74.8	ND	ND	V,S,P,M
10/14/1999	FMETL	ND	ND	ND	17400	147	ND	160	6.92	ND	V,S,P,M
02/24/2000	FMETL	ND	ND	ND	24900	105	ND	ND	ND	ND	V,S,P,M
02/24/2000D	FMETL	ND	ND	ND	22300	102	ND	ND	ND	ND	V,S,P,M
05/16/2000	FMETL	ND	ND	ND	20500	79.2	ND	64.4	ND	ND	V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 05/16/2000

NOTES:

Page 1 of 2.

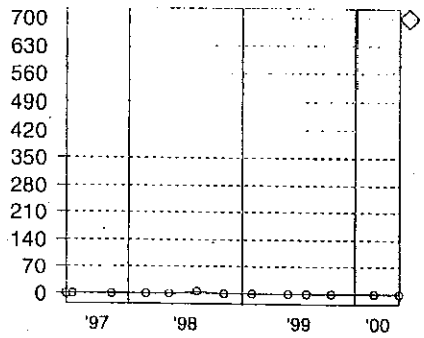
FORT MONMOUTH

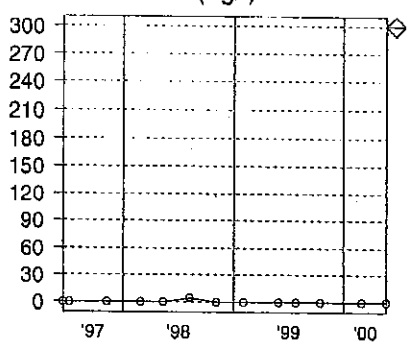
GW MONITORING
Bldg. M-14

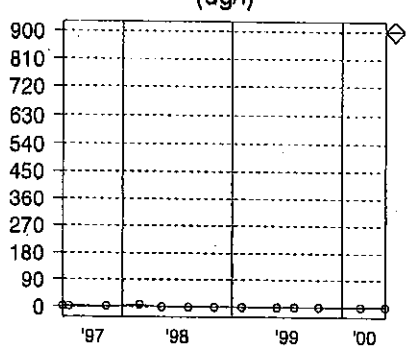
Well 1 of 5

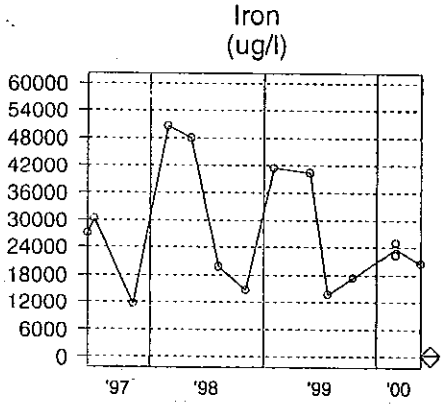
*Ag in blank > GW Criteria for 6/97 & 7/97.

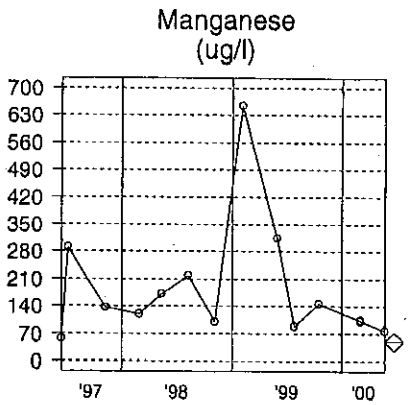
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

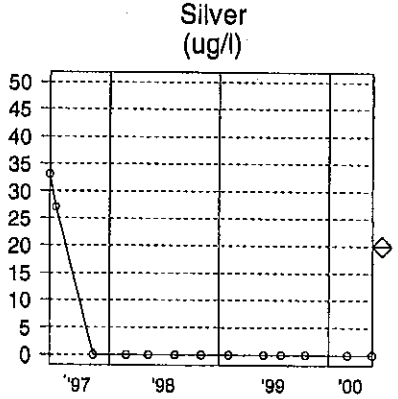


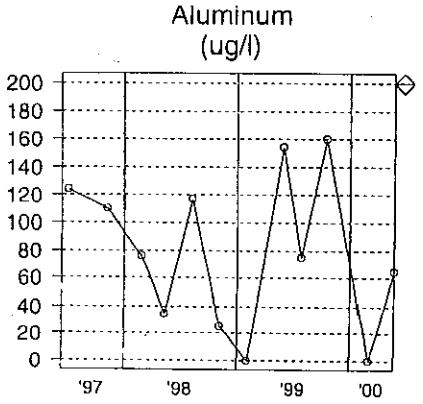


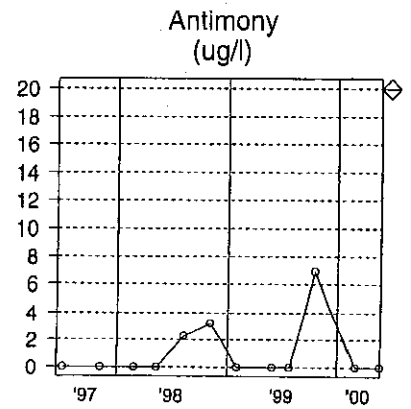


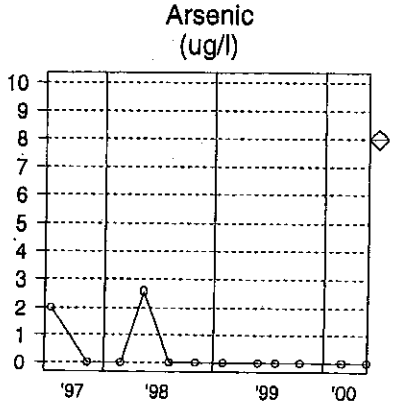












SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 05/16/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 5, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-12-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	2000	NLE	NLE	100	NLE	50000	5000	-		-
06/12/1997	FMETL	-	-	-	-	-	-	-	6.90		V,S,P,M
07/03/1997	FMETL	70.8	27810	4280	ND	5340	8320	21	7.20		V,S,P,M
11/07/1997	FMETL	17.4	18930	2320	ND	5660	6580	67	7.35		V,S,P,M
02/23/1998	FMETL	46.2	20450	2420	1.2	6400	5940	21	6.40		V,S,P,M
05/07/1998	FMETL	51.1	25500	2956	1.2	8018	7202	23.9	6.51		V,S,P,M
08/06/1998	FMETL	337	29100	3200	ND	14800	9130	61.3	7.84		V,S,P,M
11/03/1998	FMETL	13.8	19100	2530	5.69	28700	5360	72.6	8.01		V,S,P,M
01/29/1999	FMETL	35.8	40900	4550	20.6	6380	7810	664	6.43		V,S,P,M
05/25/1999	FMETL	59.2	28800	3470	0.931	7310	9220	4.98	7.31		V,S,P,M
07/23/1999	FMETL	13.2	16700	2120	0.716	6330	5840	40.3	7.98		V,S,P,M
10/14/1999	FMETL	27.2	20600	2770	5.03	6860	5880	55.2	7.67		V,S,P,M
02/24/2000	FMETL	21.6	18700	2450	ND	6080	5800	21.4	6.74		V,S,P,M
02/24/2000D	FMETL	19.6	18000	2390	ND	6100	5930	12.3	6.74		V,S,P,M
05/16/2000	FMETL	ND	16900	2150	3.59	6100	5040	15.7	6.88		V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 05/16/2000

NOTES:

Page 2 of 2.

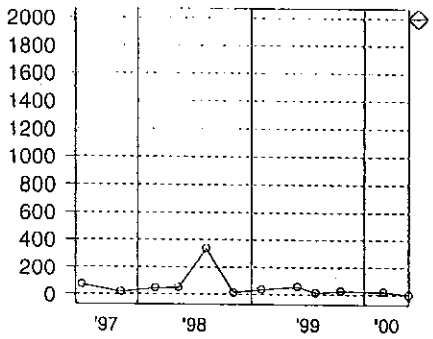
FORT MONMOUTH

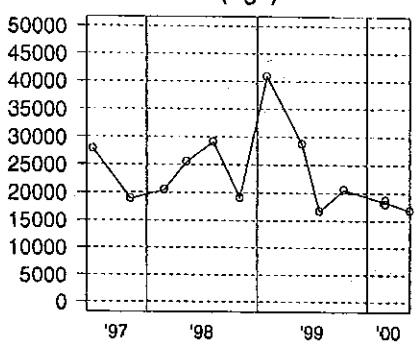
GW MONITORING
Bldg. M-14

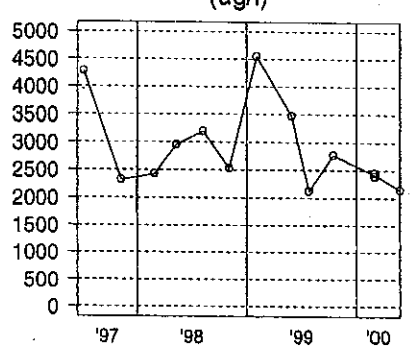
Well 1 of 6

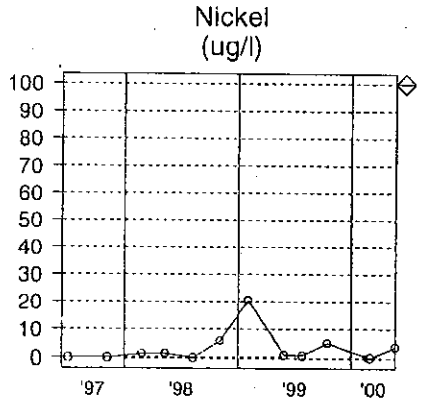
*Ag in blank > GW Criteria for 6/97 & 7/97.

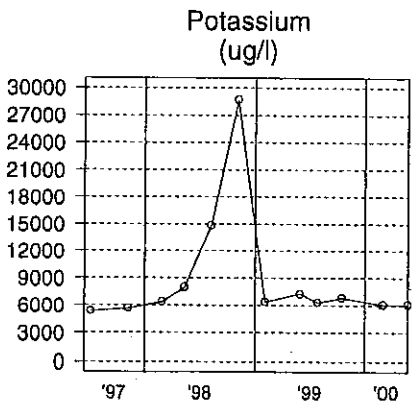
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

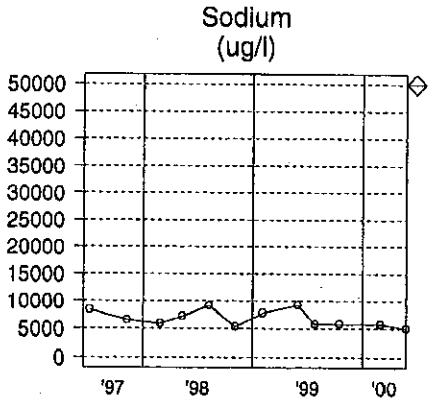


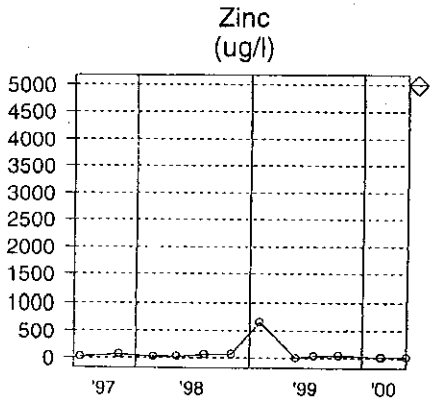


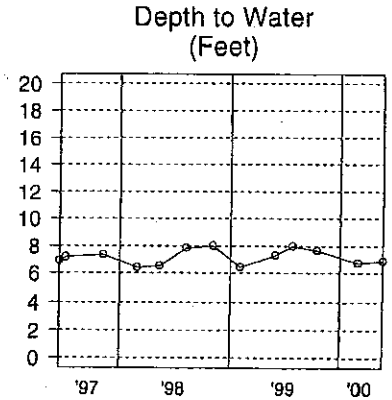












SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 05/16/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 1 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-13-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	900	300	50	20	200	20	8	-
06/12/1997	FMETL	ND	ND	3.86	6990	147	32	-	-	-	V,S,P,M
07/03/1997	FMETL	ND	ND	1.31	2470	75	29	21.2	ND	2	V,S,P,M
11/07/1997	FMETL	ND	ND	2.09	2330	46	ND	71	ND	ND	V,S,P,M
02/23/1998	FMETL	ND	ND	12.5	12550	677	ND	286	ND	ND	V,S,P,M
05/07/1998	FMETL	ND	ND	ND	ND	196	ND	ND	ND	ND	V,S,P,M
08/06/1998	FMETL	14.14	6.58	ND	6680	61	ND	270	2.74	3.77	V,S,P,M
11/03/1998	FMETL	ND	ND	ND	3360	57.8	ND	67.8	ND	3.94	V,S,P,M
01/29/1999	FMETL	ND	ND	ND	7210	146	ND	149	ND	ND	V,S,P,M
05/25/1999	FMETL	ND	ND	ND	1490	88.8	ND	139	ND	ND	V,S,P,M
07/23/1999	FMETL	ND	ND	ND	10600	57.7	ND	365	4.23	3.86	V,S,P,M
10/14/1999	FMETL	ND	ND	ND	59800	445	ND	255	2.58	8.89	V,S,P,M
02/24/2000	FMETL	ND	ND	ND	9570	225	ND	132	ND	5.83	V,S,P,M
05/16/2000	FMETL	ND	ND	ND	5130	167	ND	126	3.27	ND	V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 05/16/2000

NOTES:

Page 1 of 2.

FORT MONMOUTH

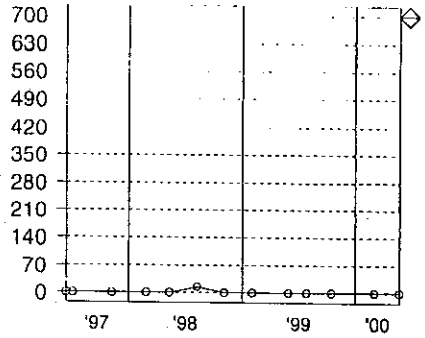
GW MONITORING
Bldg. M-14

Well 2 of 5

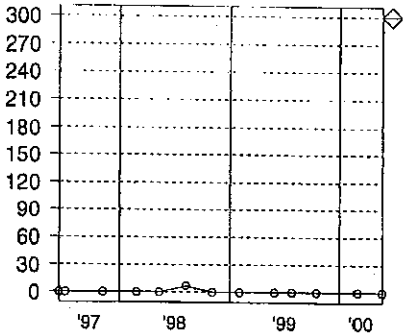
*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

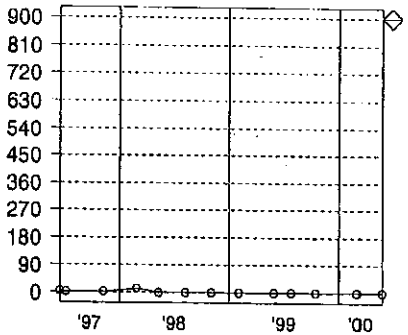
Acetone (ug/l)



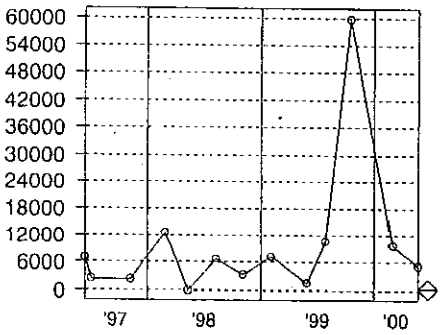
2-Butanone (ug/l)



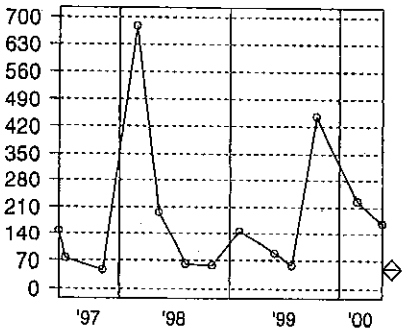
Di-n-butylphthalate (ug/l)



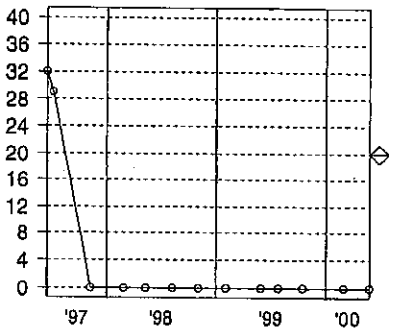
Iron (ug/l)



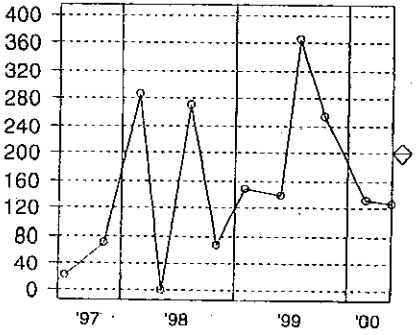
Manganese (ug/l)



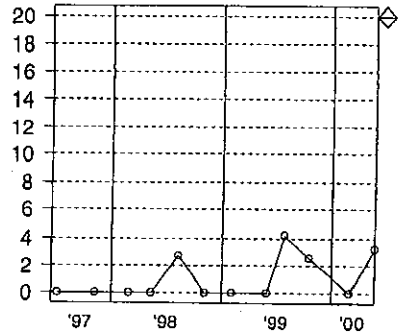
Silver (ug/l)



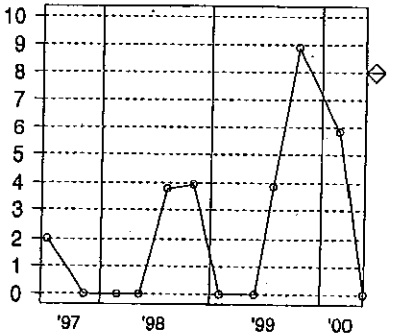
Aluminum (ug/l)



Antimony (ug/l)



Arsenic (ug/l)



SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 05/16/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 5, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-12-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	2000	NLE	NLE	100	NLE	50000	5000	-		-
06/12/1997	FMETL	-	-	-	-	-	-	-	6.25		V,S,P,M
07/03/1997	FMETL	14.6	24700	2350	ND	5290	6000	24	6.60		V,S,P,M
11/07/1997	FMETL	14	34440	2420	ND	5080	5860	45	6.50		V,S,P,M
02/23/1998	FMETL	60.4	104400	8500	24	9500	14860	108	5.80		V,S,P,M
05/07/1998	FMETL	25.5	63960	4130	8.4	10450	10630	12	5.85		V,S,P,M
08/06/1998	FMETL	30.6	37300	2980	ND	7570	6400	42.1	6.94		V,S,P,M
11/03/1998	FMETL	17.7	41300	2730	2.59	6110	5760	17.4	7.40		V,S,P,M
01/29/1999	FMETL	22.5	49400	2350	14.6	5550	7180	133	6.20		V,S,P,M
05/25/1999	FMETL	43	45700	5560	4.32	7770	14000	2.3	6.78		V,S,P,M
07/23/1999	FMETL	42.1	35500	3180	1.12	5710	6190	23.7	7.23		V,S,P,M
10/14/1999	FMETL	61.3	89100	6690	49.1	8210	9990	323	6.82		V,S,P,M
02/24/2000	FMETL	35.9	61600	4600	8.52	7220	9380	45.1	6.71		V,S,P,M
05/16/2000	FMETL	ND	49300	3000	28.7	5650	7190	432	6.60		V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 05/16/2000

NOTES:

Page 2 of 2.

FORT MONMOUTH

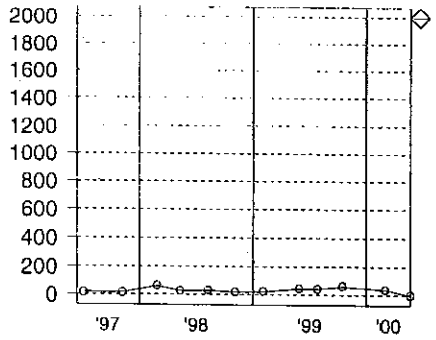
GW MONITORING
Bldg. M-14

Well 2 of 6

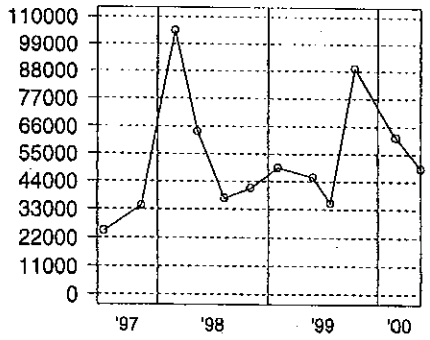
*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

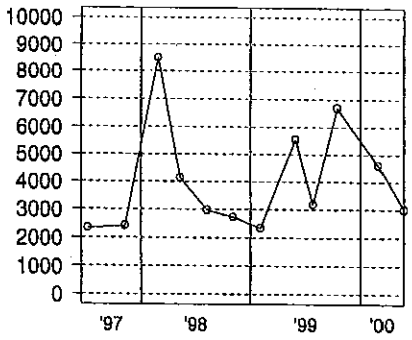
Barium (ug/l)



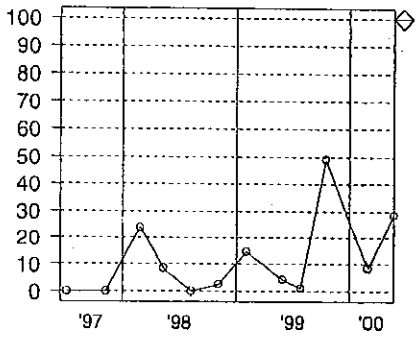
Calcium (ug/l)



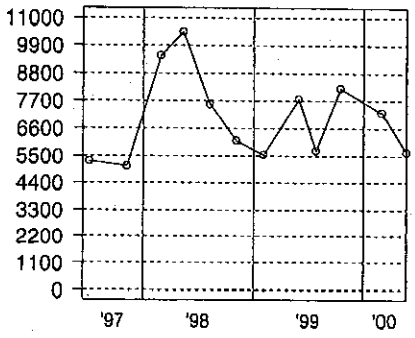
Magnesium (ug/l)



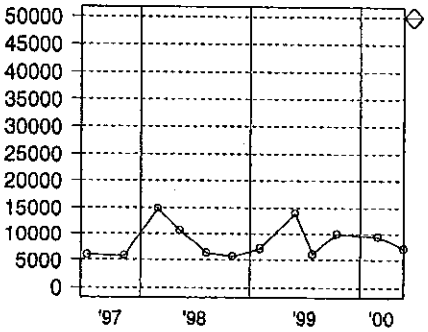
Nickel (ug/l)



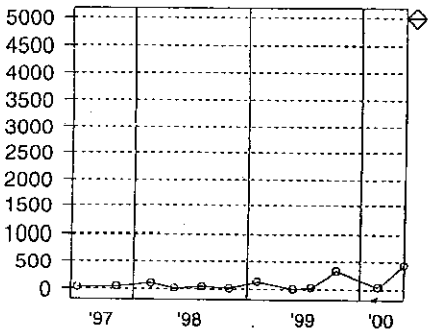
Potassium (ug/l)



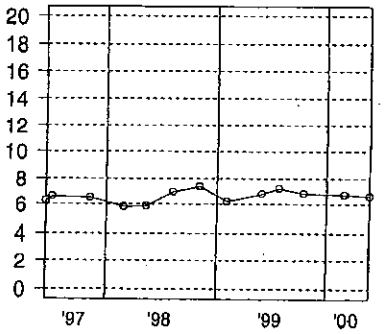
Sodium (ug/l)



Zinc (ug/l)



Depth to Water (Feet)



SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 05/16/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 2 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-14-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	900	300	50	20	200	20	8	-
06/12/1997	FMETL	ND	ND	3.66	1470	64	83	-	-	-	V,S,P,M
07/03/1997	FMETL	ND	ND	3.87	940	84	56	26.8	ND	ND	V,S,P,M
11/07/1997	FMETL	ND	ND	1.46	690	58	ND	95	ND	ND	V,S,P,M
02/23/1998	FMETL	ND	ND	ND	5440	85	ND	93	ND	ND	V,S.P.M
05/07/1998	FMETL	ND	ND	ND	1009	54.6	ND	ND	3.4	ND	V,S,P,M
08/06/1998	FMETL	11.41	5.22	ND	3820	91.9	ND	1190	3.8	ND	V,S,P,M
11/03/1998	FMETL	6.57	ND	ND	831	117	ND	93	ND	ND	V,S,P,M
01/29/1999	FMETL	ND	ND	ND	975	67.4	ND	ND	ND	ND	V,S,P,M
05/25/1999	FMETL	ND	ND	ND	29100	231	ND	538	5.05	5.38	V,S,P,M
07/23/1999	FMETL	ND	ND	ND	650	110	ND	64.7	ND	ND	V,S,P,M
10/14/1999	FMETL	ND	ND	ND	1050	77.2	9.16	99.9	2.32	ND	V,S,P,M
02/24/2000	FMETL	ND	ND	ND	871	69.8	ND	ND	ND	ND	V,S,P,M
05/16/2000	FMETL	ND	ND	ND	1040	83.1	ND	56.9	ND	ND	V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 05/16/2000

NOTES:

Page 1 of 2.

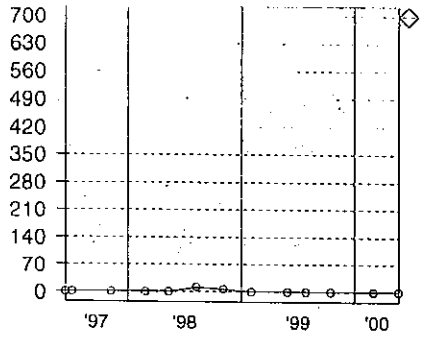
FORT MONMOUTH

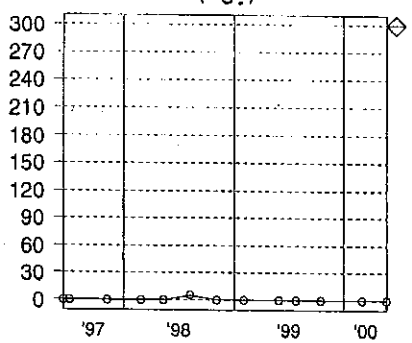
GW MONITORING
Bldg. M-14

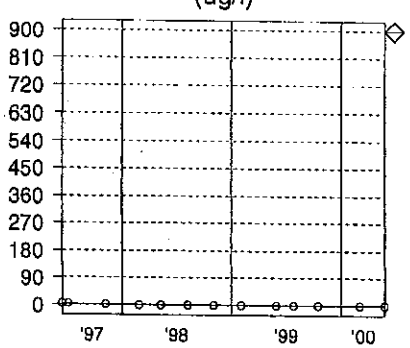
Well 3 of 5

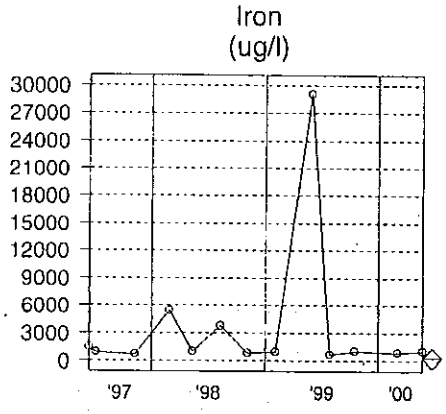
*Ag in blank > GW Criteria for 6/97 & 7/97.

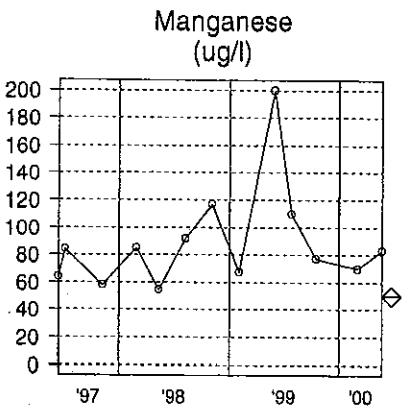
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

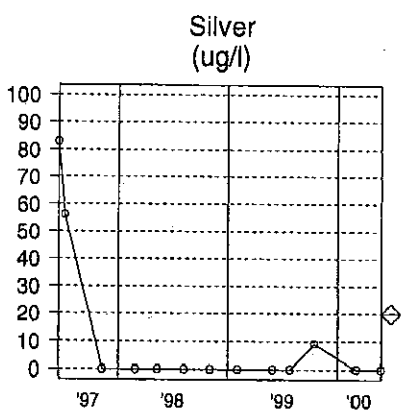


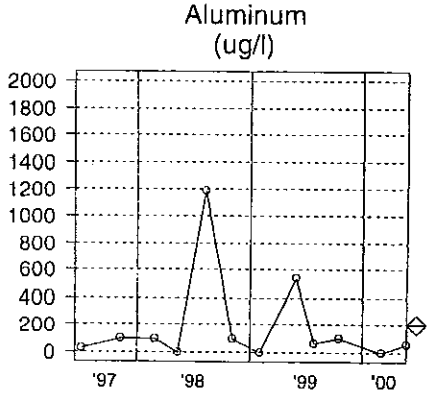


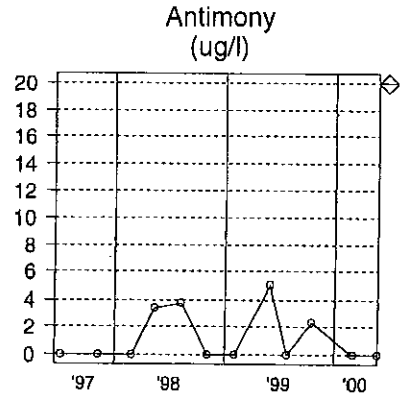


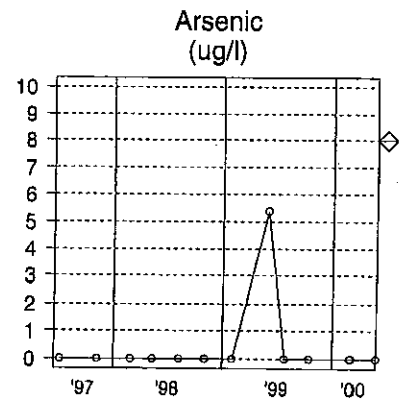












SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 05/16/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 5, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-12-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	2000	NLE	NLE	100	NLE	50000	5000	-		-
06/12/1997	FMETL	-	-	-	-	-	-	-	7.11		V,S,P,M
07/03/1997	FMETL	25.1	29690	4310	ND	6360	6770	26	6.85		V,S,P,M
11/07/1997	FMETL	23.6	34450	4140	5.9	6520	10300	236	7.10		V,S,P,M
02/23/1998	FMETL	97.1	48840	6670	3.8	9230	25370	20	6.10		V,S.P.M
05/07/1998	FMETL	33.1	45440	6389	1.5	10820	11820	ND	6.22		V,S,P,M
08/06/1998	FMETL	43	44200	5090	1.29	12600	7930	47.5	6.83		V,S,P,M
11/03/1998	FMETL	73.4	86800	9390	2.19	11300	38800	ND	6.72		V,S,P,M
01/29/1999	FMETL	26.1	32300	3610	1.17	6240	12300	12	6.27		V,S,P,M
05/25/1999	FMETL	65.2	60700	3870	5.99	7950	9230	27.1	6.58		V,S,P,M
07/23/1999	FMETL	87.9	79100	8940	ND	11200	47000	15.5	7.41		V,S,P,M
10/14/1999	FMETL	28.0	39900	4490	1.14	6580	12000	8.15	7.70		V,S,P,M
02/24/2000	FMETL	18.4	30700	3620	ND	5870	6760	7.62	7.53		V,S,P,M
05/16/2000	FMETL	ND	35000	4070	5.86	6360	7840	105	6.88		V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 05/16/2000

NOTES:

Page 2 of 2.

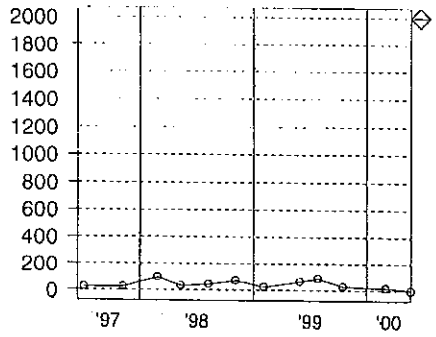
FORT MONMOUTH

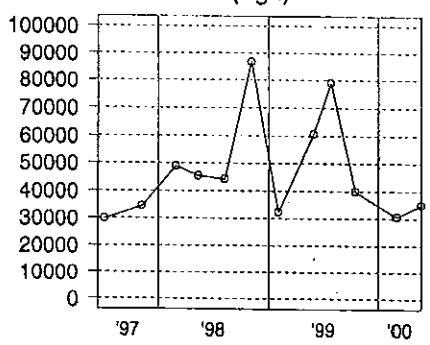
GW MONITORING
Bldg. M-14

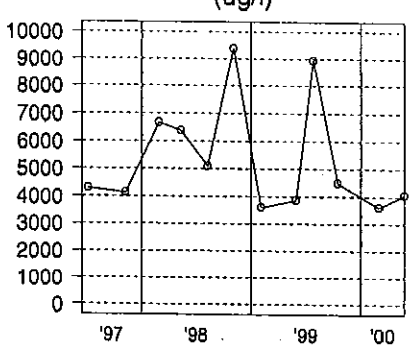
Well 3 of 6

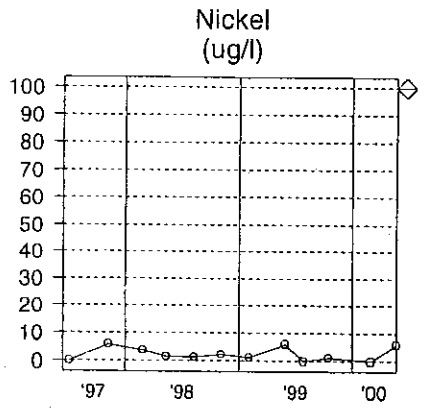
*Ag in blank > GW Criteria for 6/97 & 7/97.

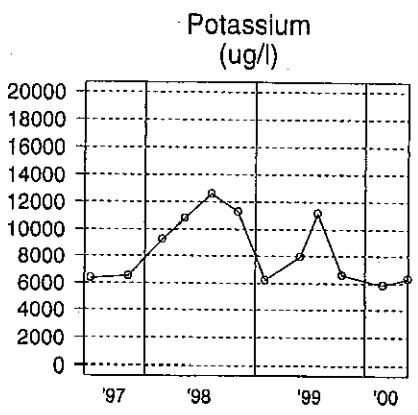
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

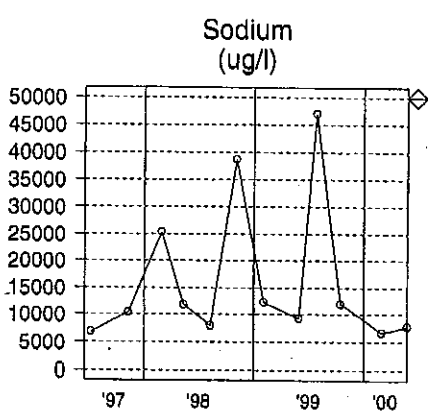


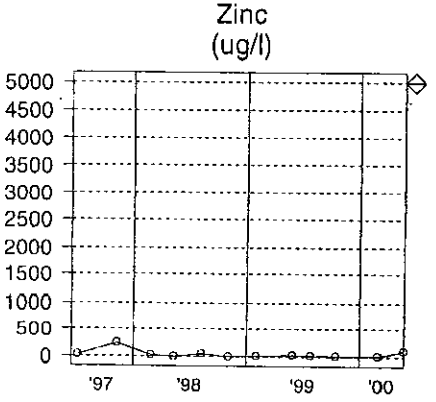


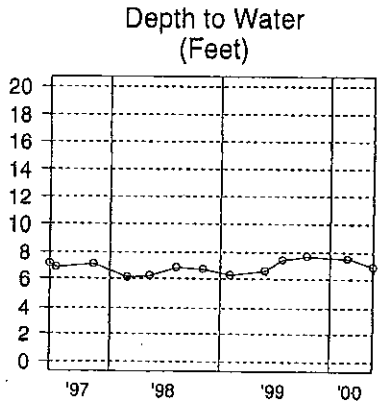












SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 05/16/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 3 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-13-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Chloro benzene	Iron	Manganese	Aluminum	Barium	Calcium	Magnesium	Nickel	Potassium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	4	300	50	200	2000	NLE	NLE	100	NLE	-
02/24/2000	FMETL	2.61	21400	422	93.4	119	71200	6590	7.19	6180	V,S,P,M
05/16/2000	FMETL	ND	7400	117	45.6	ND	45000	5400	4.12	6170	V,S,P,M

SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 05/16/2000

NOTES:

Page 1 of 2.

FORT MONMOUTH

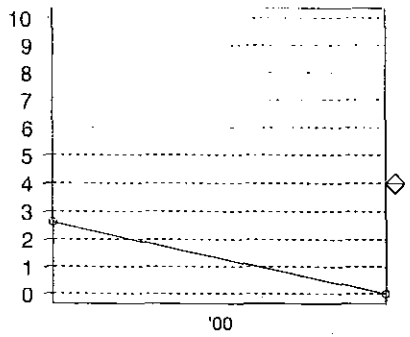
GW MONITORING
Bldg. M-14

Well 4 of 5

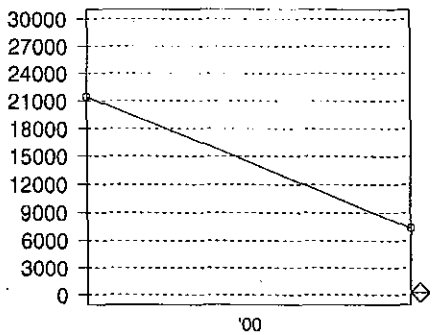
*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

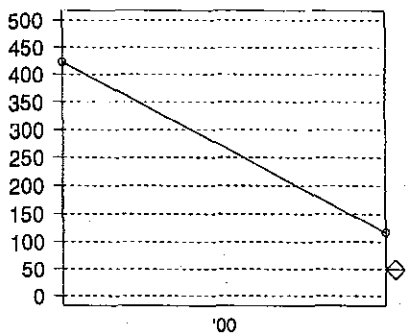
Chlorobenzene
(ug/l)



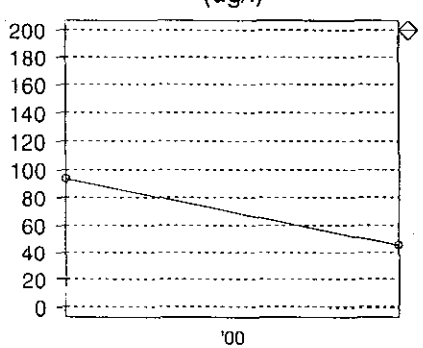
Iron
(ug/l)



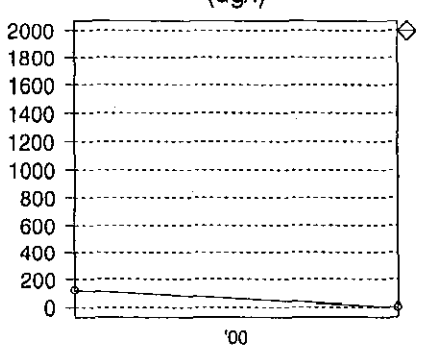
Manganese
(ug/l)



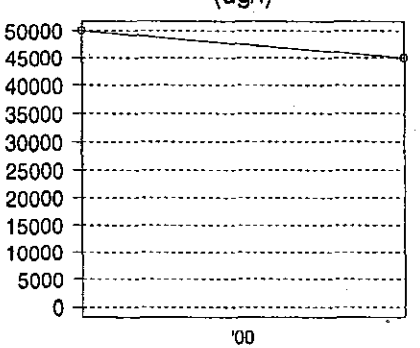
Aluminum
(ug/l)



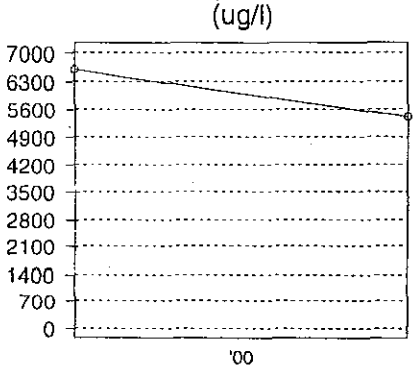
Barium
(ug/l)



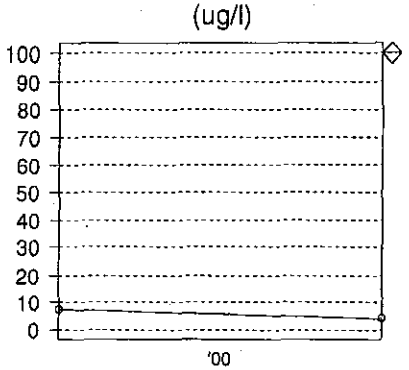
Calcium
(ug/l)



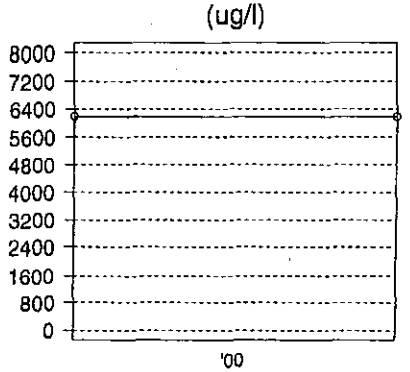
Magnesium
(ug/l)



Nickel
(ug/l)



Potassium
(ug/l)



SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 05/16/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 4 of 5, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-12-2000 x:\mtech46\m\m-14\gw\m-14.wsf

	Laboratory	Sodium	Zinc	Depth to Water							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	50000	5000	-							-
02/24/2000	FMETL	10500	146	6.99							V,S,P,M
05/16/2000	FMETL	10500	14.9	6.80							V,S,P,M

SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 05/16/2000

NOTES:

Page 2 of 2.

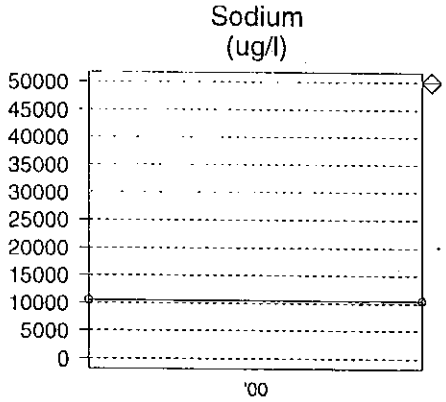
FORT MONMOUTH

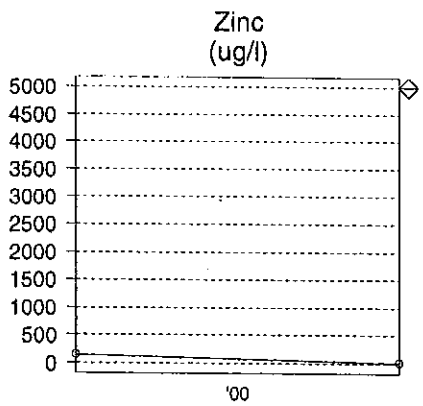
GW MONITORING
Bldg. M-14

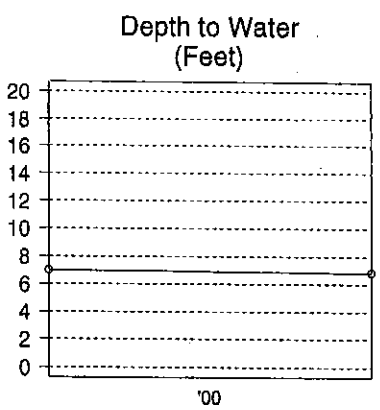
Well 4 of 6

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 05/16/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 4 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-13-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Iron	Manganese	Aluminum	Antimony	Arsenic	Barium	Calcium	Magnesium	Nickel	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	300	50	200	20	8	2000	NLE	NLE	100	-
02/24/2000	FMETL	20000	395	251	69.7	3.17	76.3	57200	25500	15800	V,S,P,M
05/16/2000	FMETL	6300	159	691	ND	ND	ND	57900	4120	6.28	V,S,P,M
05/16/2000D	FMETL	6100	156	624	ND	ND	0.957	57000	3990	6.88	V,S,P,M

SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 05/16/2000

NOTES:

Page 1 of 2.

FORT MONMOUTH

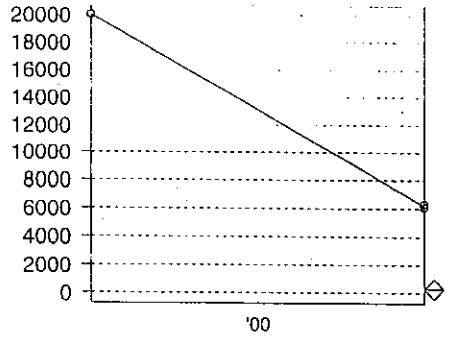
GW MONITORING
Bldg. M-14

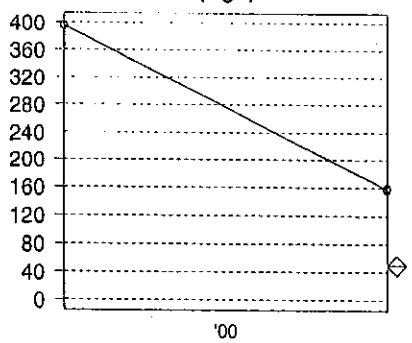
Well 5 of 6

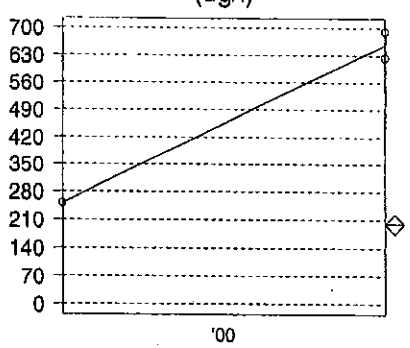
*Ag in blank > GW Criteria for 6/97 & 7/97.

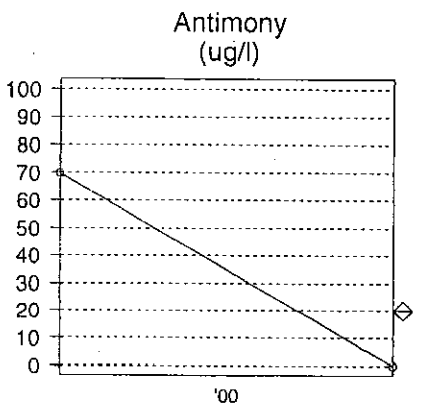
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

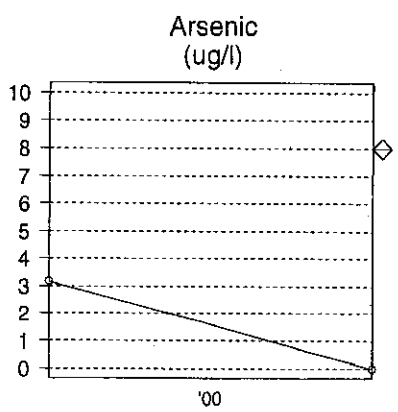
07-12-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

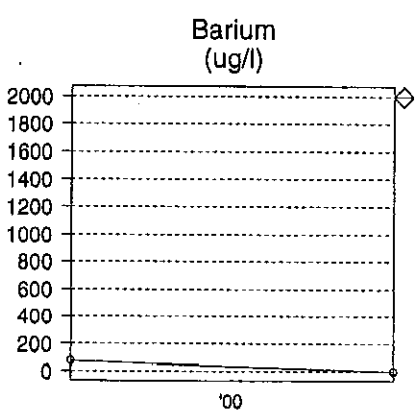


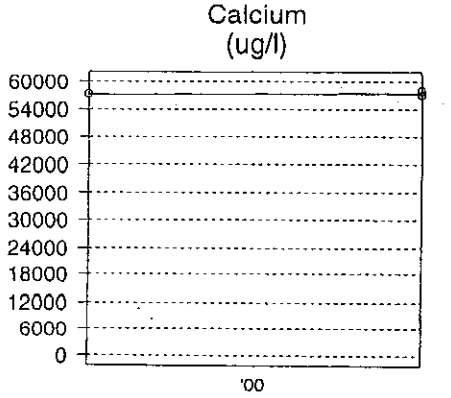


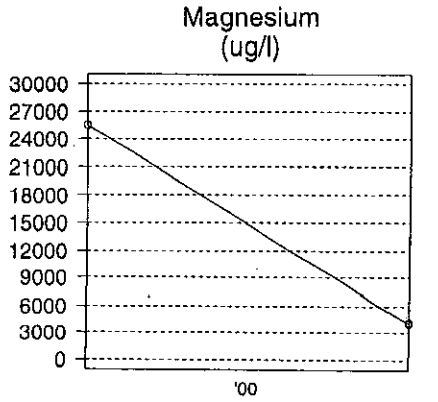


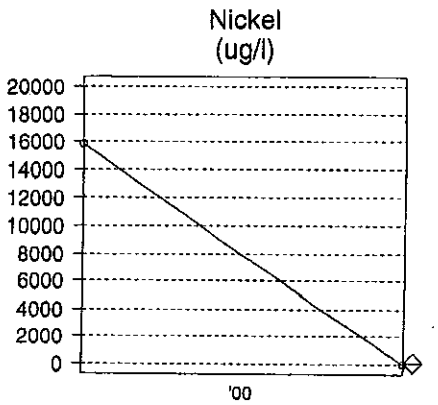












SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 05/16/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 5 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-12-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Potassium	Sodium	Zinc	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	NLE	50000	5000	-						-
02/24/2000	FMETL	7810	30800	413	7.40						V,S,P,M
05/16/2000	FMETL	5870	5750	861	6.83						V,S,P,M
05/16/2000D	FMETL	5800	5530	703	6.83						V,S,P,M

SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 05/16/2000

NOTES:

Page 2 of 2.

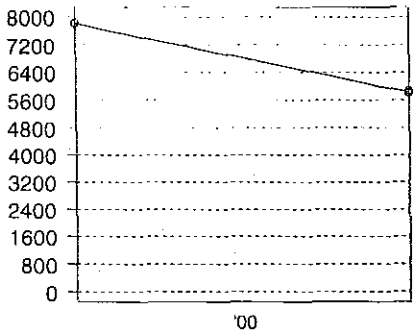
FORT MONMOUTH

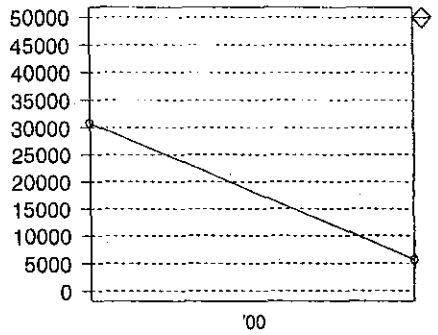
GW MONITORING
Bldg. M-14

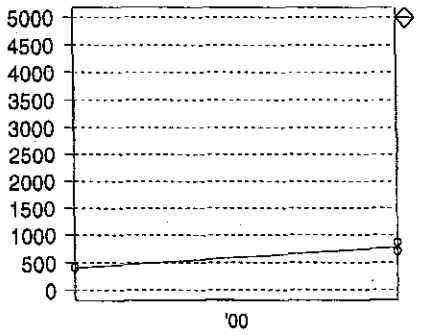
Well 5 of 6

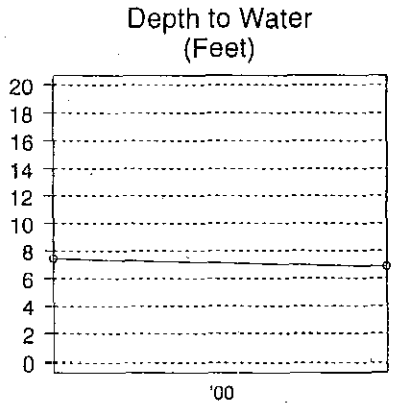
*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV









SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 05/16/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 5 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-13-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butan one	Phen anthrene	Phenol	4-Methyl phenol	Benzoic Acid	Iron	Manganese	Aluminum	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	NLE	4000	NLE	NLE	300	50	200	-
05/16/2000	FMETL	95.59	11.23	1.32	22.55	2.59	19.46	2720	71.3	626	V,S,P,M

SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 05/16/2000

NOTES:

Page 1 of 2.

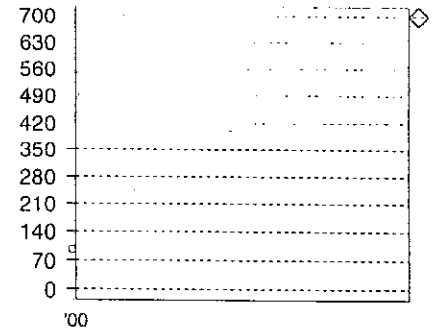
FORT MONMOUTH

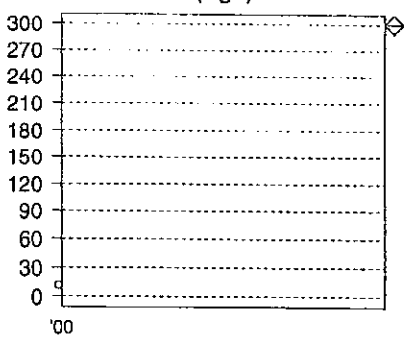
GW MONITORING
Bldg. M-14

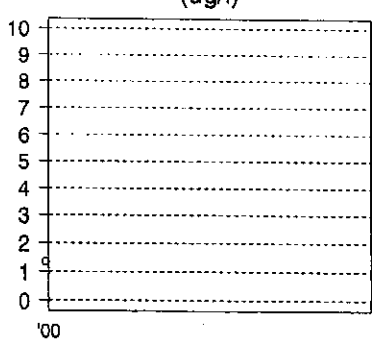
Well 6 of 6

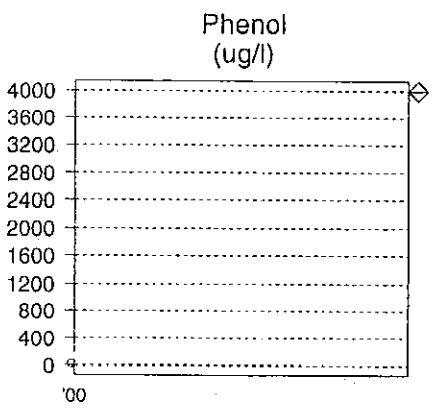
*Ag in blank > GW Criteria for 6/97 & 7/97.

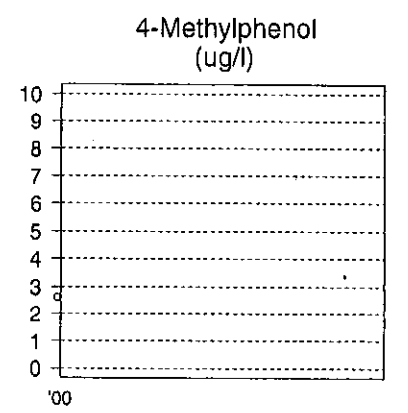
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

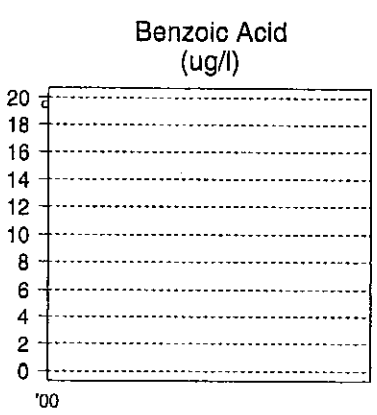


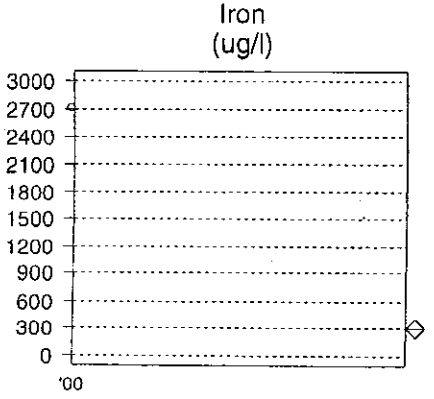


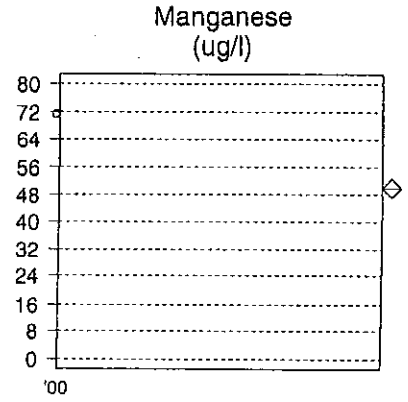


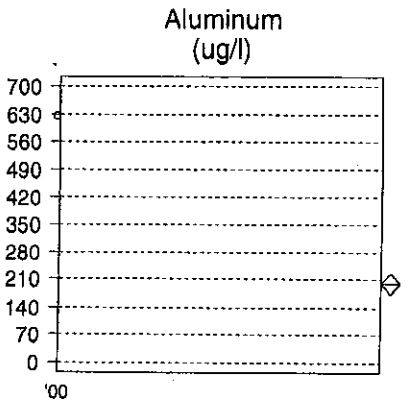












SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 05/16/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 6 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-12-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Arsenic	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	8	NLE	NLE	100	NLE	50000	5000	-		-
05/16/2000	FMETL	28.6	119000	17700	9.43	12900	119000	14.5	7.61		V,S,P,M

SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 05/16/2000

NOTES:

Page 2 of 2.

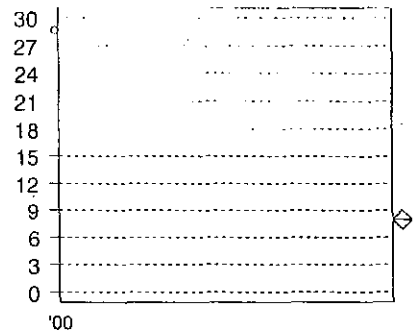
FORT MONMOUTH

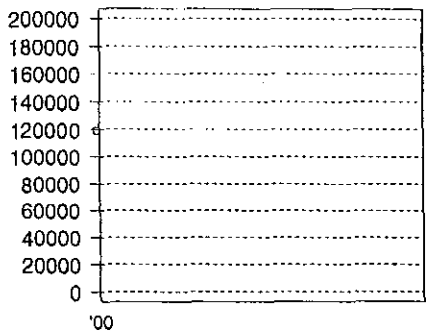
GW MONITORING
Bldg. M-14

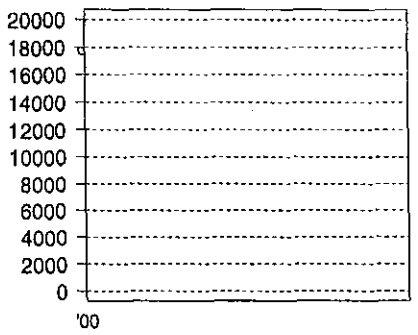
Well 6 of 6

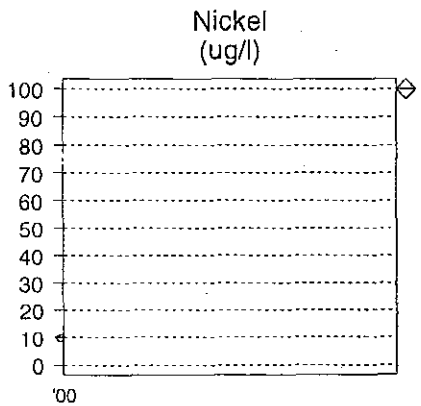
*Ag in blank > GW Criteria for 6/97 & 7/97.

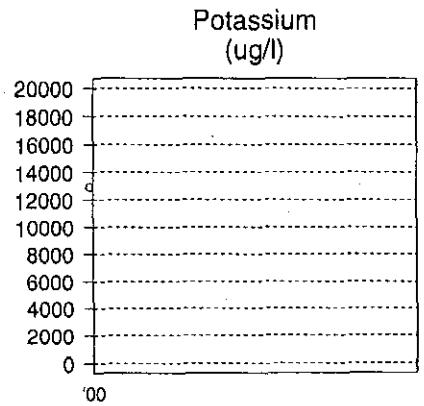
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

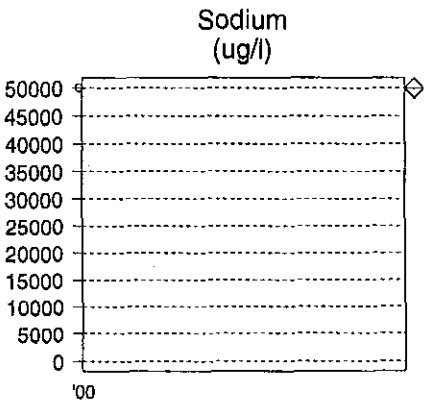


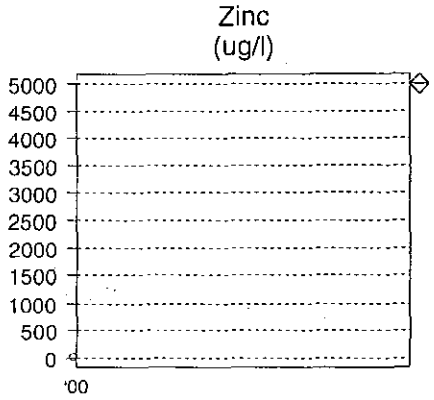


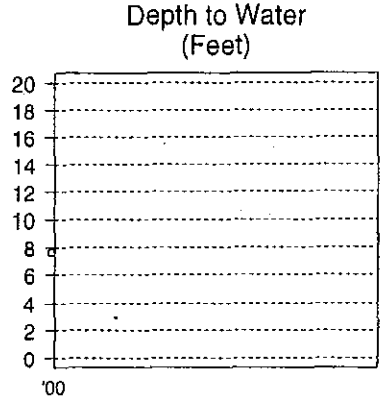












SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 05/16/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Well 6 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-13-2000 x:\mtech46\m\m-14\gw\m-14.wsf

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring
Low Flow/Round I

SAMPLE LOCATION AND IDENTIFICATION

SITE: M-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5648.01	0M14MW19	29-32579	08/22/00
5656.02	0M14MW20	29-32580	08/23/00
5656.04	0M14MW21	29-32581	08/23/00
5648.02	0M14MW22	29-41787	08/22/00
5656.03	0M14MW23	29-41786	08/23/00
5656.05	0M14MW24	29-41788	08/23/00

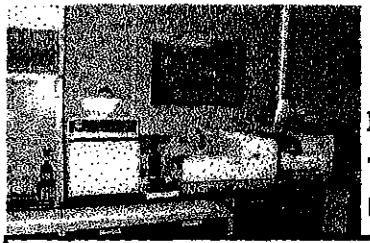
NJDEP Laboratory Certification # 13461

9-15-00
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

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 #: 26223
(✓)DERA ( )OMA ( )Other:_____

Project No: LOW FLOW
Location: MW LANDFILL

Samplers Name / Company: MARK LAURA - TUS- PWS 07

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	TAL METALS								Remarks / Preservation Method
1	MW14MW19	8-22-00	1315	AQ.	1	X								HNO3
2	MW14MW22	"	1435	"	"	"								"

Comments:

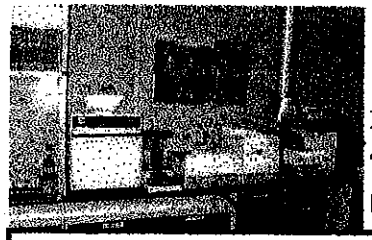
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
	8-22-00 1520				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: SHARED F.B. + F.D. W/ MI2 LOW FLOW SAMPLING SAME DAY MD

print legibly

Coc xls8/8/00



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 #: 26223
(✓)DERA ( )OMA ( )Other:_____

Project No: LOW FLOW
Location: M-14 LANDFILL

Samplers Name / Company: MARK LAURA - TVS-PWS 07

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	TAL METALS								Remarks / Preservation Method
56576. 1	F.B.	8-23-00	0910	AQ.	1	X								HNO3
2	M14MW20	"	1000	"	"	"								"
3	M14MW 23	"	1110	"	"	"								"
4	M14MW 21	"	1210	"	"	"								"
5	M14MW 24	"	1350	"	4	"								"
6	F.D.	"	—	"	"	"								"

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Mark	8-23-00 1510	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:

print legibly

Coc.xls8/8/00

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14 Landfill
MW#: 0M14MW19
NJDEP ID#29-32579
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Mark Laura
DATE: 08/22/00
WEATHER: Sunny, warm.
TIDE: Low
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 2.2 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:147.0 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 6.76 ft
Before Purge Start: 6.76 ft **Previous Day: 6.73 ft** **After Sampling: 6.8 ft**
DEPTH OF WELL: 17.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE:13 ft
TUBING: Food grade Polyethylene 1/4"/Silicon
HEIGHT OF WATER: ft
( ) X .65 / X 3 =
(.65 for 4", .163 for 2")
GALLONS OF H2O TO BE PURGED: Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min): PERISTALTIC/ 2" REDIFLO 2 GRUNDPHOS SUBMERSIBLE PUMP
Purged at 300 mL/Min or Gal/Min. (ml to gal.: ml(.0002642)=gal)
PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

PURGE START TIME: 12:40
pH 5.66 su
TEMP 15.47 °C
DISSOLVED O_2 0.12 mg/L
SPECIFIC CONDUCTIVITY 288.3 ms/cm

PURGE END TIME: 13:16
pH 5.98 su
TEMP 15.29 °C
DISSOLVED O_2 0.04 mg/L
SPECIFIC CONDUCTIVITY 304.1 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 6.8 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 13:11
pH 5.98 su
TEMP 15.33 °C
DISSOLVED O_2 0.03 mg/L
SPECIFIC CONDUCTIVITY 317.7 ms/cm

SAMPLE END TIME: 13:15
ANALYTES: TAL Metals
COMMENTS:

FIELD READINGS

MW: 0M14MW19
NJDEP ID#: 29-32579
DATE: 8/22/00

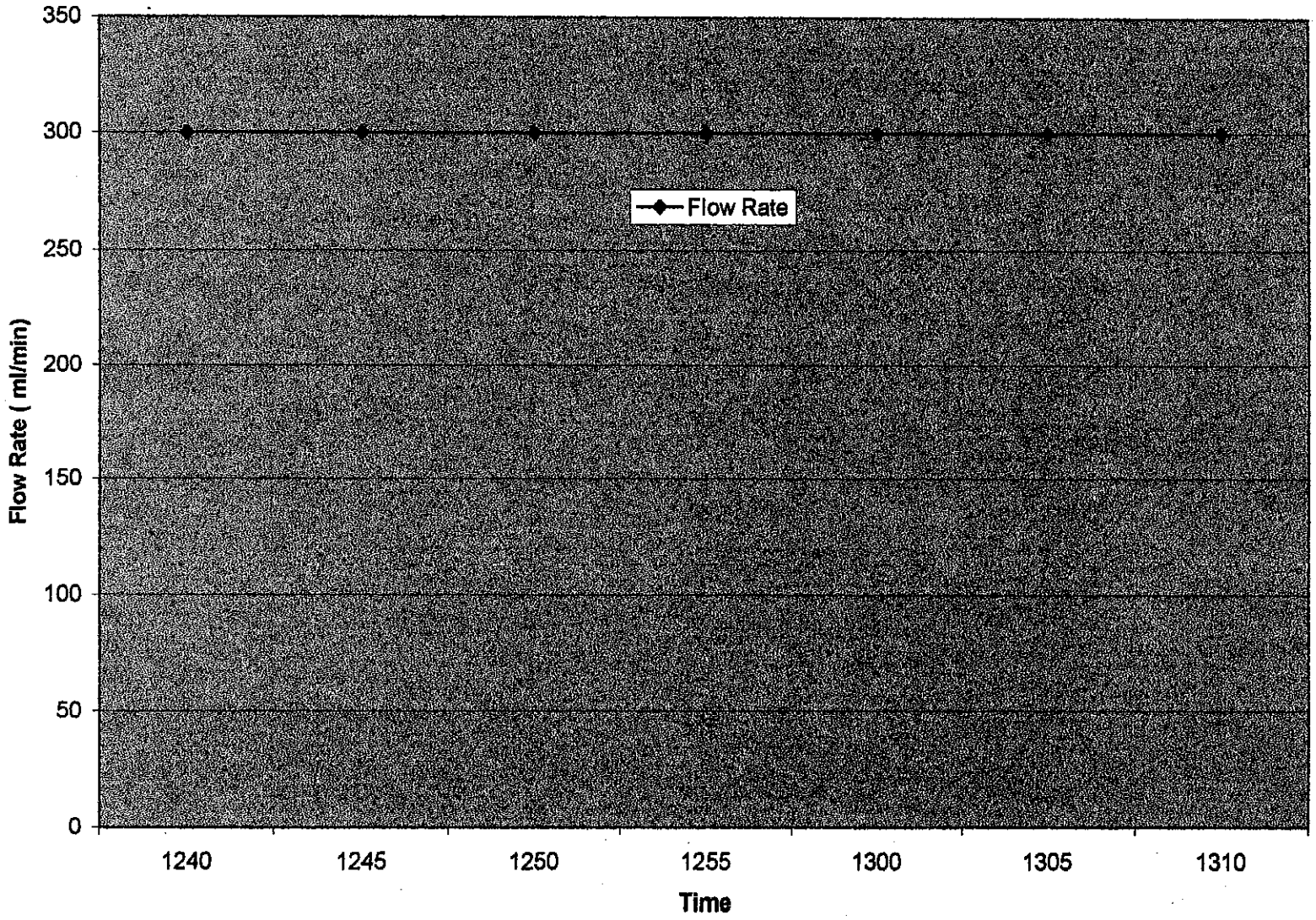
Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
12:40	5.66	15.47	235.8	288.3	0.12	3.33	6.8	300	Clear
12:45	5.64	15.25	235.8	289.8	0.07	1.41	6.8	300	Clear
12:50	5.89	15.21	235.6	289.8	0.06	1.48	6.8	300	Clear
12:55	5.95	15.27	236.6	290.6	0.05	1.49	6.8	300	Clear
13:00	5.96	15.27	241.9	297.1	0.04	1.26	6.8	300	Clear
13:05	5.98	15.29	247.7	304.1	0.04	1.28	6.8	300	Clear
13:10	5.98	15.33	259	317.7	0.03	1.16	6.8	300	Clear

M14MW19 Low Flow Sample Data

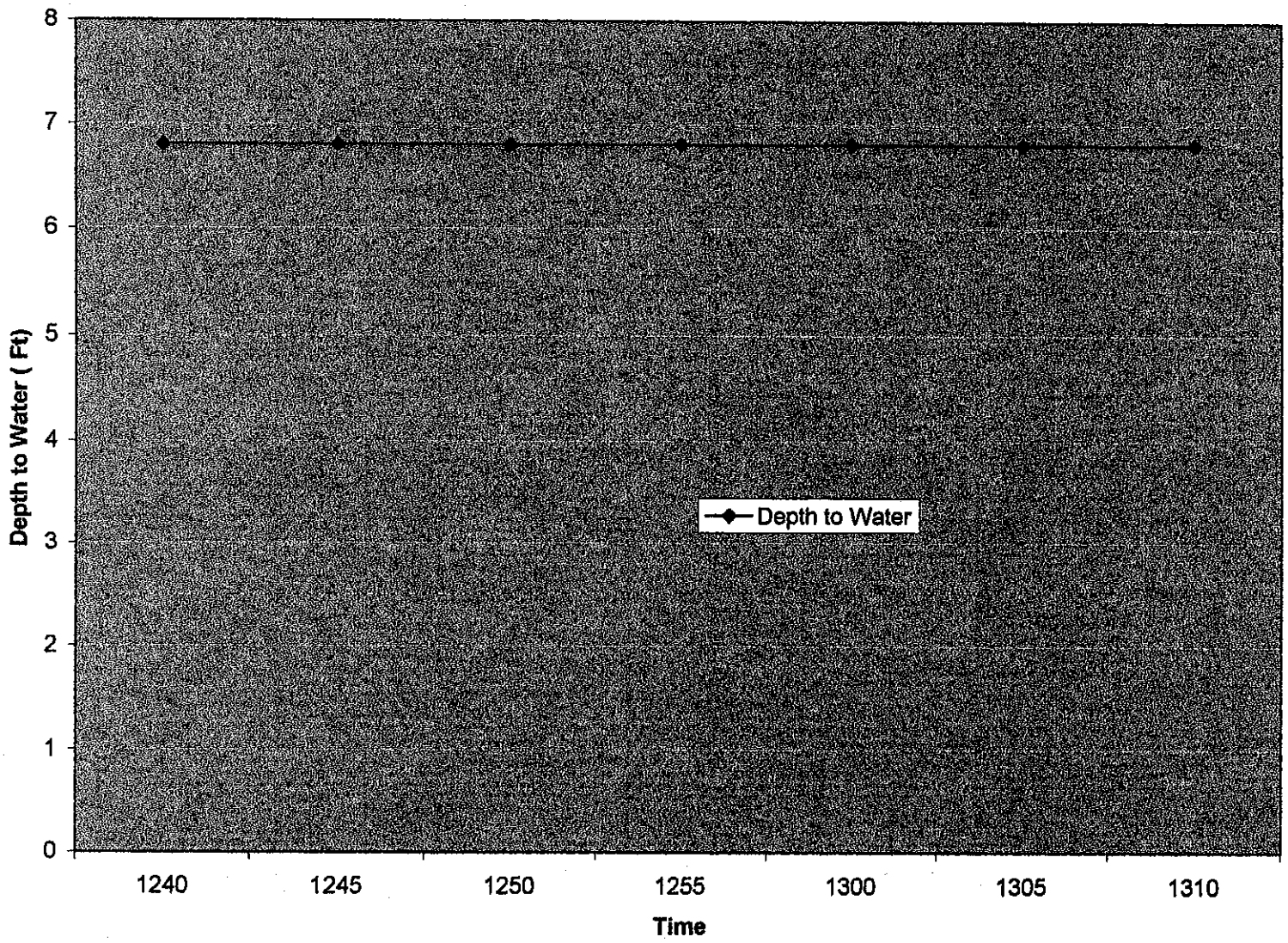
Time	pH	Temp	Dissolved Oxygen	Conductivity	Specific Conductivity	Turbidity	Depth to Water	Flow Rate
	(su)	(celcius)	(mg/l)	(mS/cm)	(mS/cm)	(NTU)	(feet)	(ml/min)
1240	5.66	15.47	0.12	235.8	288.3	3.33	6.8	300
1245	5.64	15.25	0.07	235.8	289.8	1.41	6.8	300
1250	5.89	15.21	0.06	235.6	289.8	1.48	6.8	300
1255	5.95	15.27	0.05	236.6	290.6	1.49	6.8	300
1300	5.96	15.27	0.04	241.9	297.1	1.26	6.8	300
1305	5.98	15.29	0.04	247.7	304.1	1.28	6.8	300
1310	5.98	15.33	0.03	259	317.7	1.16	6.8	300

M14MW19
Permit # : 29-32579
08/22/00

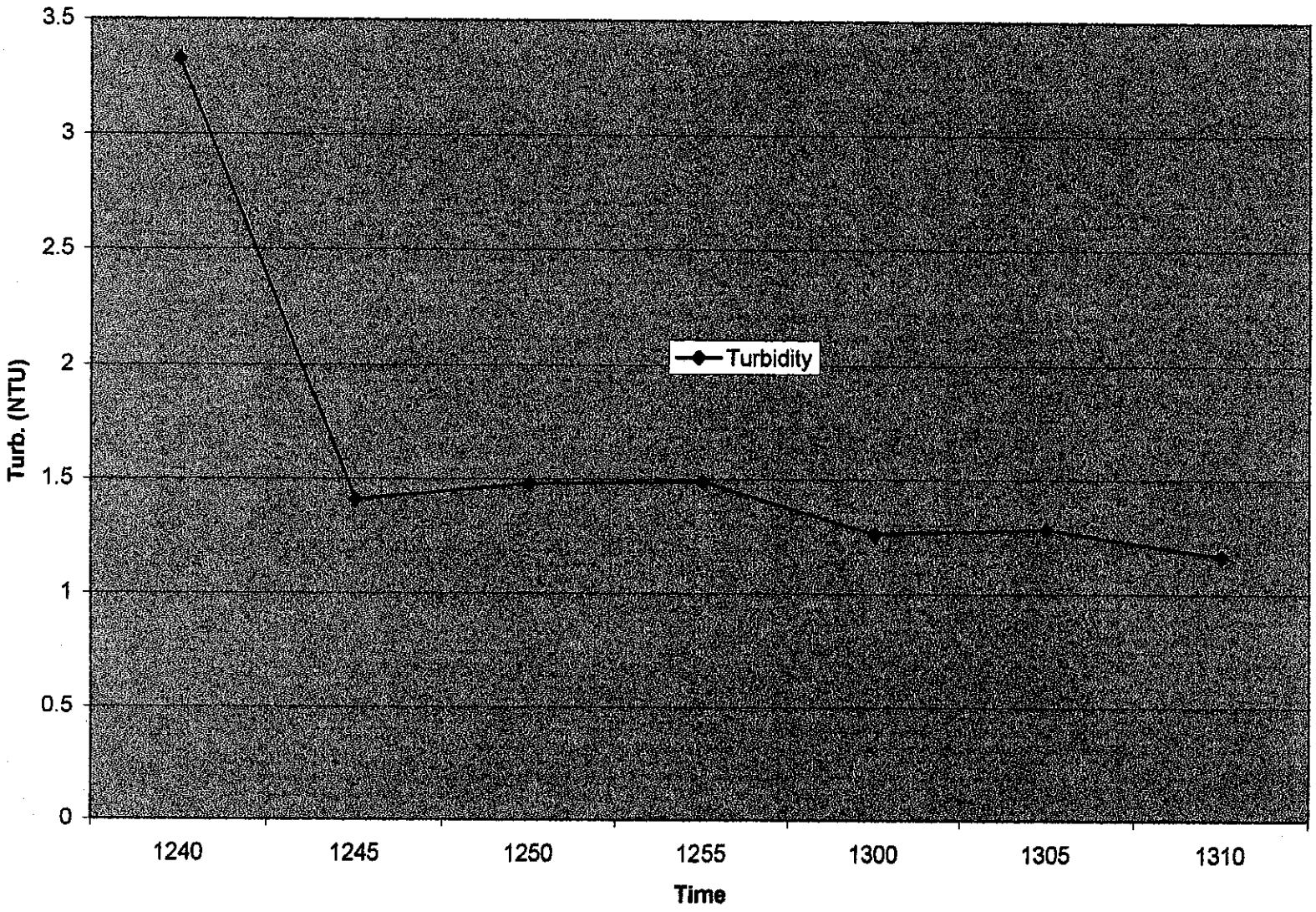
Flow Rate



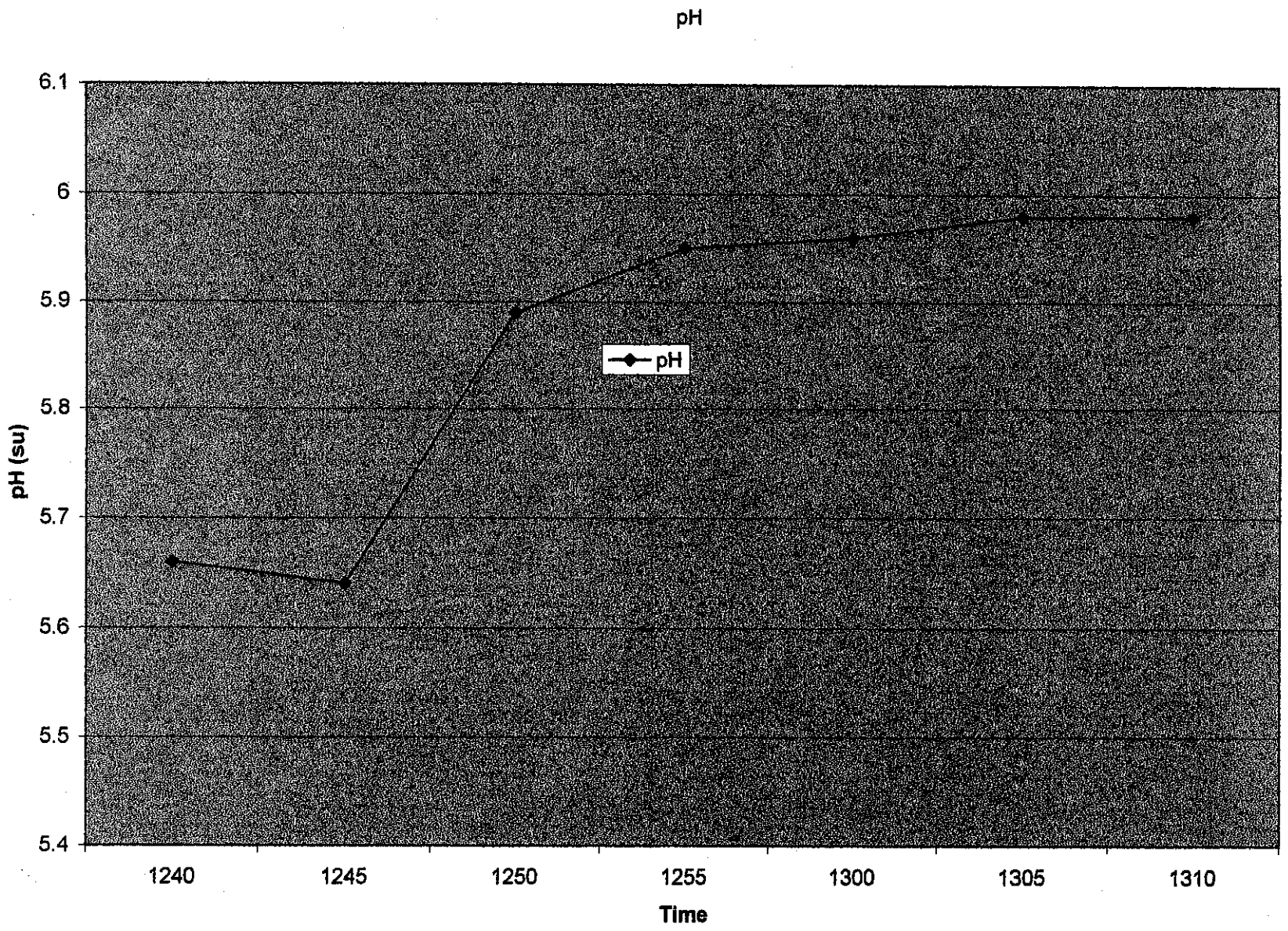
M14MW19
Permit # : 29-32579
08/22/00



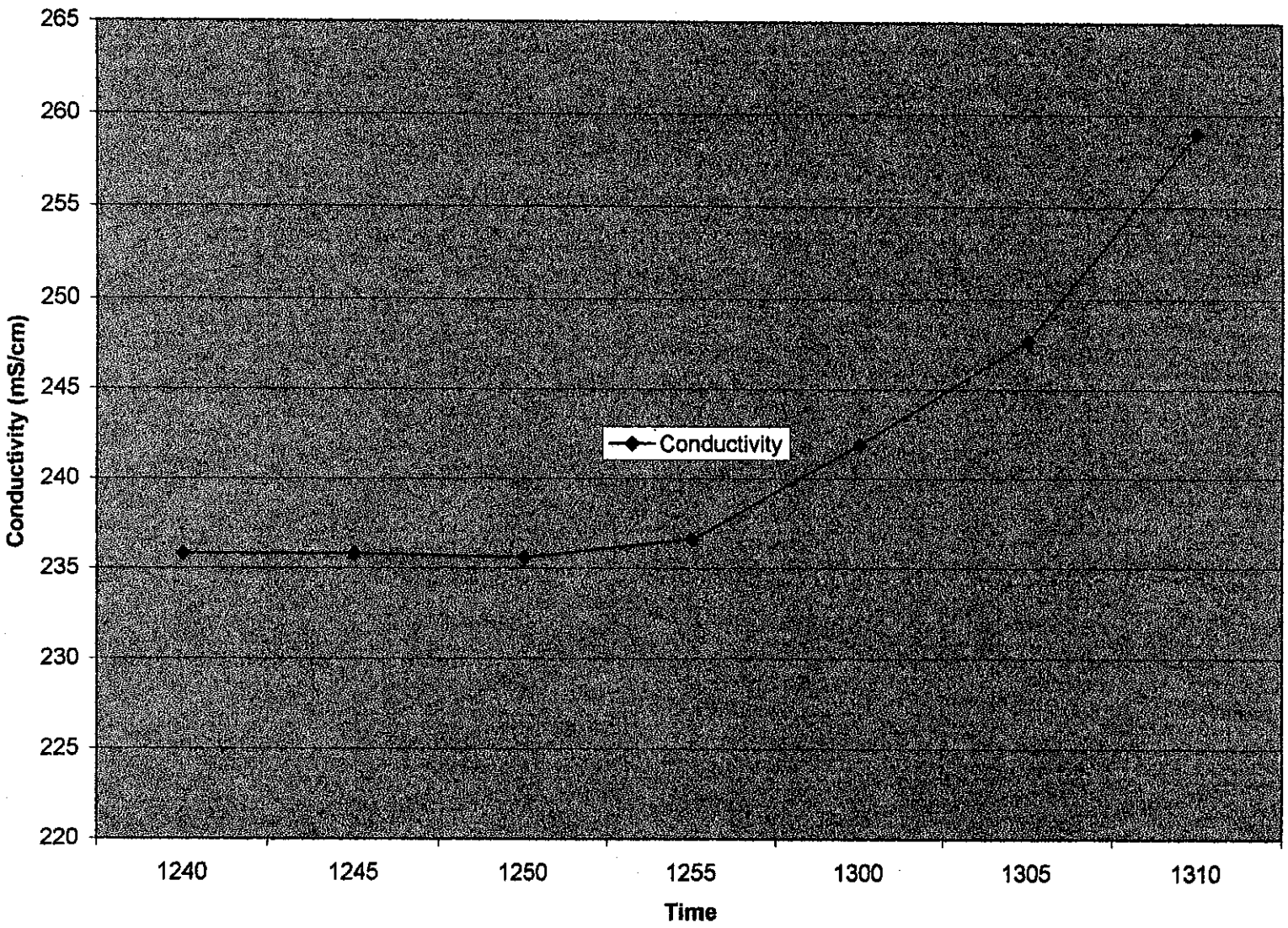
M14MW19
Permit # : 29-32579
08/22/00



M1xxMWxx
Permit # : 29-xxxxx
00/00/00

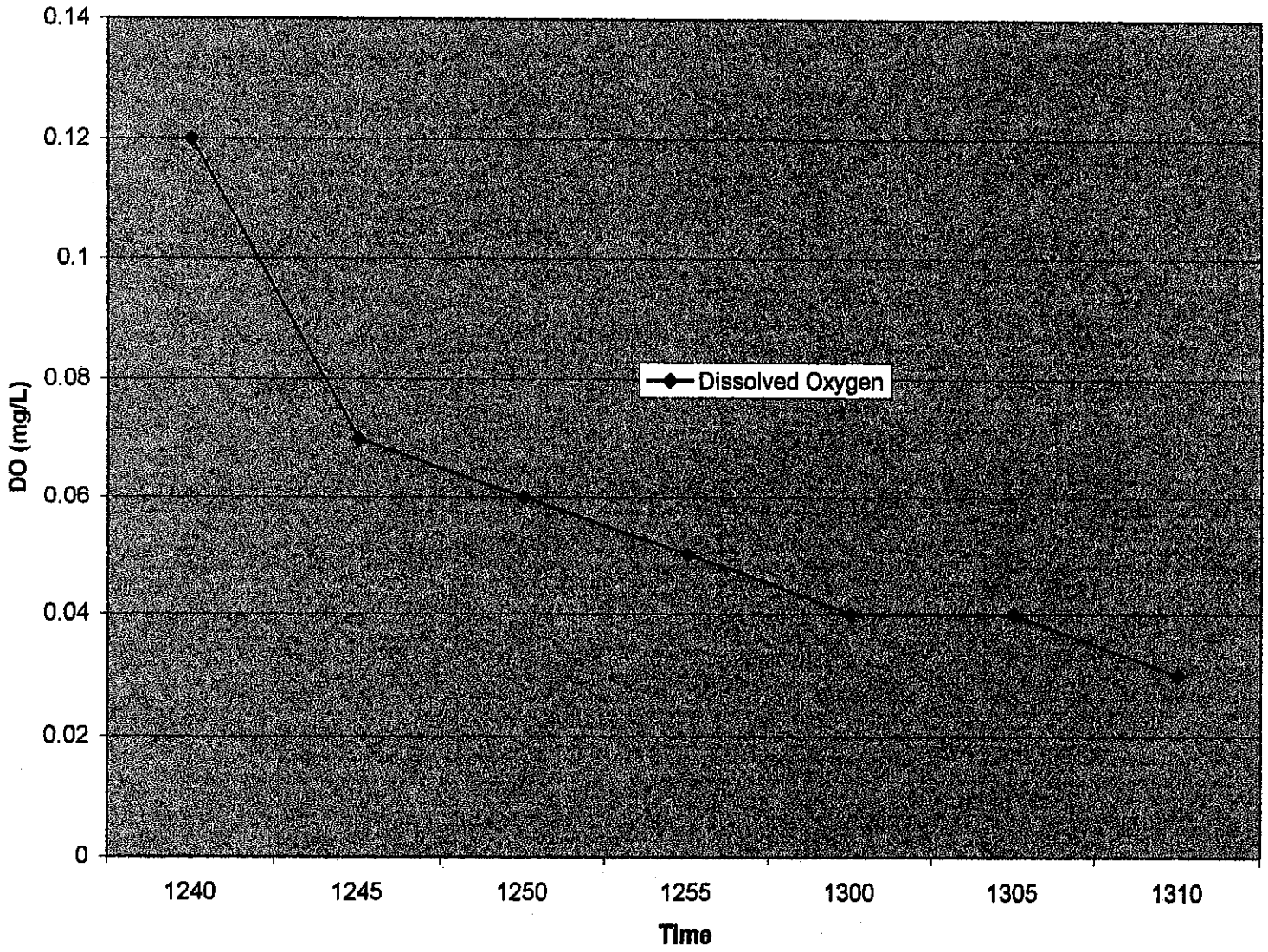


MxxMWxx
Permit # : 29-xxxxx
00/00/00

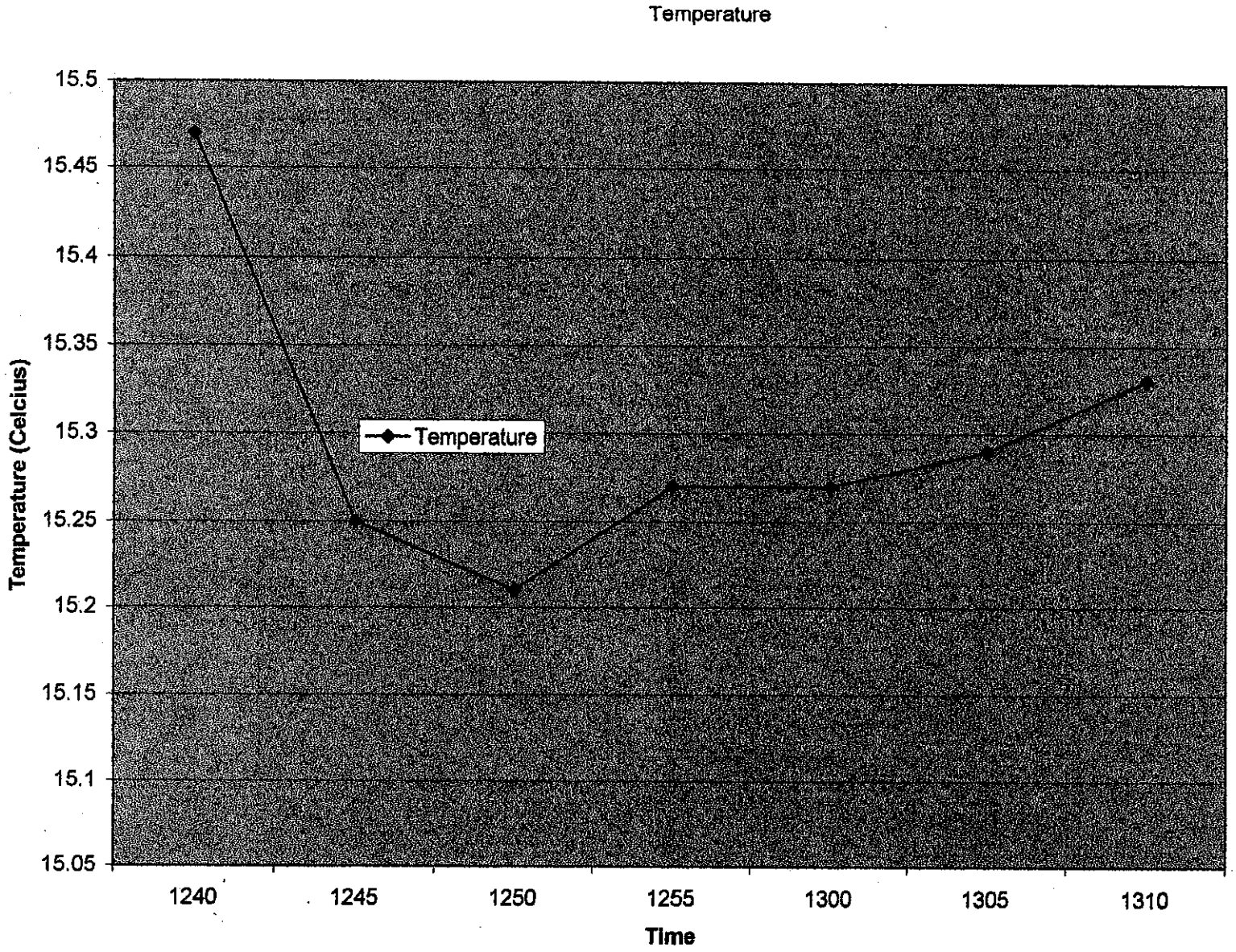


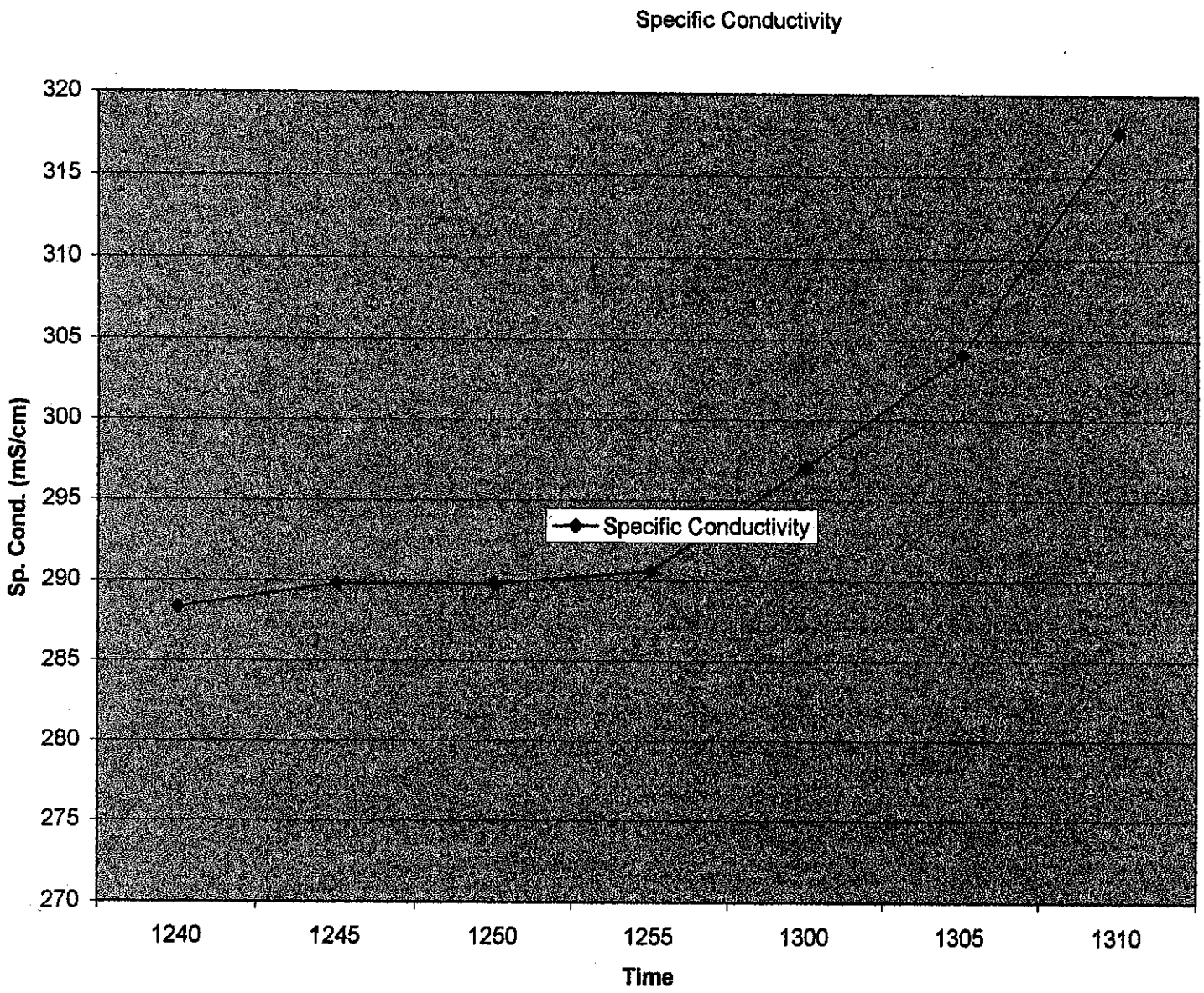
MxxMWxx
Permit # : 29-xxxxx
00/00/00

Dissolved Oxygen



MxxMWxx
Prmit # : 29-xxxxx
00/00/00




Specific Conductivity
320
315
310
305
300
295
290
285
280
275
270
Sp. Cond. (mS/cm)
Specific Conductivity
1240
1245
1250
1255
1300
1305
1310
Time

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14 Landfill
MW#: 0M14MW20
NJDEP ID#29-32577
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Mark Laura
DATE: 08/23/00
WEATHER: Sunny, warm.
TIDE: N/A
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 2.2 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:147.0 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 6.47 ft
Before Purge Start: 6.47 ft **Previous Day: 6.40 ft** **After Sampling: 6.5 ft**
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE:12 ft
TUBING: Food grade Polyethylene 1/4"/Silicon
HEIGHT OF WATER: ft
( ) X .65 / X 3 =
(.65 for 4", .163 for 2")
GALLONS OF H2O TO BE PURGED: Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min): [redacted] 2" REDIFLO 2 GRUNDPHOS SUBMERSIBLE PUMP
Purged at 290 mL/Min or Gal/Min. (ml to gal.: ml(.0002642)=gal)
PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

PURGE START TIME: 09:20
pH 6.19 su
TEMP 15.35 °C
DISSOLVED O_2 0.38 mg/L
SPECIFIC CONDUCTIVITY 205.9 ms/cm

PURGE END TIME: 10:01
pH 6.64 su
TEMP 16.20 °C
DISSOLVED O_2 0.12 mg/L
SPECIFIC CONDUCTIVITY 205.1 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 6.5 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 09:56
pH 6.64 su
TEMP 16.33 °C
DISSOLVED O_2 0.11 mg/L
SPECIFIC CONDUCTIVITY 204.2 ms/cm

SAMPLE END TIME: 10:00
ANALYTES: TAL Metals
COMMENTS:

FIELD READINGS

MW: 0M14MW20
NJDEP ID#: 29-32580
DATE: 8/23/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
9:25	6.19	15.35	167.9	205.9	0.38	2.32	6.67	290	Clear
9:30	6.39	15.46	167.8	205.2	0.24	2.31	6.68	290	Clear
9:35	6.49	15.63	168.8	205.6	0.18	1.56	6.68	290	Clear
9:40	6.57	15.75	168.9	205.2	0.14	1.64	6.68	290	Clear
9:45	6.61	16.01	169.7	204.8	0.13	1.79	6.68	290	Clear
9:50	6.64	16.2	170.6	205.1	0.12	1.52	6.68	290	Clear
9:55	6.64	16.33	170.4	204.2	0.11	1.6	6.68	290	Clear

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
925	2.32	6.67	290
930	2.31	6.68	290
935	1.56	6.68	290
940	1.64	6.68	290
945	1.79	6.68	290
950	1.52	6.68	290
955	1.60	6.68	290

M14mw20

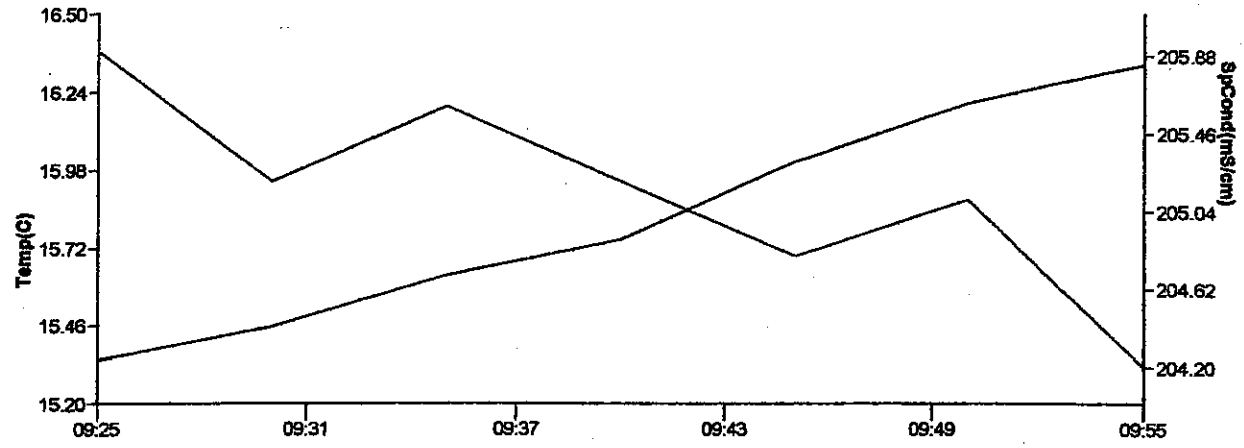
M14MW20 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., Temp
-- Data Report --

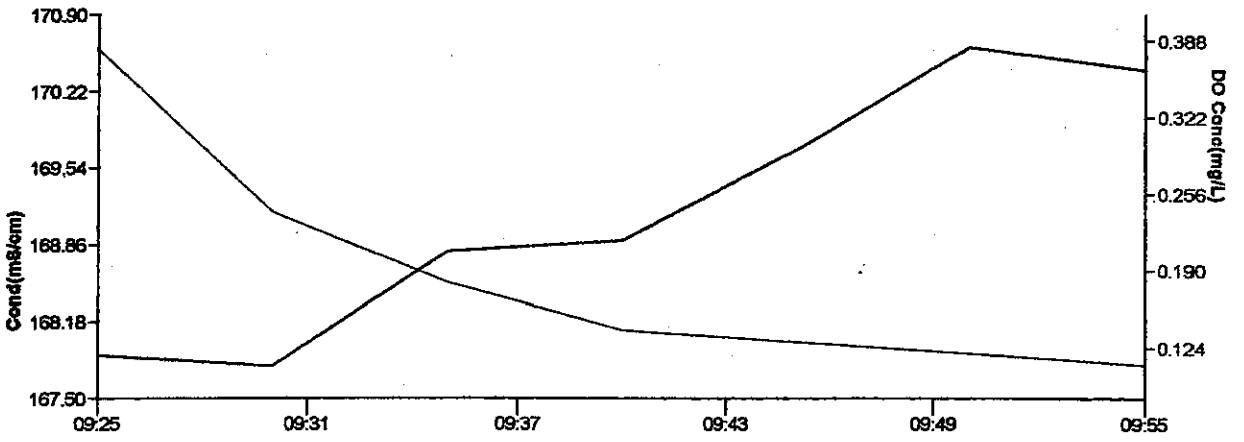
From 08/23/00 09:25 to 08/23/00 09:55
Number of samples: 7

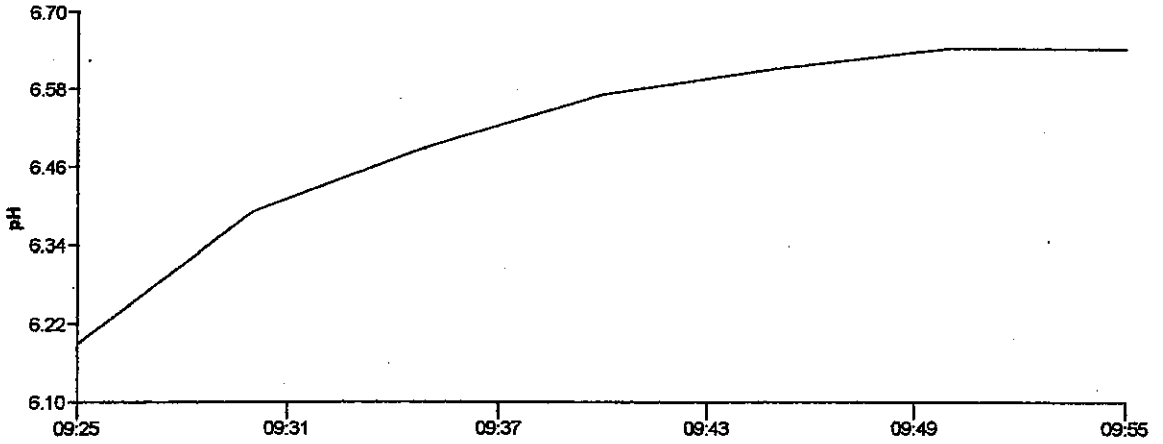
08/23/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
08/23/00 09:25	15.35	205.900	167.900	0.38	6.19
08/23/00 09:30	15.46	205.200	167.800	0.24	6.39
08/23/00 09:35	15.63	205.600	168.800	0.18	6.49
08/23/00 09:40	15.75	205.200	168.900	0.14	6.57
08/23/00 09:45	16.01	204.800	169.700	0.13	6.61
08/23/00 09:50	16.20	205.100	170.600	0.12	6.64
08/23/00 09:55	16.33	204.200	170.400	0.11	6.64

M14MW20 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., Temp



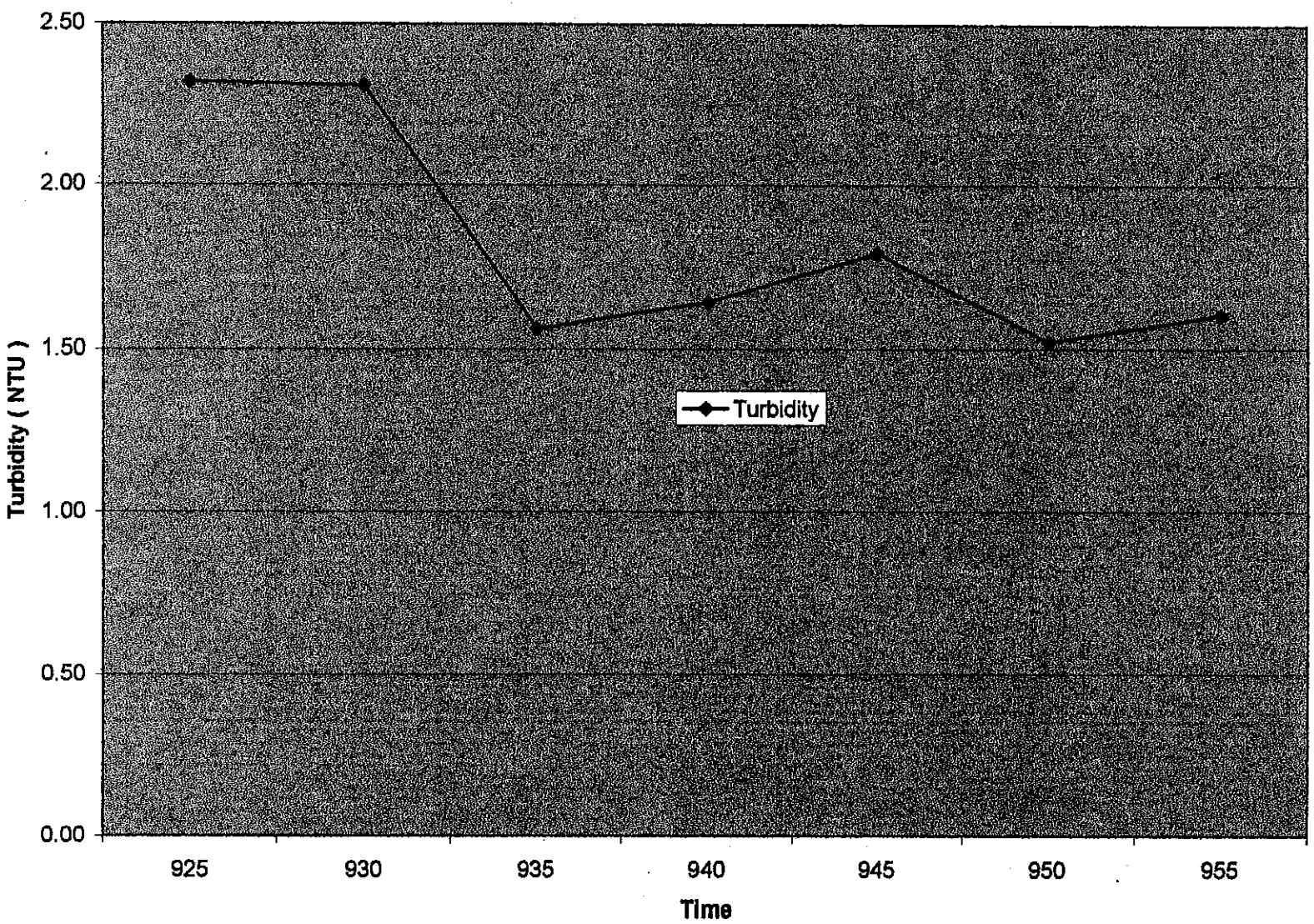




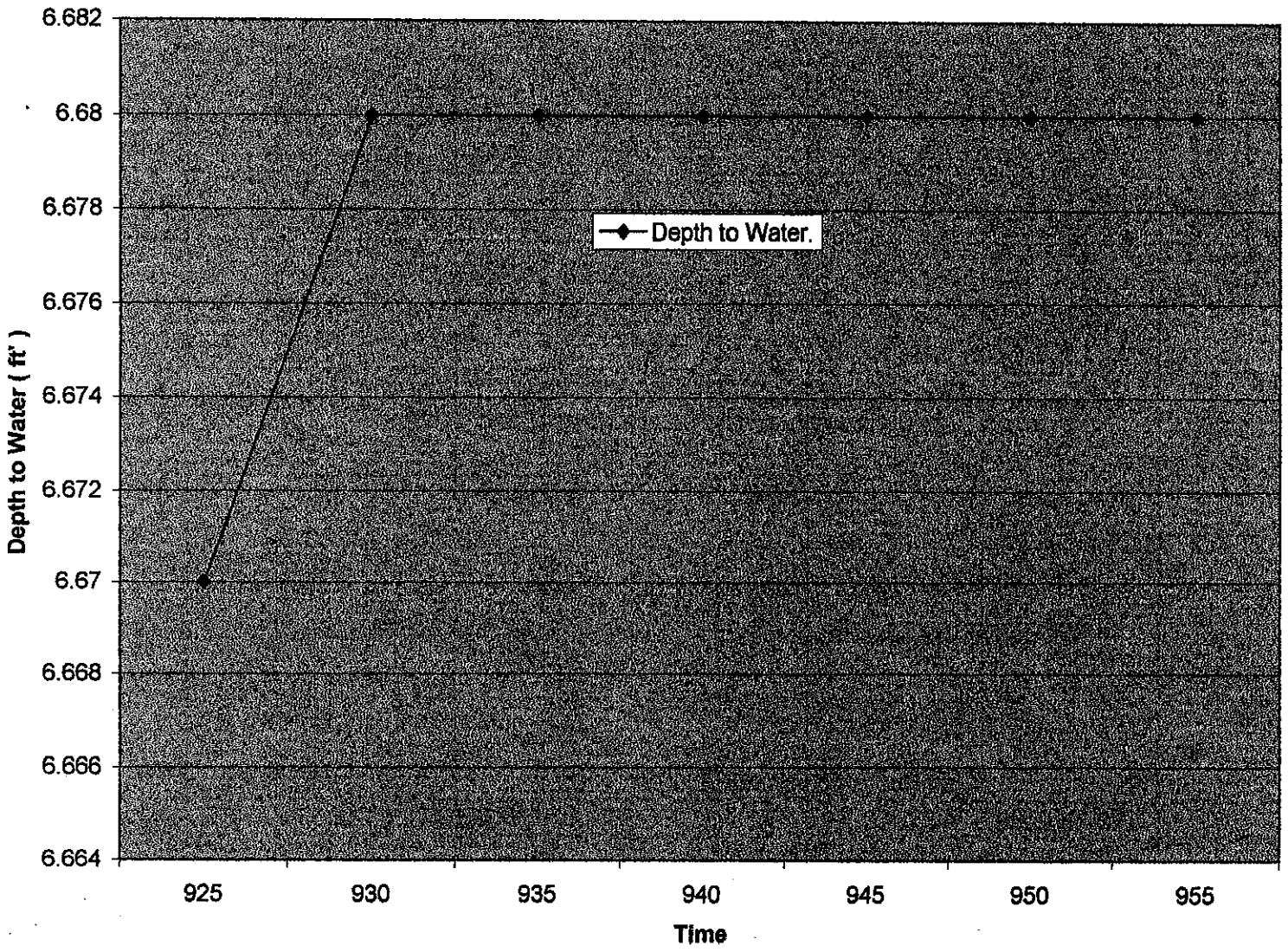
08/23/00 08/23/00 08/23/00 08/23/00 08/23/00 08/23/00

(08/23/00)

M14MW20
Permit #: 29-32577
8/23/00

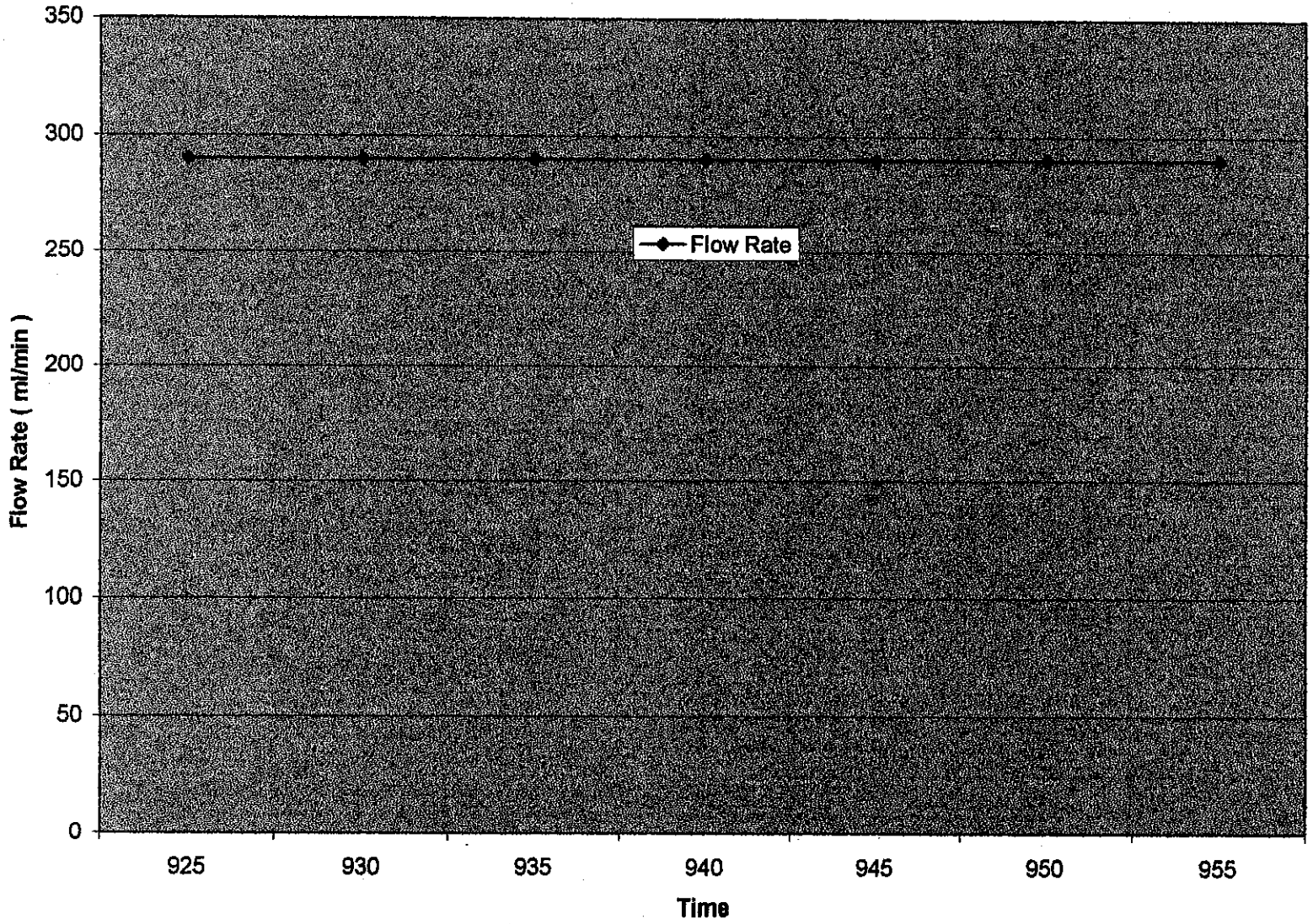


M14MW20
Permit #: 29-32577
8/23/00



M14MW20
Permit #: 29-32577
8/23/00

Flow Rate



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14 Landfill
MW#: 0M14MW21
NJDEP ID#29-32581
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Mark Laura
DATE: 08/23/00
WEATHER: Cloudy, breezy.
TIDE: Low-Outing.
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 2.2 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:147.0 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 7.38 ft
Before Purge Start: 7.38 ft **Previous Day: 7.30 ft** **After Sampling: 7.75 ft**
DEPTH OF WELL: 19.30 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE:17 ft
TUBING: Food grade Polyethylene 1/4"/Silicon
HEIGHT OF WATER: ft
( ) X .65 / X 3 = (.65 for 4", .163 for 2")
GALLONS OF H2O TO BE PURGED: Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min): [redacted] 2" REDIFLO 2 GRUNDPHOS SUBMERSIBLE PUMP
Purged at 300 mL/Min or Gal/Min. (ml to gal.: ml(.0002642)=gal)
PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

PURGE START TIME: 11:30
pH 6.66 su
TEMP 17.61 °C
DISSOLVED O_2 0.28 mg/L
SPECIFIC CONDUCTIVITY 213.2 ms/cm

PURGE END TIME: 12:11
pH 6.62 su
TEMP 17.38 °C
DISSOLVED O_2 0.07 mg/L
SPECIFIC CONDUCTIVITY 215.7 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 7.75 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 12:06
pH 6.62 su
TEMP 17.27 °C
DISSOLVED O_2 0.06 mg/L
SPECIFIC CONDUCTIVITY 215.8 ms/cm

SAMPLE END TIME: 12:10
ANALYTES: TAL Metals
COMMENTS:

FIELD READINGS

MW: 0M14MW21
NJDEP ID#: 29-32581
DATE: 8/23/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
11:30	6.66	17.61	183.1	213.2	0.28	0.95	7.75	300	Clear
11:35	6.52	17.84	185	214.4	0.16	0.84	7.85	300	Clear
11:40	6.58	17.72	183.8	213.6	0.12	0.56	7.85	300	Clear
11:45	6.58	17.7	183.7	213.5	0.1	0.6	7.85	300	Clear
11:50	6.6	17.53	182.9	213.4	0.09	0.18	7.85	300	Clear
11:55	6.61	17.47	183.1	213.8	0.08	0.6	7.85	300	Clear
12:00	6.62	17.38	184.3	215.7	0.07	0.56	7.85	300	Clear
12:05	6.62	17.27	184	215.8	0.06	0.62	7.85	300	Clear

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1130	0.95	7.75	300
1135	0.84	7.85	300
1140	0.56	7.85	300
1145	0.60	7.85	300
1150	0.18	7.85	300
1155	0.60	7.85	300
1200	0.65	7.85	300
1205	0.62	7.85	300

M14mw21

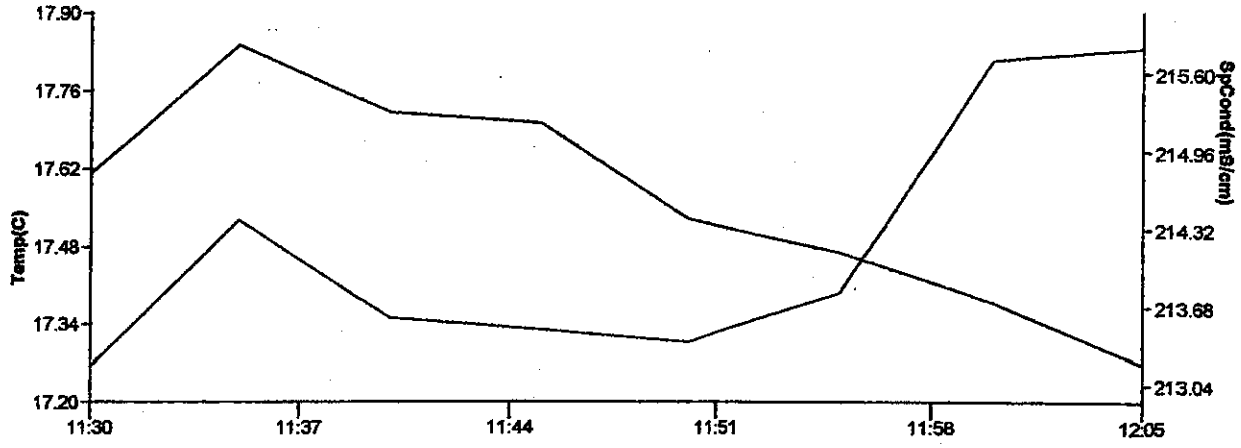
M14MW21 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

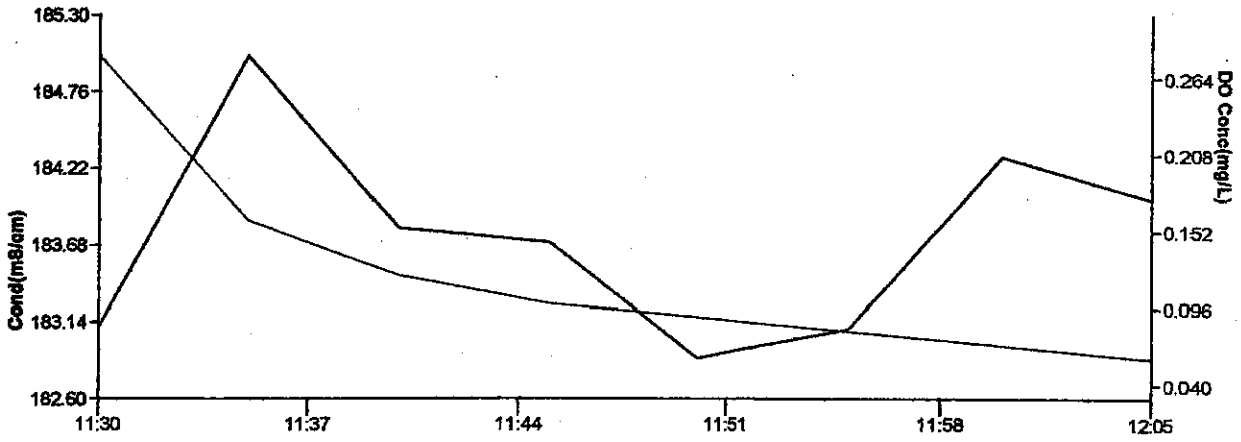
From 08/23/00 11:30 to 08/23/00 12:05
Number of samples: 8

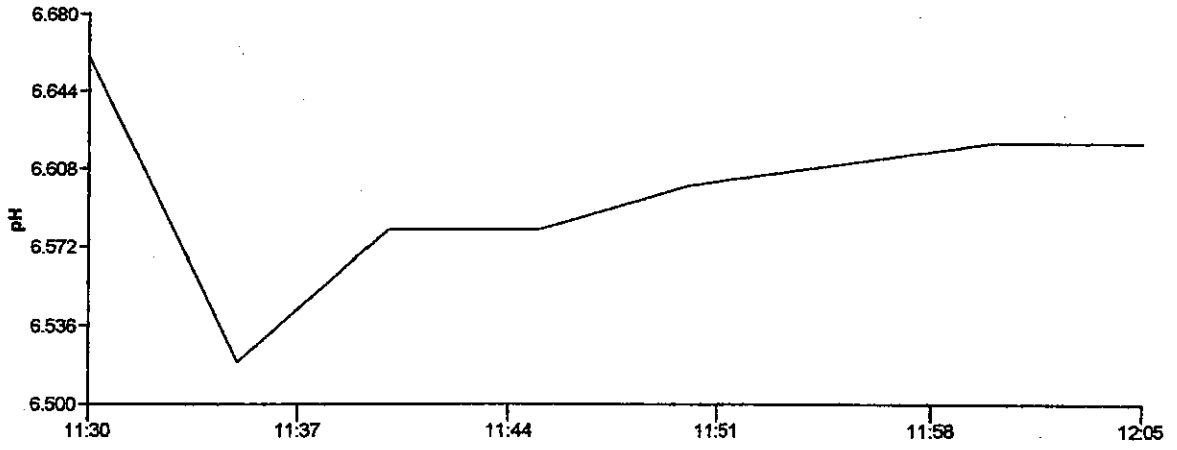
08/24/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
08/23/00 11:30	17.61	213.200	183.100	0.28	6.66
08/23/00 11:35	17.84	214.400	185.000	0.16	6.52
08/23/00 11:40	17.72	213.600	183.800	0.12	6.58
08/23/00 11:45	17.70	213.500	183.700	0.10	6.58
08/23/00 11:50	17.53	213.400	182.900	0.09	6.60
08/23/00 11:55	17.47	213.800	183.100	0.08	6.61
08/23/00 12:00	17.38	215.700	184.300	0.07	6.62
08/23/00 12:05	17.27	215.800	184.000	0.06	6.62

M14MW21 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH





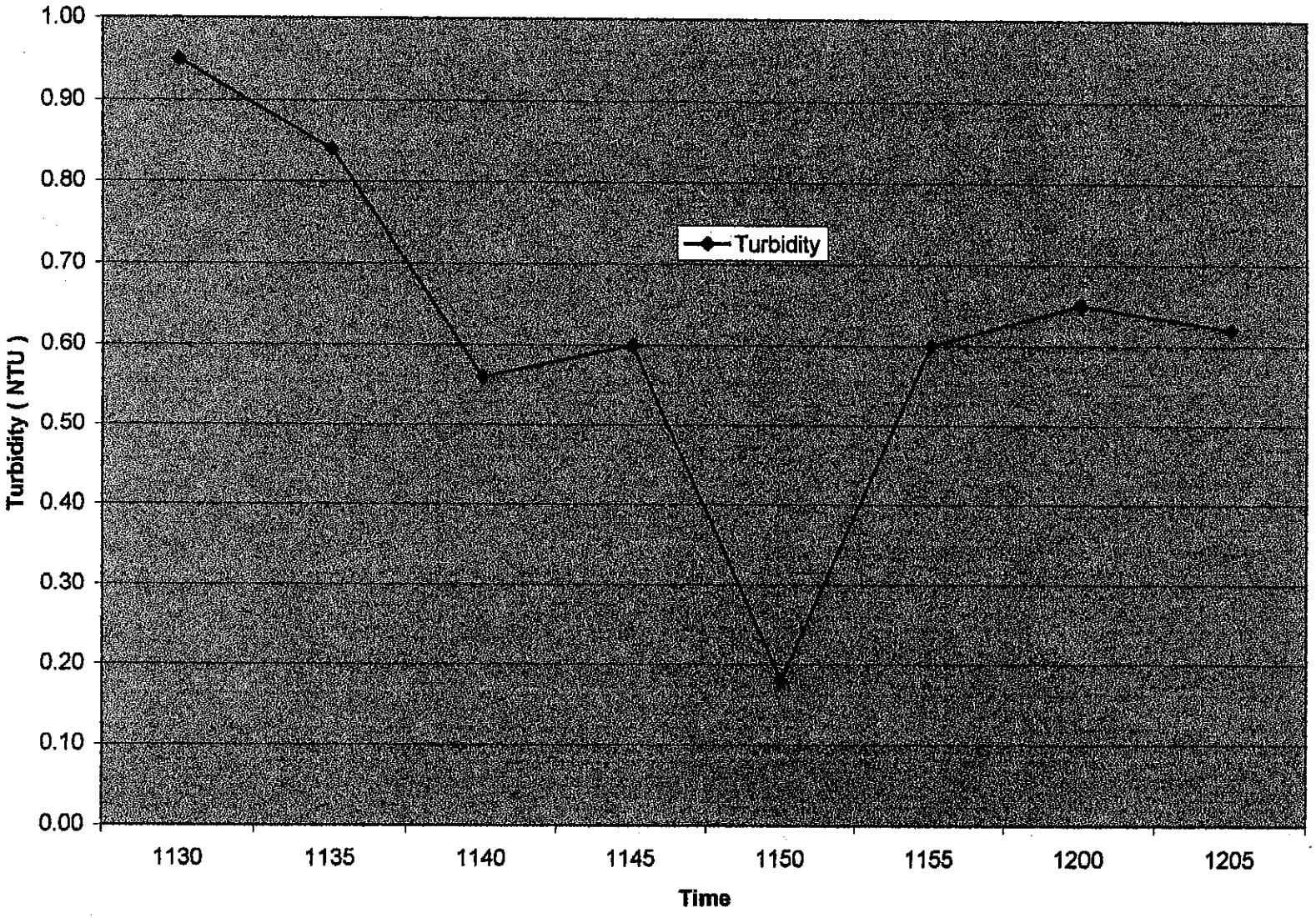


08/23/00 08/23/00 08/23/00 08/23/00 08/23/00 08/23/00

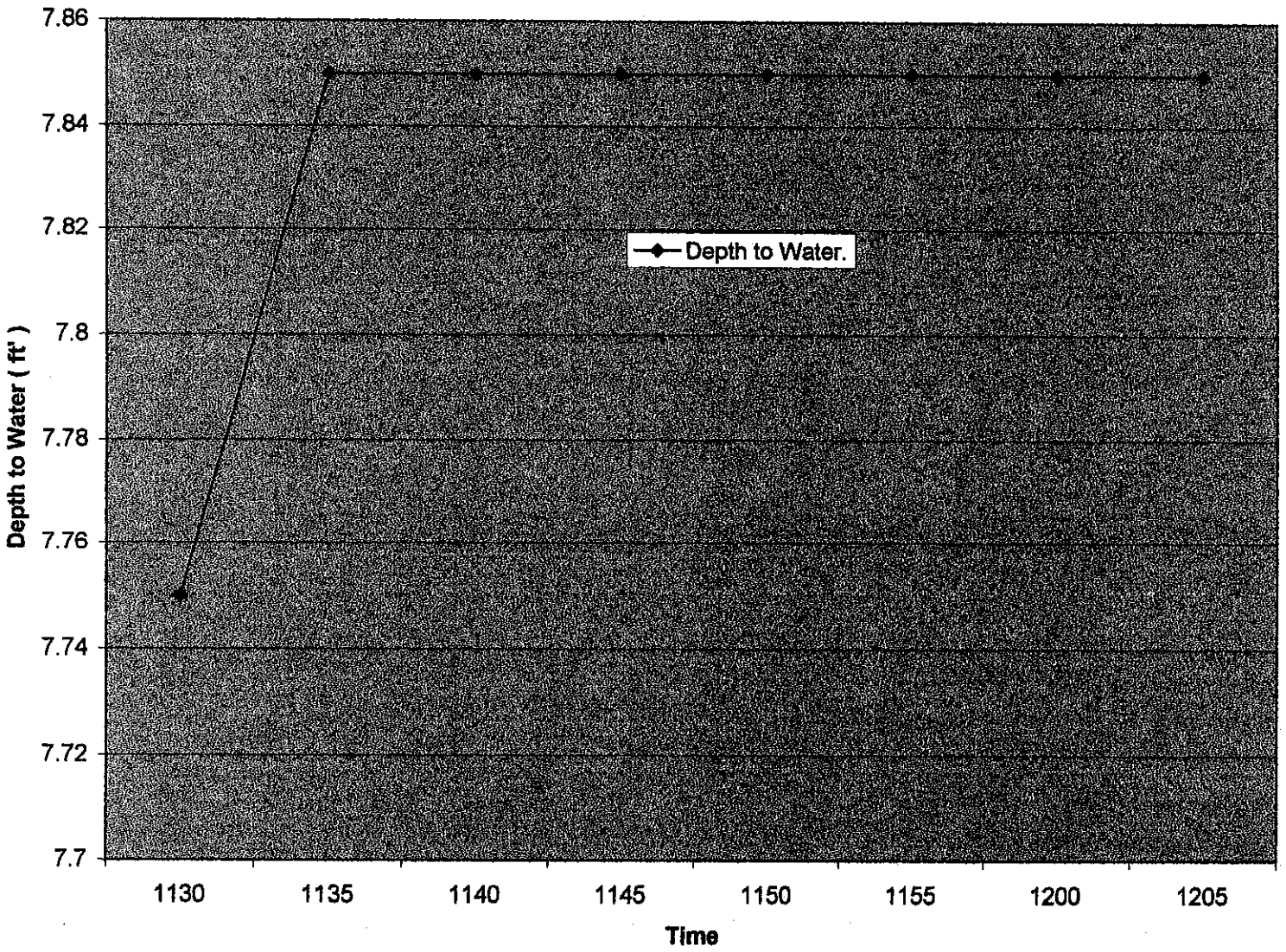
(08/24/00)

M14MW21
Permit #: 29-32578
8/23/00

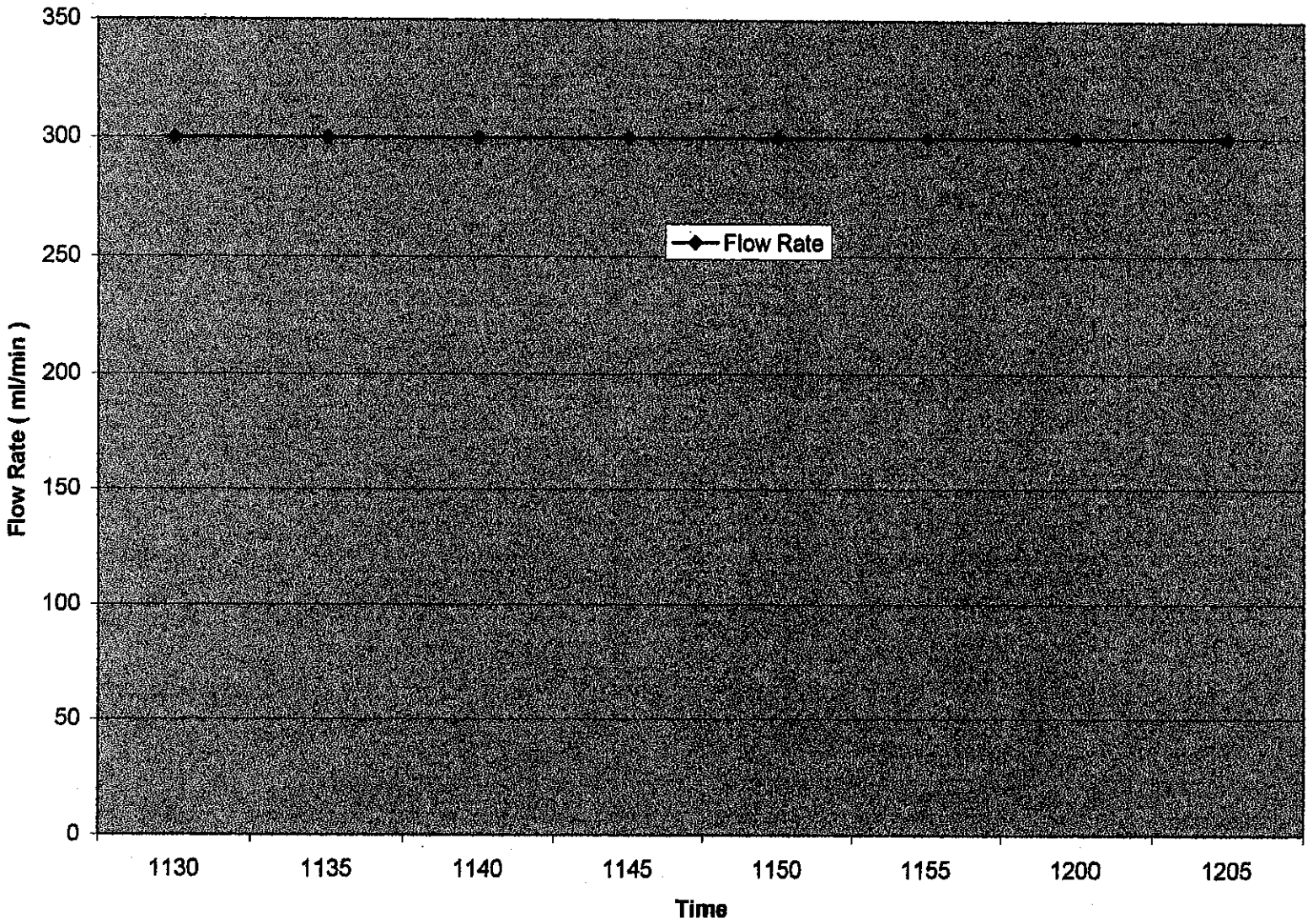
Turbidity



M14MW21
Permit #: 29-32578
8/23/00



M14MW21
Permit #: 29-32578
8/23/00



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14 Landfill
MW#: 0M14MW22
NJDEP ID#29-41787
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Mark Laura
DATE: 08/22/00
WEATHER: Sunny, warm.
TIDE: Low
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 2.2 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:147.0 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 3.45ft
Before Purge Start: 3.45 ft **Previous Day: 3.42 ft** **After Sampling: 3.94 ft**
DEPTH OF WELL: 20.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE:16 ft
HEIGHT OF WATER: ft
( ) X .65 / X 3 =
GALLONS OF H2O TO BE PURGED: Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min): [redacted] 2" REDIFLO 2 GRUNDPHOS SUBMERSIBLE PUMP
Purged at 290 mL/Min or Gal/Min. (ml to gal.: ml(.0002642)=gal)

TUBING: Food grade Polyethylene 1/4"/Silicon
(.65 for 4", .163 for 2")

PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

PURGE START TIME: 13:45
pH 6.85 su
DISSOLVED O_2 0.01 mg/L
TEMP 15.55 °C
SPECIFIC CONDUCTIVITY 443.8 ms/cm

PURGE END TIME: 14:36
pH 7.21 su
DISSOLVED O_2 0.00 mg/L
TEMP 15.40 °C
SPECIFIC CONDUCTIVITY 443.2 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 3.94 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 14:31
pH 7.22 su
DISSOLVED O_2 0.00 mg/L
TEMP 15.30 °C
SPECIFIC CONDUCTIVITY 442.4 ms/cm

SAMPLE END TIME: 14:35
ANALYTES: TAL Metals
COMMENTS:

FIELD READINGS

MW: 0M14MW22
NJDEP ID#: 29-41787
DATE: 8/22/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
13:50	6.85	15.55	363.6	443.8	0.01	0.52	4	290	Clear
13:55	6.98	5.55	363.5	443.6	0.01	0.35	4.1	290	Clear
14:00	7.07	15.47	363.3	444.2	0.01	0.32	4.1	290	Clear
14:05	7.11	15.51	363.1	443.5	0.01	0.27	4.1	290	Clear
14:10	7.15	15.4	362.8	444.3	0.01	0.26	4.1	290	Clear
14:15	7.16	15.37	362.2	443.8	0.00	0.26	4.1	290	Clear
14:20	7.16	15.44	361.7	442.5	0.00	0.27	4.1	290	Clear
14:25	7.21	15.4	361.9	443.2	0.00	0.27	4.1	290	Clear
14:30	7.22	15.3	360.5	442.4	0.00	0.26	4.1	290	Clear

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1350	0.52	4	290
1355	0.35	4.1	290
1400	0.32	4.1	290
1405	0.27	4.1	290
1410	0.26	4.1	290
1415	0.26	4.1	290
1420	0.27	4.1	290
1425	0.27	4.1	290
1430	0.26	4.1	290

M14mw22

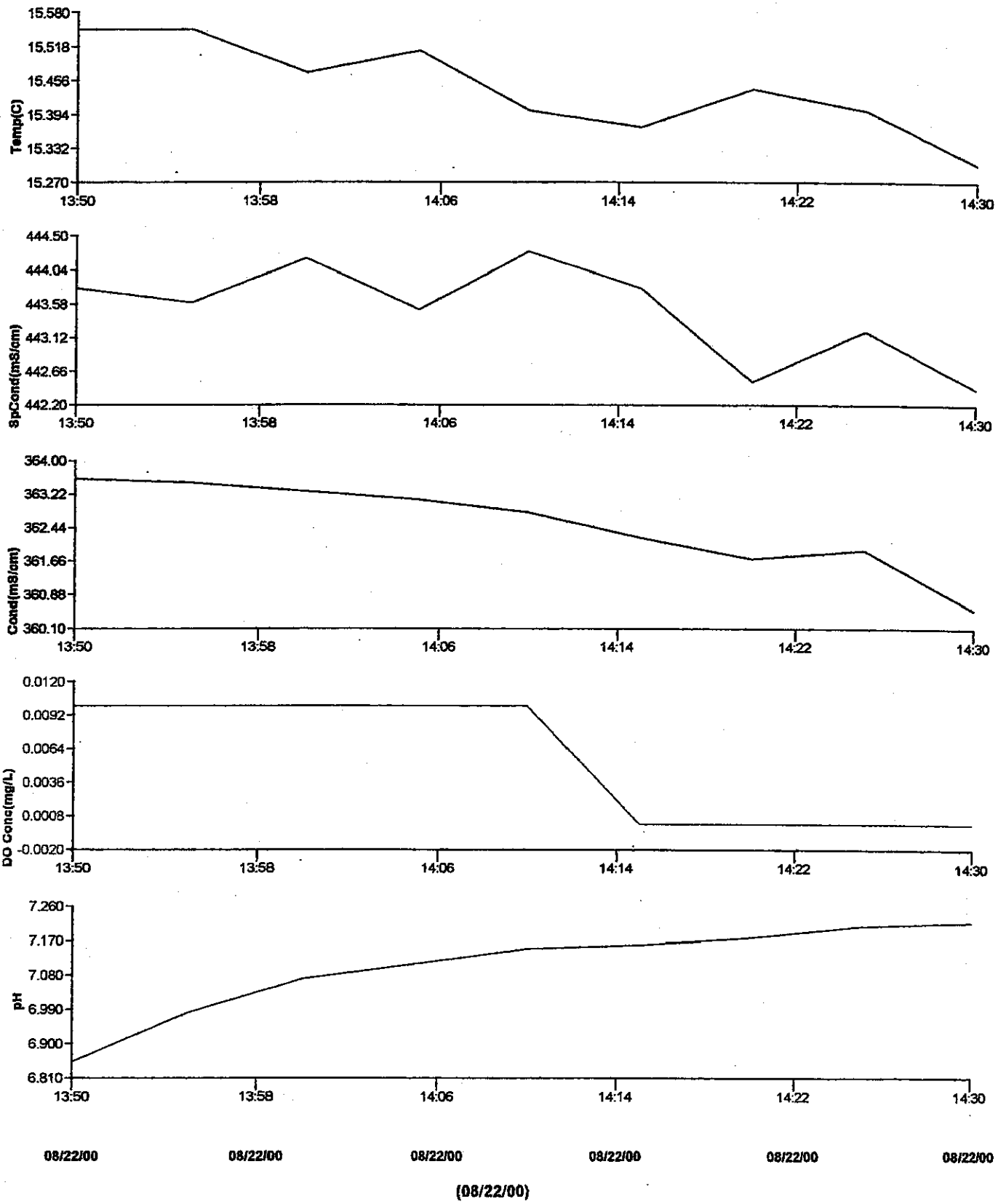
M14MW22 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

From 08/22/00 13:50 to 08/22/00 14:30
Number of samples: 9

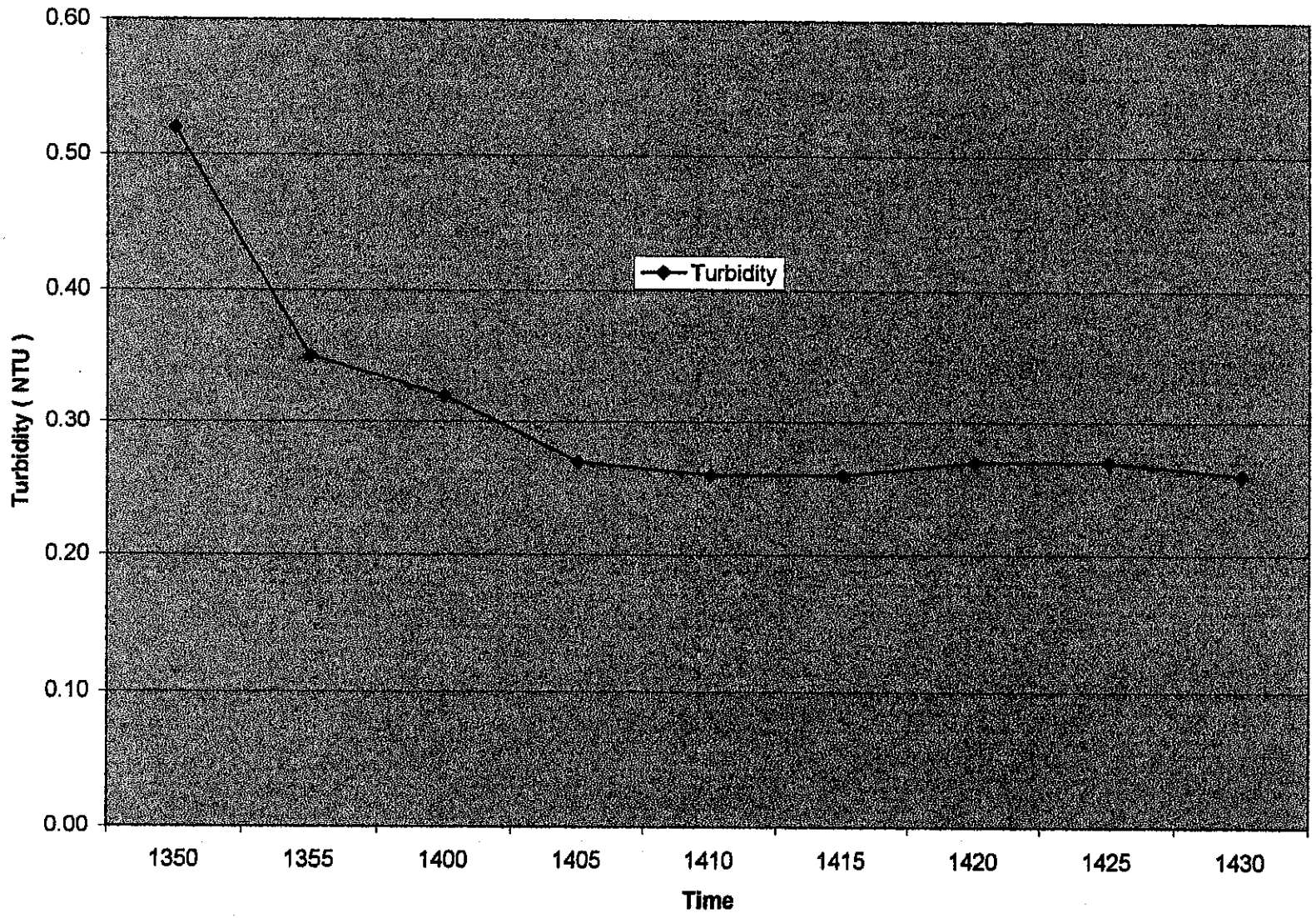
08/22/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
08/22/00 13:50	15.55	443.800	363.600	0.01	6.85
08/22/00 13:55	15.55	443.600	363.500	0.01	6.98
08/22/00 14:00	15.47	444.200	363.300	0.01	7.07
08/22/00 14:05	15.51	443.500	363.100	0.01	7.11
08/22/00 14:10	15.40	444.300	362.800	0.01	7.15
08/22/00 14:15	15.37	443.800	362.200	0.00	7.16
08/22/00 14:20	15.44	442.500	361.700	0.00	7.18
08/22/00 14:25	15.40	443.200	361.900	0.00	7.21
08/22/00 14:30	15.30	442.400	360.500	0.00	7.22

M14MW22 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH

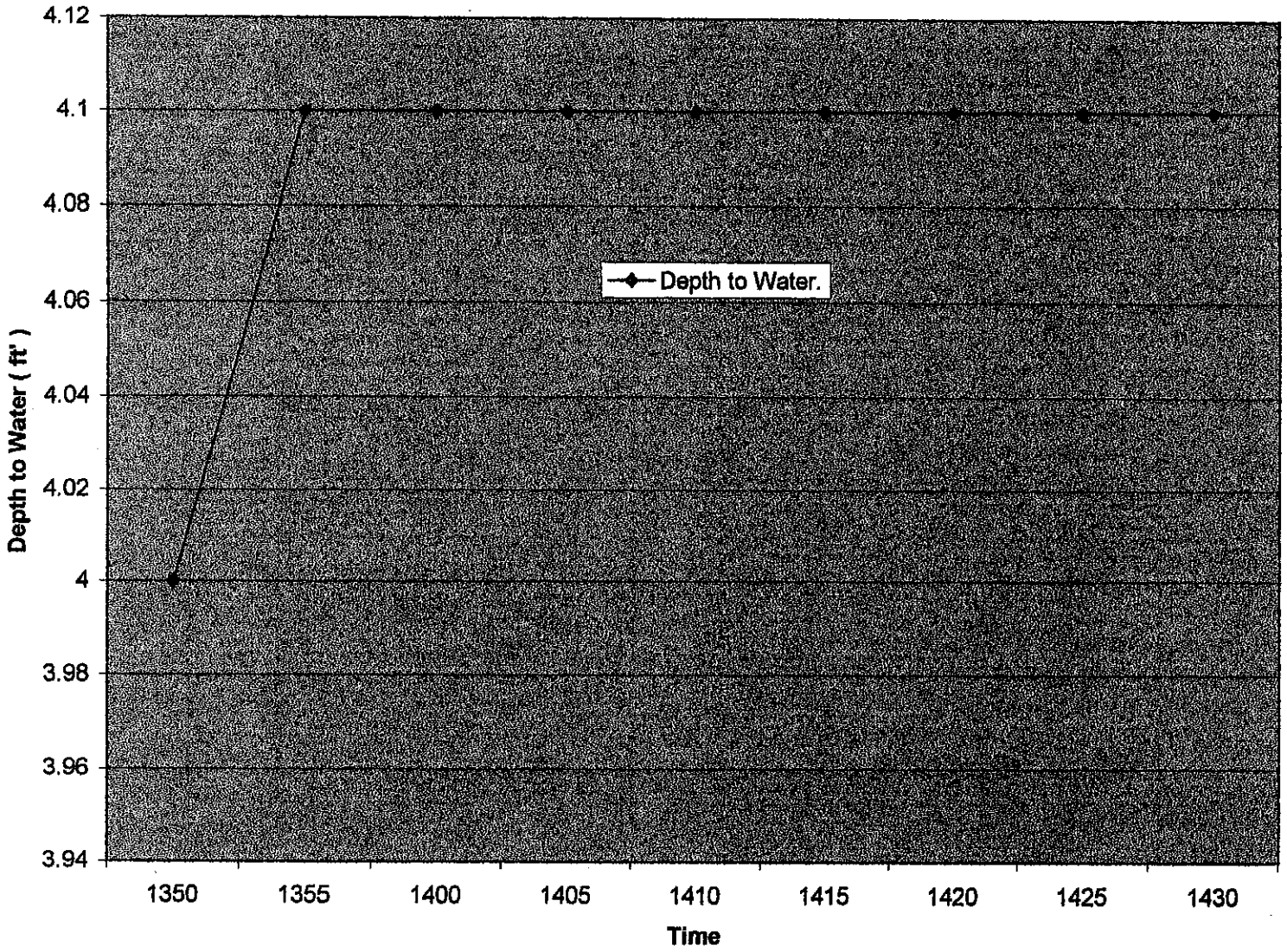


M14MW22
Permit #: 29-41787
8/22/00

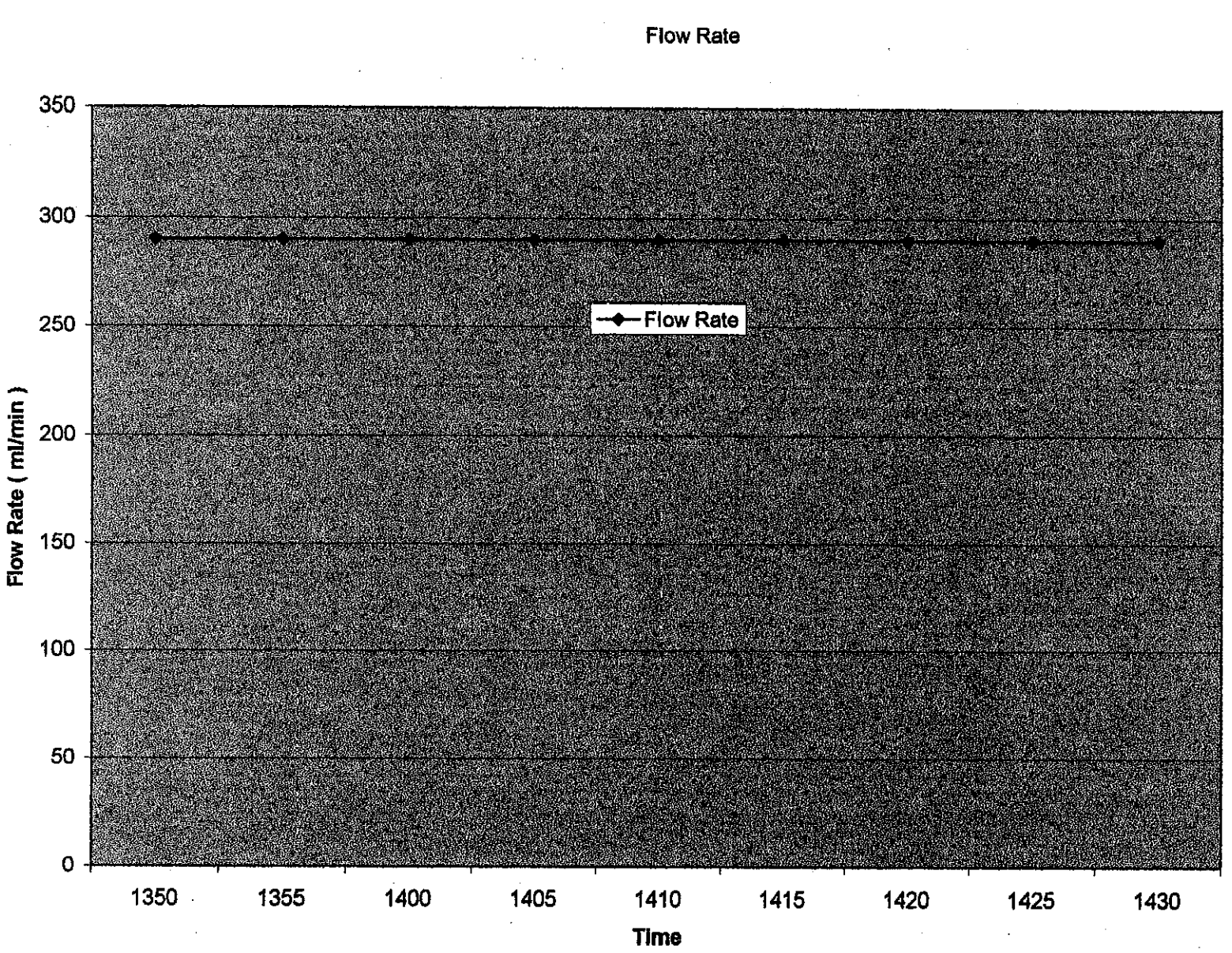


M14MW22
Permit #: 29-41787
8/22/00

Depth to Water.



M14MW22
Permit #: 29-41787
8/25/00



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14 Landfill
MW#: 0M14MW23
NJDEP ID#29-41786
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Mark Laura
DATE: 08/23/00
WEATHER: Sunny, warm.
TIDE: Low-Outing.
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 2.2 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:147.0 μ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 6.9 ft
Before Purge Start: 6.9 ft **Previous Day: 6.32 ft** **After Sampling: 7.0 ft**
DEPTH OF WELL: 21.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE:17 ft
TUBING: Food grade Polyethylene 1/4"/Silicon
HEIGHT OF WATER: ft
( ) X .65 / X 3 =
(.65 for 4", .163 for 2")
GALLONS OF H2O TO BE PURGED: Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min): PERISTALTIC/ 2" REDIFLO 2 GRUNDFOS SUBMERSIBLE PUMP
Purged at 330 mL/Min or Gal/Min. (ml to gal.: ml(.0002642)=gal)
PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

PURGE START TIME: 10:25
pH 6.44 su
TEMP 16.76 °C
DISSOLVED O_2 0.20 mg/L
SPECIFIC CONDUCTIVITY 238.7 ms/cm

PURGE END TIME: 11:11
pH 6.60 su
TEMP 17.16 °C
DISSOLVED O_2 0.07 mg/L
SPECIFIC CONDUCTIVITY 233.9 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 7.0 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 11:06
pH 6.60 su
TEMP 17.26 °C
DISSOLVED O_2 0.06 mg/L
SPECIFIC CONDUCTIVITY 233.9 ms/cm

SAMPLE END TIME: 11:10
ANALYTES: TAL Metals
COMMENTS:

FIELD READINGS

MW: 0M14MW23
NJDEP ID#: 29-41786
DATE: 8/23/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
10:30	6.44	16.76	363.6	238.7	0.2	1.2	7.1	330	Clear
10:35	6.47	16.75	363.5	238	0.15	1.38	7.2	330	Clear
10:40	6.51	16.75	363.3	235.7	0.11	0.71	7.2	330	Clear
10:45	6.55	16.85	363.1	235.1	0.09	0.49	7.2	330	Clear
10:50	6.58	16.97	362.8	234.4	0.08	0.78	7.2	330	Clear
10:55	6.59	17.04	362.2	234.5	0.08	0.43	7.2	330	Clear
11:00	6.6	17.16	361.7	233.9	0.07	0.47	7.2	330	Clear
11:05	6.6	17.26	360.5	233.4	0.06	0.31	7.2	330	Clear

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1030	1.20	7.1	330
1035	1.38	7.2	330
1040	0.71	7.2	330
1045	0.49	7.2	330
1050	0.78	7.2	330
1055	0.43	7.2	330
1100	0.47	7.2	330
1105	0.31	7.2	330

M14mw23

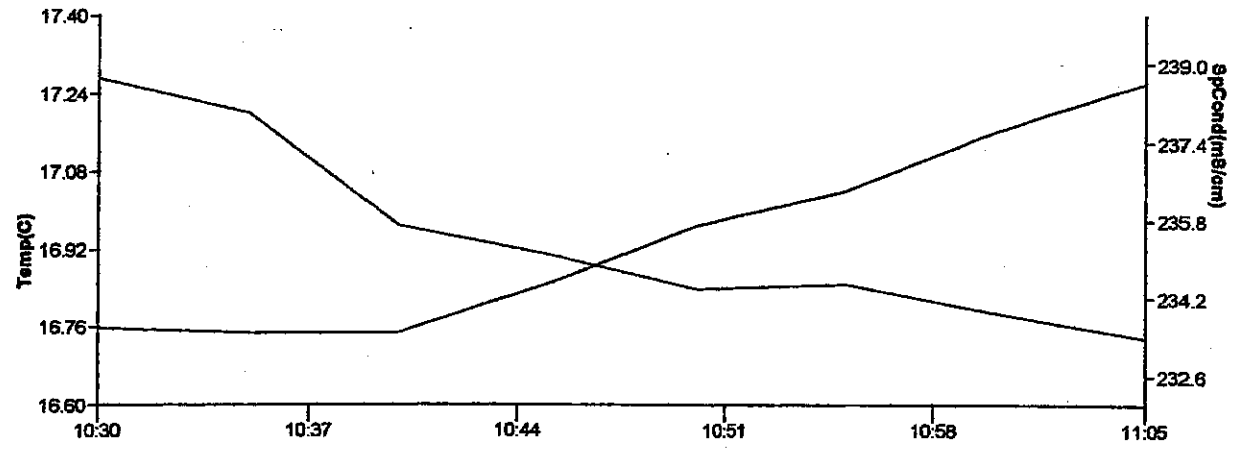
M14MW23 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

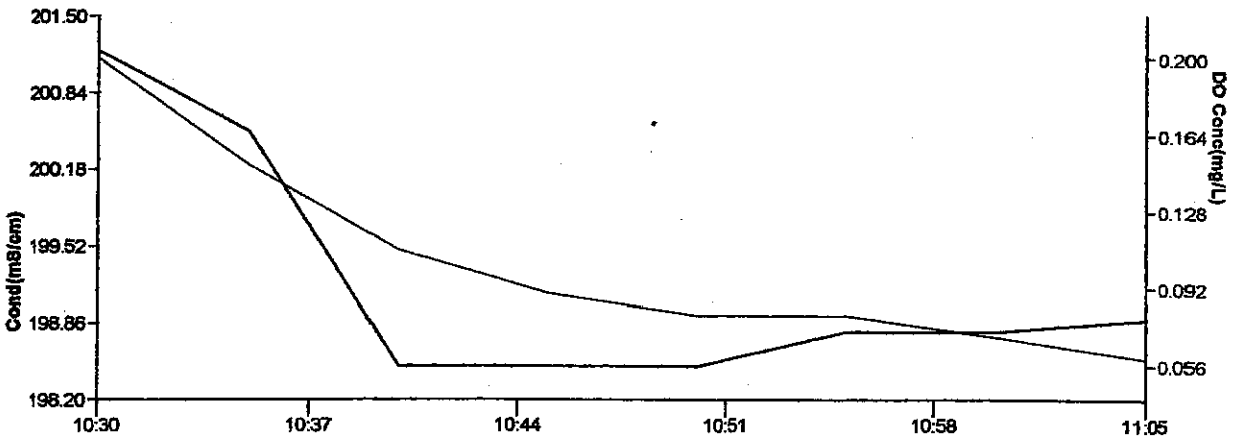
From 08/23/00 10:30 to 08/23/00 11:05
Number of samples: 8

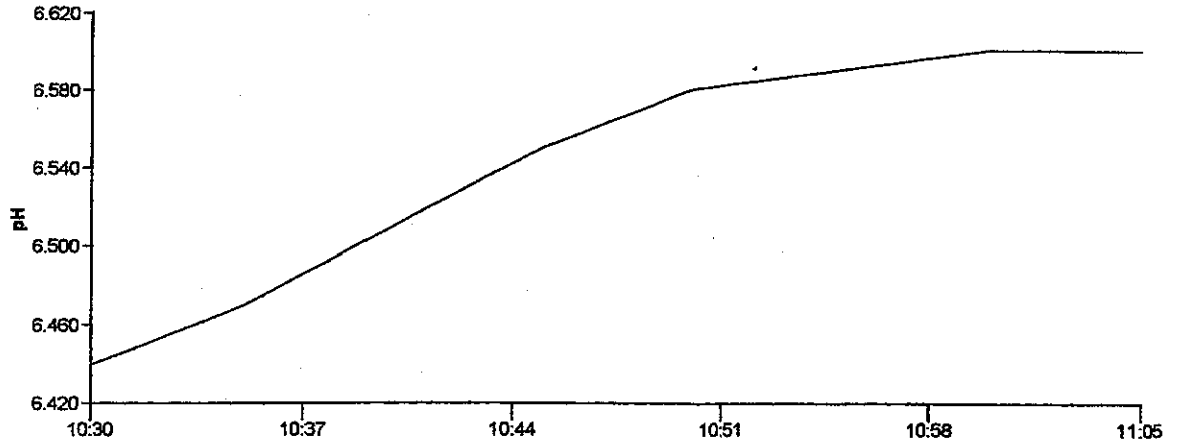
08/23/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
08/23/00 10:30	16.76	238.700	201.200	0.20	6.44
08/23/00 10:35	16.75	238.000	200.500	0.15	6.47
08/23/00 10:40	16.75	235.700	198.500	0.11	6.51
08/23/00 10:45	16.85	235.100	198.500	0.09	6.55
08/23/00 10:50	16.97	234.400	198.500	0.08	6.58
08/23/00 10:55	17.04	234.500	198.800	0.08	6.59
08/23/00 11:00	17.16	233.900	198.800	0.07	6.60
08/23/00 11:05	17.26	233.400	198.900	0.06	6.60

M14MW23 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH





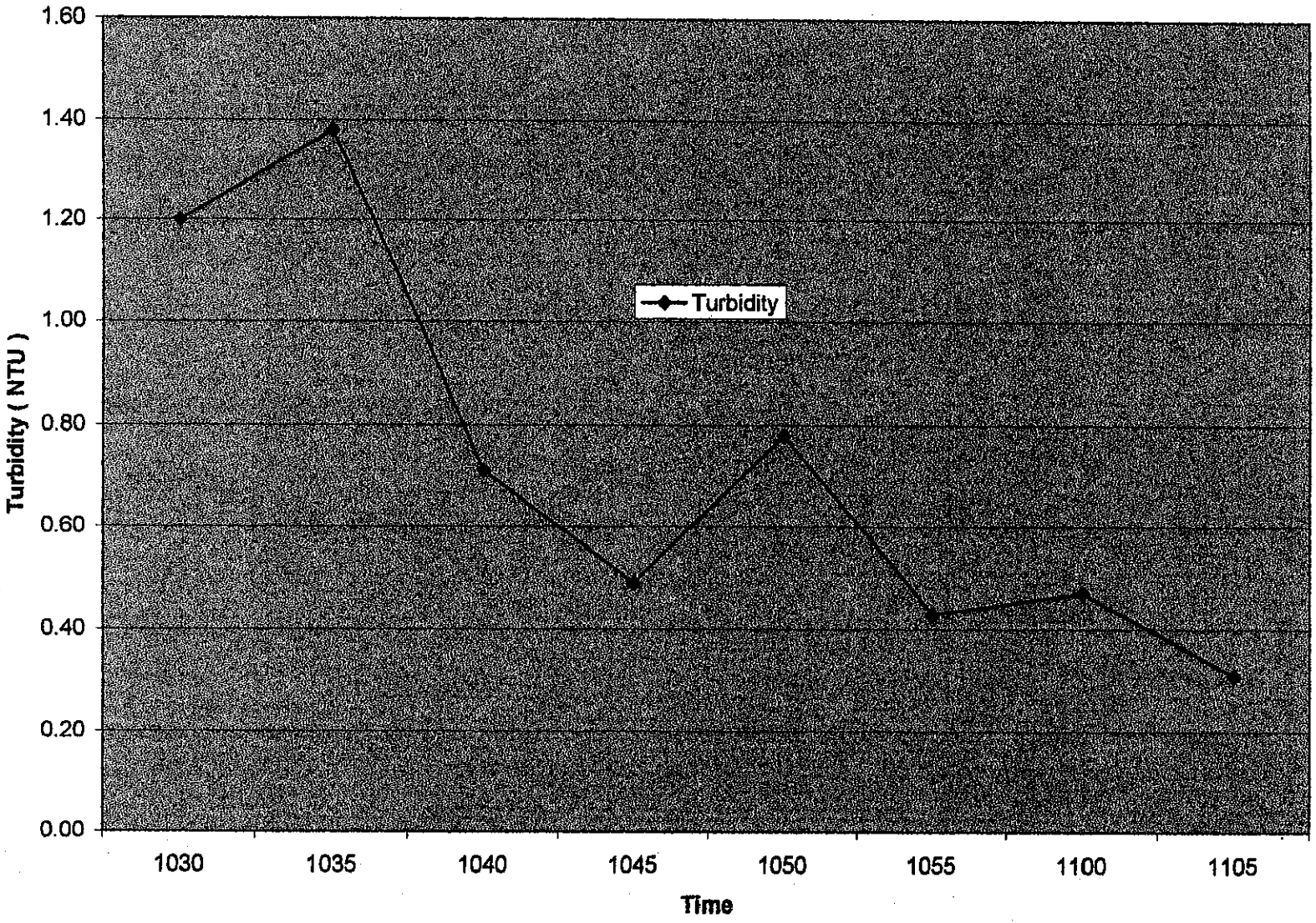


08/23/00 08/23/00 08/23/00 08/23/00 08/23/00 08/23/00

(08/23/00)

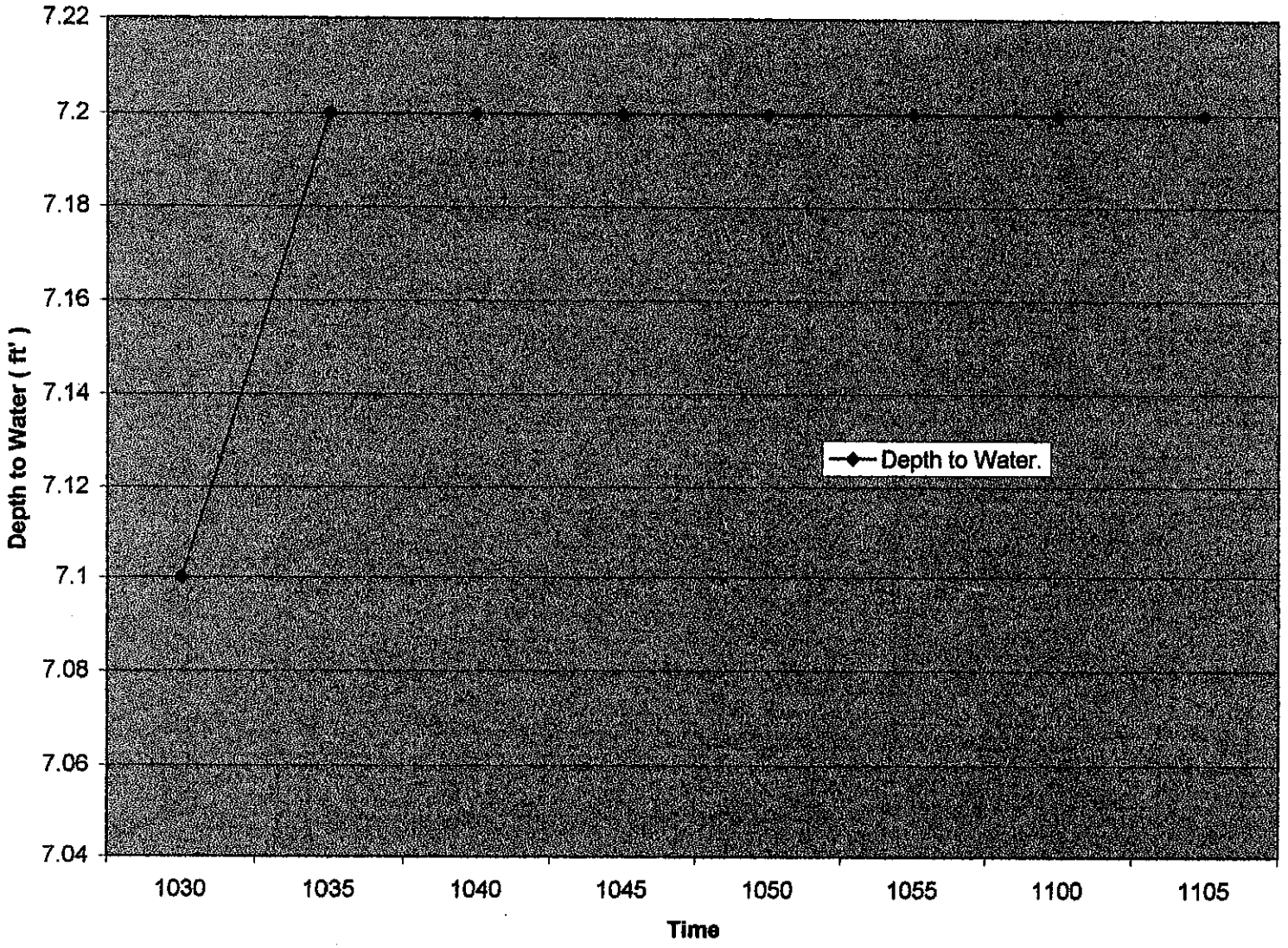
M14MW23
Permit #: 29-41786
8/23/00

Turbidity



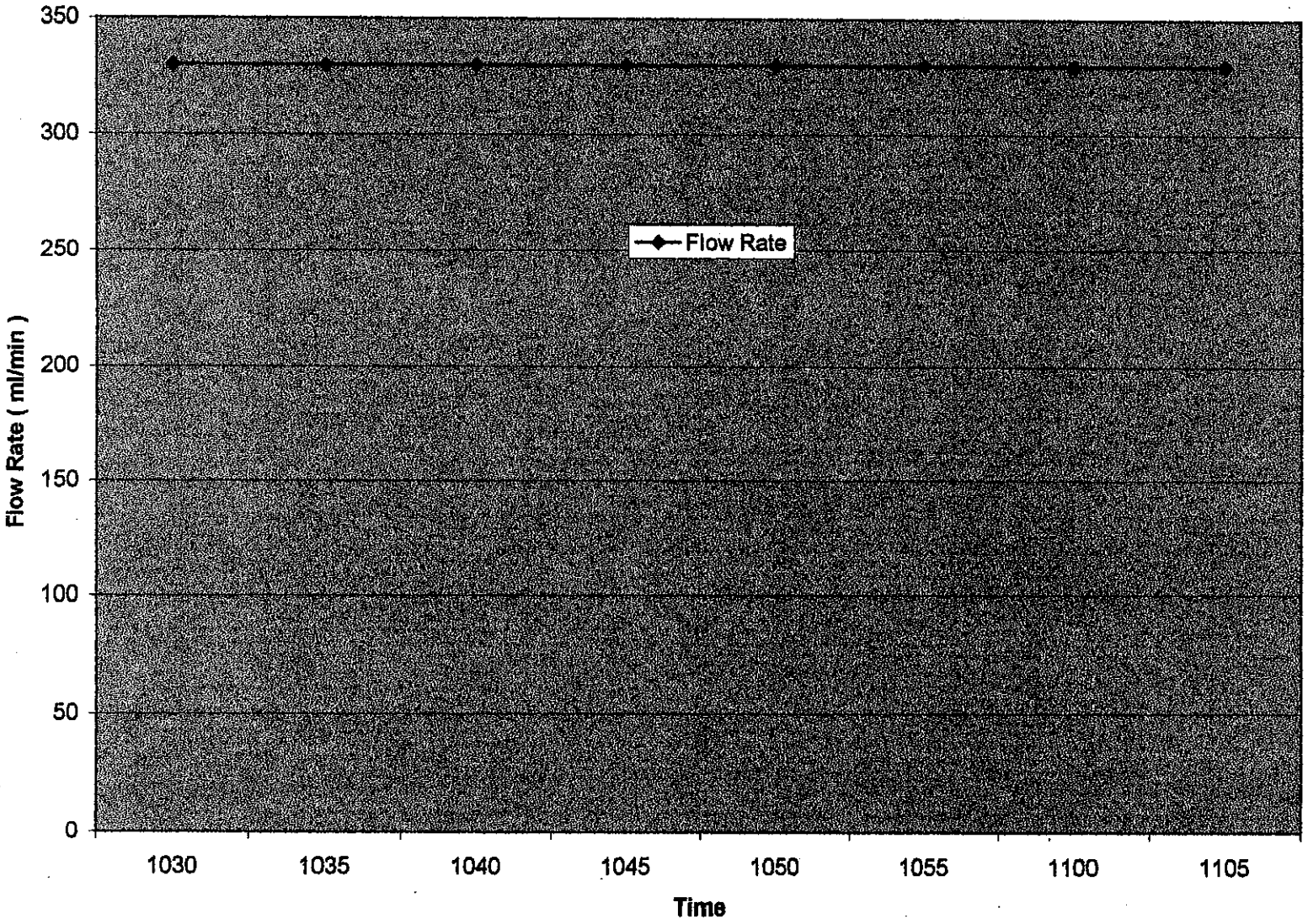
M14MW23
Permit #: 29-41786
8/23/00

Depth to Water.



M14MW23
Permit #: 29-41786
8/23/00

Flow Rate



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14 Landfill
MW#: 0M14MW24
NJDEP ID#29-41788
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Mark Laura
DATE: 08/23/00
WEATHER: Overcast, breezy.
TIDE: Low-Slack
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 2.2 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:147.0 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 7.55 ft
Before Purge Start: 7.55 ft **Previous Day: 7.50 ft** **After Sampling: 7.85 ft**
DEPTH OF WELL: 18.85 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE:14 ft
TUBING: Food grade Polyethylene 1/4"/Silicon
HEIGHT OF WATER: ft
( ) X .65 / X 3 = (.65 for 4", .163 for 2")
GALLONS OF H2O TO BE PURGED: Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min): PURGED W/ 2" REDIFLO 2 GRUNDPHOS SUBMERSIBLE PUMP
Purged at 300 mL/Min or Gal/Min. (ml to gal.: ml(.0002642)=gal)
PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

PURGE START TIME: 12:40
pH 6.83 su
TEMP 20.53 °C
DISSOLVED O_2 0.00 mg/L
SPECIFIC CONDUCTIVITY 1395 ms/cm

PURGE END TIME: 13:51
pH 6.92 su
TEMP 21.04 °C
DISSOLVED O_2 0.00 mg/L
SPECIFIC CONDUCTIVITY 1352 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 7.85 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 13:46
pH 6.94 su
TEMP 21.01 °C
DISSOLVED O_2 0.00 mg/L
SPECIFIC CONDUCTIVITY 1351 ms/cm

SAMPLE END TIME: 13.50
ANALYTES: TAL Metals
COMMENTS:

FIELD READINGS

MW: 0M14MW24
NJDEP ID#: 29-41788
DATE: 8/23/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
12:45	6.83	20.53	1275	1395	0.00	10.5	7.85	300	Semi-Clear Yellow
12:50	6.86	20.56	1285	1404	0.00	12.2	7.85	300	Semi-Clear Yellow
12:55	6.86	20.71	1285	1399	0.00	10.4	7.85	300	Semi-Clear Yellow
13:00	6.86	20.8	1281	1393	0.00	10.4	7.85	300	Semi-Clear Yellow
13:05	6.86	20.89	1276	1384	0.00	10.3	7.85	300	Semi-Clear Yellow
13:10	6.85	20.97	1271	1377	0.00	10.4	7.85	300	Semi-Clear Yellow
13:15	6.85	21.03	1266	1370	0.00	10.5	7.85	300	Semi-Clear Yellow
13:20	6.87	21.11	1260	1361	0.00	10.4	7.85	300	Semi-Clear Yellow
13:25	6.87	21	1255	1359	0.00	10.5	7.85	300	Semi-Clear Yellow
13:30	6.89	21.05	1253	1355	0.00	10	7.85	300	Semi-Clear Yellow
13:35	6.91	21.05	1251	1353	0.00	9.98	7.85	300	Semi-Clear Yellow
13:40	6.92	21.04	1250	1352	0.00	9.96	7.85	300	Semi-Clear Yellow
13:45	6.94	21.1	1248	1351	0.00	9.94	7.85	300	Semi-Clear Yellow

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1245	10.50	7.85	300
1250	12.20	7.85	300
1255	10.40	7.85	300
1300	10.40	7.85	300
1305	10.30	7.85	300
1310	10.40	7.85	300
1315	10.50	7.85	300
1320	10.40	7.85	300
1325	10.50	7.85	300
1330	10.00	7.85	300
1335	9.98	7.85	300
1340	9.96	7.85	300
1345	9.94	7.85	300

M14mw24

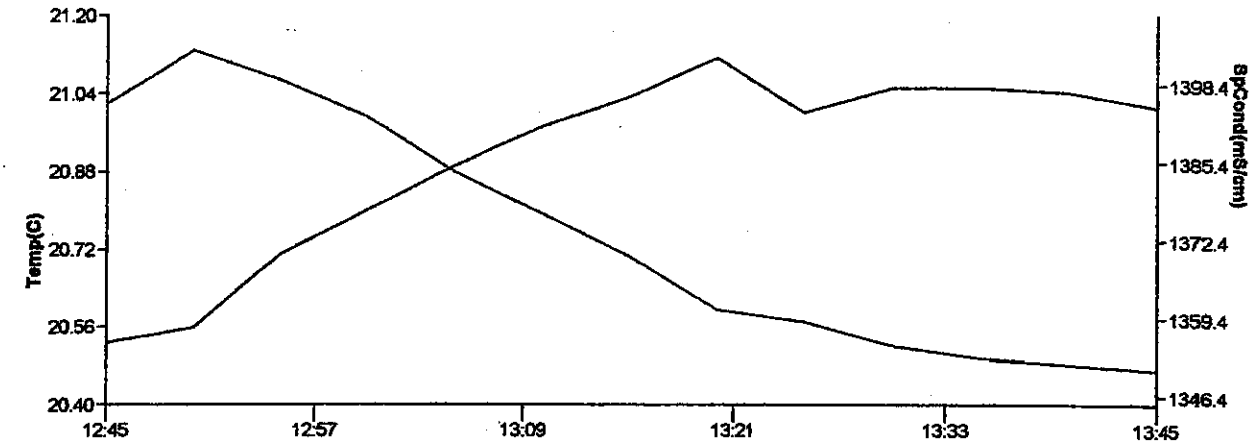
M14MW24 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

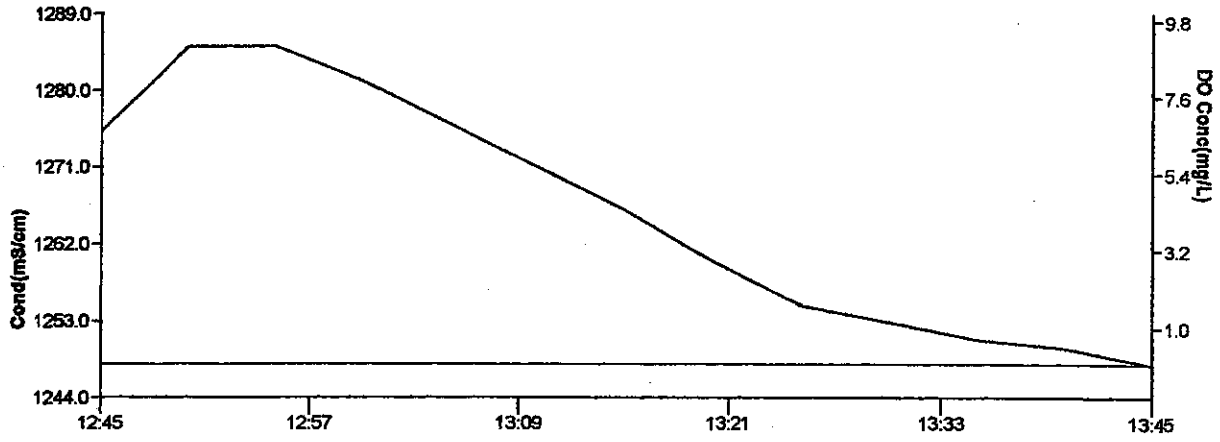
From 08/23/00 12:45 to 08/23/00 13:45
Number of samples: 13

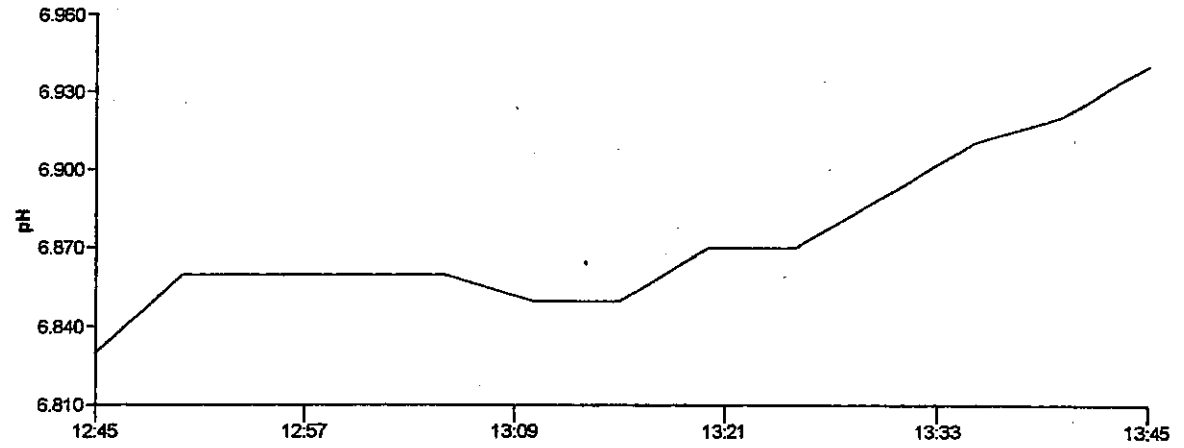
08/23/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
08/23/00 12:45	20.53	1395.000	1275.000	0.00	6.83
08/23/00 12:50	20.56	1404.000	1285.000	0.00	6.86
08/23/00 12:55	20.71	1399.000	1285.000	0.00	6.86
08/23/00 13:00	20.80	1393.000	1281.000	0.00	6.86
08/23/00 13:05	20.89	1384.000	1276.000	0.00	6.86
08/23/00 13:10	20.97	1377.000	1271.000	0.00	6.85
08/23/00 13:15	21.03	1370.000	1266.000	0.00	6.85
08/23/00 13:20	21.11	1361.000	1260.000	0.00	6.87
08/23/00 13:25	21.00	1359.000	1255.000	0.00	6.87
08/23/00 13:30	21.05	1355.000	1253.000	0.00	6.89
08/23/00 13:35	21.05	1353.000	1251.000	0.00	6.91
08/23/00 13:40	21.04	1352.000	1250.000	0.00	6.92
08/23/00 13:45	21.01	1351.000	1248.000	0.00	6.94

M14MW24 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH



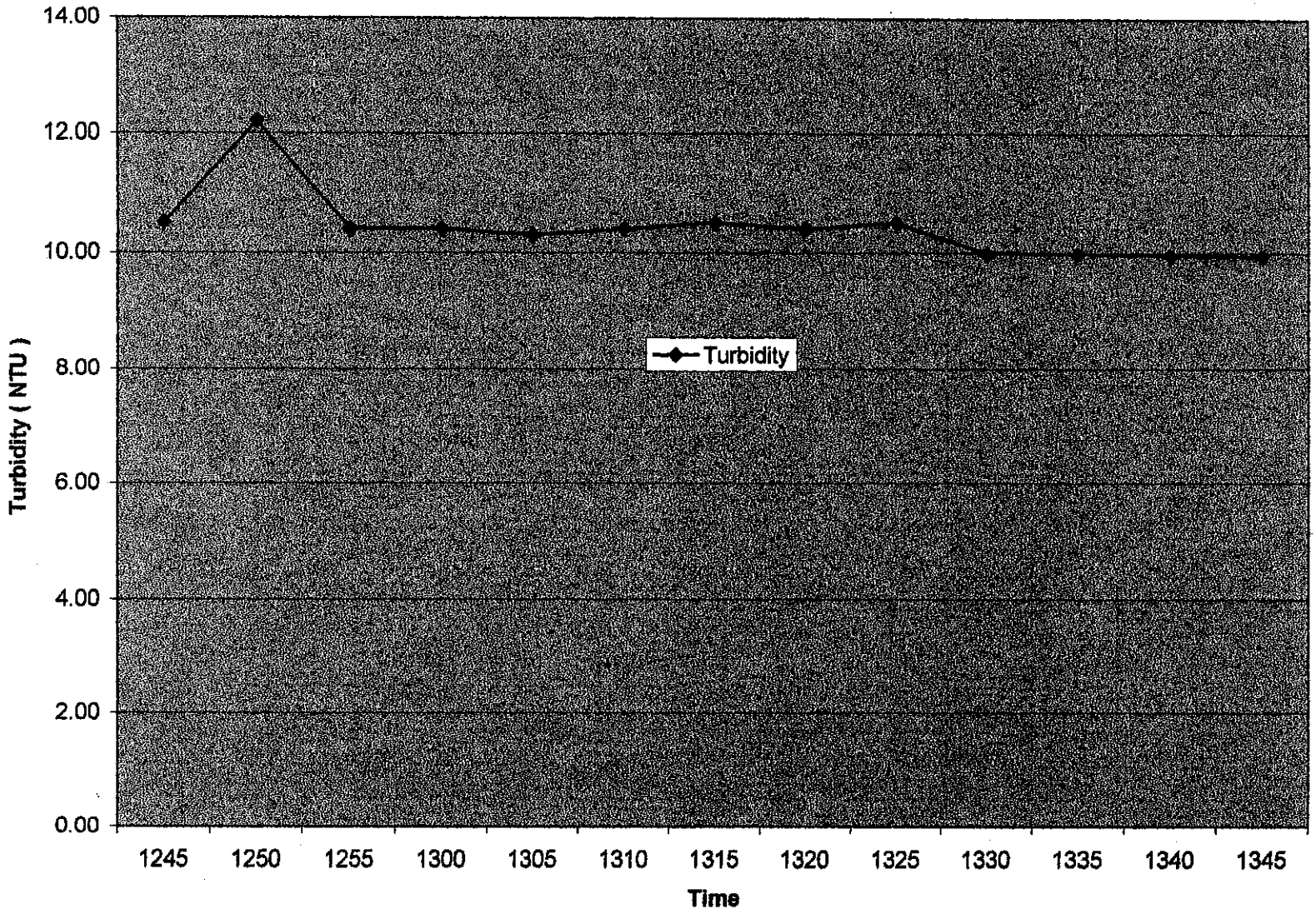




08/23/00 08/23/00 08/23/00 08/23/00 08/23/00 08/23/00

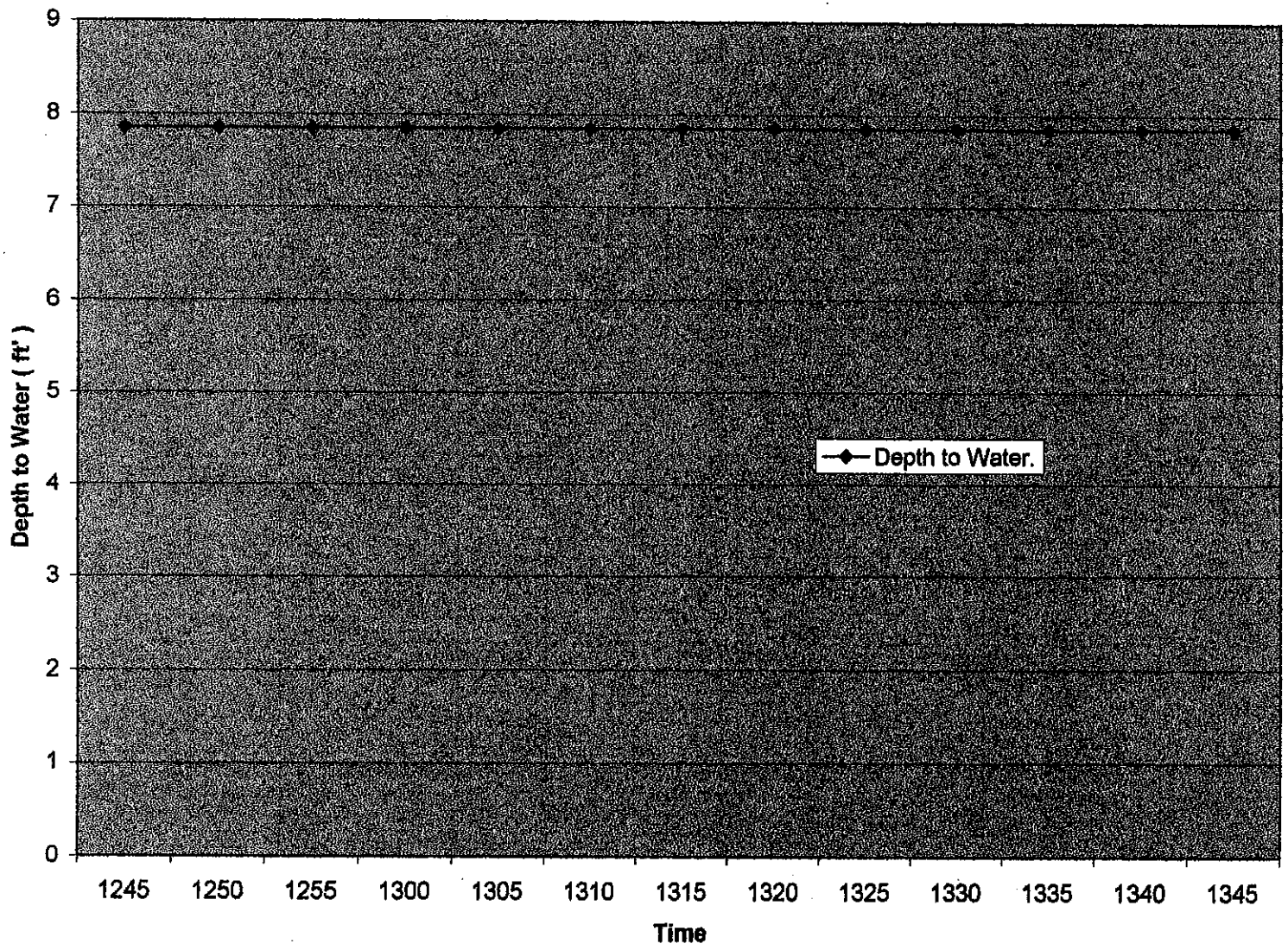
(08/23/00)

M14MW24
Permit #: 29-41788
8/23/00



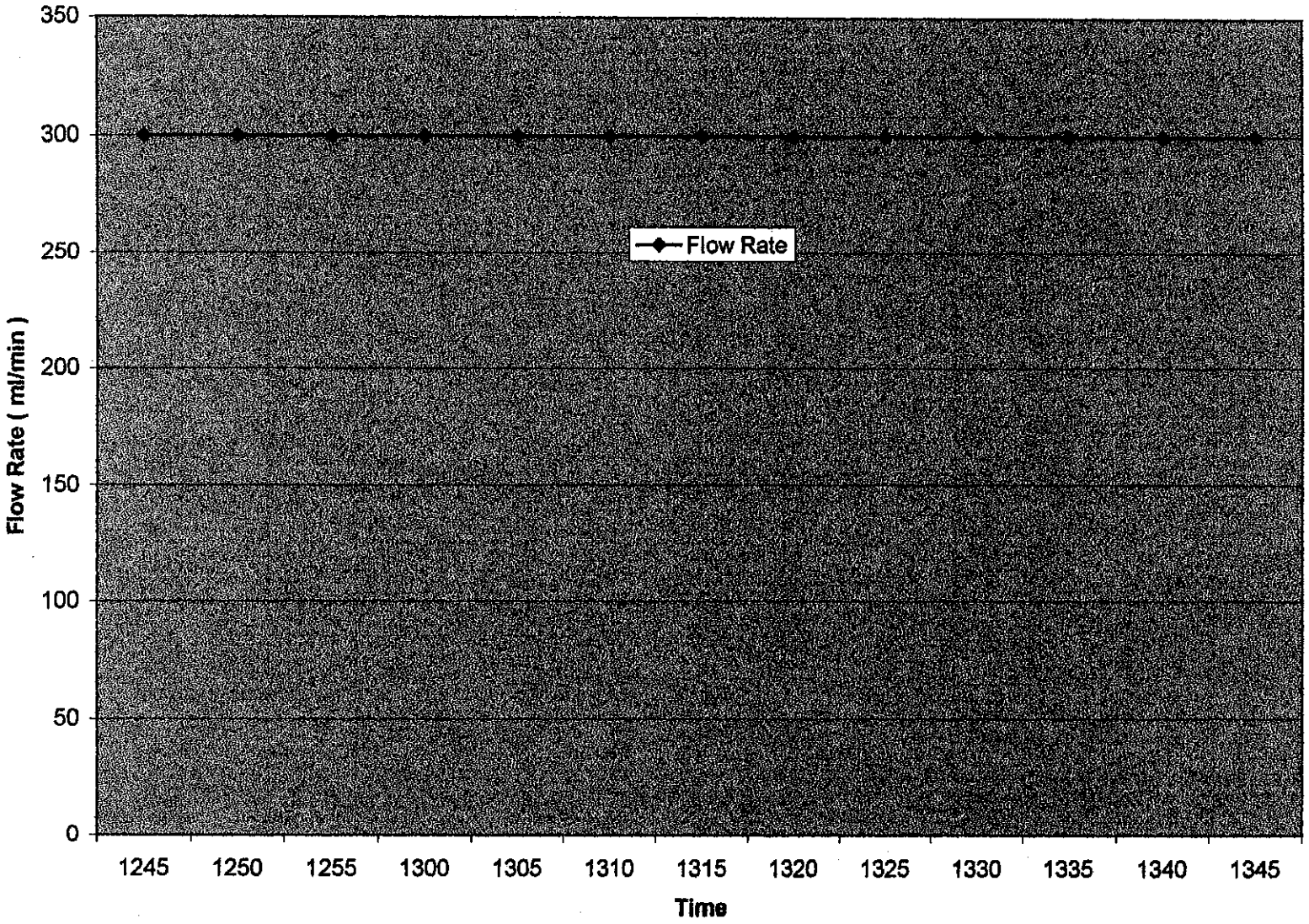
M14MW24
Permit #: 29-41788
8/23/00

Depth to Water.



M14MW24
Permit #: 29-41788
8/23/00

Flow Rate



METALS

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

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

Lab ID #: 5656
Sample Prepared: 09/07/00

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	30	200	10.0
Antimony	09/07/00	ND	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	ND	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	120	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	15.0	300	10.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	ND	NLE	10.0
Manganese	09/07/00	ND	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	ND	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	890	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	19.0	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 #: 5656.01
Sample Received: 08/23/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	ND	200	10.0
Antimony	09/07/00	ND	20	2.0
Arsenic	09/07/00	2.34	8	2.0
Barium	09/07/00	ND	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	ND	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	ND	1000	3.0
Iron	09/07/00	ND	300	10.0
Lead	09/07/00	ND	10	2.0
Magnesium	09/07/00	ND	NLE	20.0
Manganese	09/07/00	ND	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	0.5
Potassium	09/07/00	97.7	NLE	20.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	3.0
Sodium	09/07/00	ND	50000	20.0
Thallium	09/07/00	ND	10	3.0
Vanadium	09/07/00	ND	NLE	1.0
Zinc	09/07/00	ND	5000	1.0

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 #: 5656.06
Sample Received: 08/23/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Field Dup

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	63.8	200	10.0
Antimony	09/07/00	ND	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	18.4	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	34600	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	4710	300	10.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	2490	NLE	10.0
Manganese	09/07/00	45.8	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	4960	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	6450	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	18.7	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 5648.01
Sample Received: 08/22/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	135	200	10.0
Antimony	09/07/00	ND	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	15.3	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	18800	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	14600	300	10.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	2420	NLE	10.0
Manganese	09/07/00	101	50	0.5
Mercury	09/07/00	2.52	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	6170	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	5800	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	47.8	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 5656.02
Sample Received: 08/23/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	290	200	10.0
Antimony	09/07/00	3.25	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	18.3	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	34100	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	4650	300	10.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	2450	NLE	10.0
Manganese	09/07/00	45.2	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	5260	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	6110	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	29.4	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 #: 5656.04
Sample Received: 08/23/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	84.4	200	10.0
Antimony	09/07/00	2.44	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	23.4	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	34400	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	788	300	10.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	4040	NLE	10.0
Manganese	09/07/00	78.3	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	6820	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	6860	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	15.9	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 #: 5648.02
Sample Received: 08/22/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW22

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	157	200	10.0
Antimony	09/07/00	2.72	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	18.3	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	45600	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	315	300	10.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	2940	NLE	10.0
Manganese	09/07/00	14.9	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	4710	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	4370	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	33.1	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 #: 5656.03
Sample Received: 08/23/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW23

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	91.1	200	10.0
Antimony	09/07/00	ND	20	2.0
Arsenic	09/07/00	3.93	8	2.0
Barium	09/07/00	8.37	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	40600	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	909	300	10.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	3790	NLE	10.0
Manganese	09/07/00	8.25	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	5500	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	6040	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	24.5	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 #: 5656.05
Sample Received: 08/23/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW24

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	135	200	10.0
Antimony	09/07/00	3.46	20	2.0
Arsenic	09/07/00	29.5	8	2.0
Barium	09/07/00	29.7	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	152000	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	2050	300	10.0
Lead	09/07/00	1.19	10	1.0
Magnesium	09/07/00	25800	NLE	10.0
Manganese	09/07/00	126	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	18800	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	167000	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	4.74	NLE	0.5
Zinc	09/07/00	30.9	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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
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-14

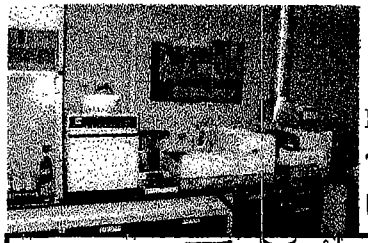
LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5683.03	0M14MW19	29-32579	09/01/00
5683.04	0M14MW20	29-32580	09/01/00
5683.05	0M14MW21	29-32581	09/01/00
5683.06	0M14MW22	29-41787	09/01/00
5683.07	0M14MW23	29-41786	09/01/00
5683.08	0M14MW24	29-41788	09/01/00

NJDEP Laboratory Certification # 13461

9-25-00
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

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

Chain of Custody Record

Customer: J. Fallon
Phone #: X26223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: M14 wells 3rd Qtr '00

Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOTS	TAL MTLS	Pest/PCB	BN/A+25				Hex Cr	Comments: Remarks / Preservation Method
														HCL/HNO_3/<4°C
5283-.01	Trip	9/1/00	0737	AQ	2	✓							—	
.02	Field Blank		0945		5	✓	✓	✓	✓				—	
.03	M14 mw19		1018		5	✓	✓	✓	✓				0.0	29-32579
.04	M14 mw20		1050			✓	✓	✓	✓				0.0	29-32577
.05	M14 mw21		1009			✓	✓	✓	✓				0.0	29-32578
.06	M14 mw22		1038			✓	✓	✓	✓				0.0	29-41787
.07	M14 mw23		1030			✓	✓	✓	✓				0.0	29-41786
.08	M14 mw24	↓	1001	↓	↓	✓	✓	✓	✓				0.0	29-41788

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	9/1/00 1130	[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→IH

print legibly

Coc.xls5/12/00

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW19
NJDEP ID #: 29-32579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/01/00
WEATHER: Overcast, and humid.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.68 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.99 ft
DEPTH OF WELL: 17.50 ft
DEPTH TO TOP OF SCREEN: 5.00 ft
HEIGHT OF WATER: 10.51 ft
(10.51) X .65 X 3 = 20.49
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:37
pH 6.74 su — TEMP 18.4 °C
DISSOLVED O2 5.94 ppm — SPECIFIC CONDUCTIVITY 224 us/cm

PURGE END TIME: 10:04
pH 6.63 su — TEMP 17.3 °C
DISSOLVED O2 3.14 ppm — SPECIFIC CONDUCTIVITY 212 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.07 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 10:18
pH 6.62 su — TEMP 17.4 °C
DISSOLVED O2 3.11 ppm — SPECIFIC CONDUCTIVITY 212 us/cm

SAMPLE END TIME: 10:27

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW20
NJDEP ID #: 29-32580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/01/00
WEATHER: Overcast, and humid.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.29 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.68 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: 4.50 ft
HEIGHT OF WATER: 10.22 ft
(10.22) X .65 X 3 = 19.92
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:41
pH 6.11 su — TEMP 21.3 °C
DISSOLVED O2 6.12 ppm — SPECIFIC CONDUCTIVITY 267 us/cm

PURGE END TIME: 10:08
pH 5.87 su — TEMP 20.4 °C
DISSOLVED O2 3.22 ppm — SPECIFIC CONDUCTIVITY 250 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.98 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 10:50
pH 5.87 su — TEMP 20.4 °C
DISSOLVED O2 3.21 ppm — SPECIFIC CONDUCTIVITY 251 us/cm

SAMPLE END TIME: 10:57

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW21
NJDEP ID #: 29-32581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/01/00
WEATHER: Overcast, and humid.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.57 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.34 ft
DEPTH OF WELL: 19.30 ft
DEPTH TO TOP OF SCREEN: 6.00 ft
HEIGHT OF WATER: 11.96 ft
(11.96) X .65 X 3 = 23.32
GALLONS OF H2O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:28
pH 7.11 su — TEMP 19.2 °C
DISSOLVED O2 6.10 ppm — SPECIFIC CONDUCTIVITY 205 us/cm

PURGE END TIME: 10:08
pH 6.88 su — TEMP 18.0 °C
DISSOLVED O2 3.29 ppm — SPECIFIC CONDUCTIVITY 199 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.48 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 10:09
pH 6.89 su — TEMP 18.0 °C
DISSOLVED O2 3.27 ppm — SPECIFIC CONDUCTIVITY 199 us/cm

SAMPLE END TIME: 10:17

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW22
NJDEP ID #: 29-41787
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/01/00
WEATHER: Overcast, and humid..
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.90 ft
DEPTH OF WELL: 20.26 ft
DEPTH TO TOP OF SCREEN: 3.00 ft
HEIGHT OF WATER: 13.36 ft
(13.36) X .65 X 3 = 26.05
GALLONS OF H2O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:35
pH 6.91 su
TEMP 19.1 °C
DISSOLVED O2 5.97 ppm
SPECIFIC CONDUCTIVITY 231 us/cm

PURGE END TIME: 10:27
pH 6.82 su
TEMP 18.0 °C
DISSOLVED O2 3.09 ppm
SPECIFIC CONDUCTIVITY 202 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.48 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 10:38
pH 6.82 su
TEMP 17.9 °C
DISSOLVED O2 3.07 ppm
SPECIFIC CONDUCTIVITY 202 us/cm

SAMPLE END TIME: 10:47

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW23
NJDEP ID #: 29-41786
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/01/00
WEATHER: Overcast, and humid.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.03 ft
DEPTH OF WELL: 21.10 ft
DEPTH TO TOP OF SCREEN: 3.00 ft
HEIGHT OF WATER: 14.07 ft
(14.07) X .65 X 3 = 27.43
GALLONS OF H2O TO BE PURGED: 27 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:32
pH 6.53 su — TEMP 19.7 °C
DISSOLVED O2 6.07 ppm — SPECIFIC CONDUCTIVITY 241 us/cm

PURGE END TIME: 10:29
pH 6.49 su — TEMP 18.9 °C
DISSOLVED O2 3.19 ppm — SPECIFIC CONDUCTIVITY 230 us/cm

DEPTH TO H2O 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: 10:30
pH 6.47 su — TEMP 18.7 °C
DISSOLVED O2 3.17 ppm — SPECIFIC CONDUCTIVITY 231 us/cm

SAMPLE END TIME: 10:37

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW24
NJDEP ID #: 29-41788
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/01/00
WEATHER: Overcast, and humid.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.57 ft
DEPTH OF WELL: 18.85 ft
DEPTH TO TOP OF SCREEN: 3.00 ft
HEIGHT OF WATER: 11.28 ft
(11.28) X .65 X 3 = 21.99
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:25
pH 7.14 su — TEMP 22.7 °C
DISSOLVED O2 6.17 ppm — SPECIFIC CONDUCTIVITY 687 us/cm

PURGE END TIME: 10:00
pH 7.18 su — TEMP 21.1 °C
DISSOLVED O2 3.43 ppm — SPECIFIC CONDUCTIVITY 680 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 14.40 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 10:01
pH 7.17 su — TEMP 21.2 °C
DISSOLVED O2 3.41 ppm — SPECIFIC CONDUCTIVITY 680 us/cm

SAMPLE END TIME: 10:07

COMMENTS: Yellow tinge, black particles.

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

MDL	: Method Detection Limit
J	: Compound Identified Below Detection Limit
B	: Compound is in Both Sample and Blank
D	: Results are from a Dilution of the Sample
U	: Compound Searched for but not Detected
E	: Compound Exceeds Calibration Limit

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

Data File	**VC003735.D**	Sample Name	**Vblk106**
Operator	**Skelton**	Field ID	**Vblk106**
Date Aquired	**11-Sep-00**	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	
156594	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

9/21/00 3:48 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Vblk106**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5683 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk106

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003735.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: not dec. Date Analyzed: 9/11/00

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	**VC003746.D**	Sample Name	**5683.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**11-Sep-00**	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	9.10	107342	5.28 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	
75-34-3	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	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.32	318575	2.99 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

9/21/00 3:48 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Trip Blank**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5683 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5683.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003746.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: not dec. Date Analyzed: 9/11/00

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	**VC003747.D**	Sample Name	**5683.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**11-Sep-00**	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	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.33	348222	3.14 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

9/21/00 3:48 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5683 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5683.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003747.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: not dec. Date Analyzed: 9/11/00

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	**VC003748.D**	Sample Name	**5683.03**
Operator	**Skelton**	Field ID	**0M14MW19**
Date Aquired	**11-Sep-00**	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	
156594	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

9/21/00 3:49 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0M14MW19**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5683 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5683.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003748.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: not dec. Date Analyzed: 9/11/00

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	**VC003749.D**	Sample Name	**5683.04**
Operator	**Skelton**	Field ID	**0M14MW20**
Date Aquired	**11-Sep-00**	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	
156594	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

9/21/00 3:49 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0M14MW20**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5683 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5683.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003749.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: not dec. Date Analyzed: 9/11/00

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	**VC003750.D**	Sample Name	**5683.05**
Operator	**Skelton**	Field ID	**0M14MW21**
Date Aquired	**11-Sep-00**	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	9.10	123786	6.23 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	
75-34-3	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	
156594	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

9/21/00 3:49 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0M14MW21**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5683 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5683.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003750.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: not dec. Date Analyzed: 9/11/00

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	**VC003751.D**	Sample Name	**5683.06**
Operator	**Skelton**	Field ID	**0M14MW22**
Date Aquired	**11-Sep-00**	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	
156594	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	27.36	187363	1.56 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

9/21/00 3:49 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0M14MW22**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5683 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5683.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003751.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: not dec. Date Analyzed: 9/11/00

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	**VC003752.D**	Sample Name	**5683.07**
Operator	**Skelton**	Field ID	**0M14MW23**
Date Aquired	**11-Sep-00**	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	9.14	146719	7.10 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	
75-34-3	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	
156594	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

9/21/00 3:49 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0M14MW23**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5683 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5683.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003752.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: not dec. Date Analyzed: 9/11/00

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	**VC003753.D**	Sample Name	**5683.08**
Operator	**Skelton**	Field ID	**0M14MW24**
Date Aquired	**11-Sep-00**	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	9.18	146155	6.93 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	
75-34-3	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	
156594	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

9/21/00 3:49 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0M14MW24**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5683 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5683.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003753.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: not dec. Date Analyzed: 9/11/00

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

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04522.D**	Sample Name	**Sblk418**
Operator	**Bhaskar**	Misc Info	**Sblk418 A 000907**
Date Acquired	**15-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04522.D**	Sample Name	**Sblk418**
Operator	**Bhaskar**	Misc Info	**Sblk418 A 000907**
Date Acquired	**15-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **Sblk418**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5683 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: Sblk418

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04522.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 9/7/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/15/00

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	6.64	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04523.D**	Sample Name	**5683.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**15-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04523.D**	Sample Name	**5683.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**15-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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.: 5683 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5683.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04523.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 9/7/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/15/00

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	6.64	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04524.D**	Sample Name	**5683.03**
Operator	**Bhaskar**	Misc Info	**M14MW19**
Date Acquired	**15-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04524.D**	Sample Name	**5683.03**
Operator	**Bhaskar**	Misc Info	**M14MW19**
Date Acquired	**15-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW19**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5683 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5683.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04524.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 9/7/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/15/00

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	6.64	5	J
2. 000105-60-2	Caprolactam	15.69	4	JN
3.	unknown	32.87	85	J
4.	unknown	33.78	40	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04525.D**	Sample Name	**5683.04**
Operator	**Bhaskar**	Misc Info	**M14MW20**
Date Acquired	**15-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04525.D**	Sample Name	**5683.04**
Operator	**Bhaskar**	Misc Info	**M14MW20**
Date Acquired	**15-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW20**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5683 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5683.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04525.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 9/7/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/15/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.64	7	J
2. 000617-94-7	Benzenemethanol, .alpha.,.alpha.	11.82	13	JN
3. 000105-60-2	Caprolactam	15.70	6	JN
4. 000630-06-8	Hexatriacontane	30.21	6	JN
5.	unknown	32.51	49	J
6.	unknown	32.80	300	J
7. 000629-92-5	Nonadecane	33.29	220	JN
8.	unknown	33.77	40	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04526.D**	Sample Name	**5683.05**
Operator	**Bhaskar**	Misc Info	**M14MW21**
Date Acquired	**15-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04526.D**	Sample Name	**5683.05**
Operator	**Bhaskar**	Misc Info	**M14MW21**
Date Acquired	**15-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW21**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5683 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5683.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04526.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 9/7/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/15/00

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	6.65	4	J
2. 000143-28-2	Oleyl Alcohol	32.80	100	JN
3.	unknown	32.86	40	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04527.D**	Sample Name	**5683.06**
Operator	**Bhaskar**	Misc Info	**M14MW22**
Date Acquired	**15-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04527.D**	Sample Name	**5683.06**
Operator	**Bhaskar**	Misc Info	**M14MW22**
Date Acquired	**15-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW22**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5683 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5683.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04527.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 9/7/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/15/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.64	6	J
2. 000105-60-2	Caprolactam	15.71	6	JN
3. 000057-10-3	Hexadecanoic acid	24.72	4	JN
4. 000112-80-1	Oleic Acid	26.57	9	JN
5.	unknown	32.51	38	J
6. 000629-80-1	Hexadecanal	32.80	280	JN
7.	unknown	32.87	140	J
8.	unknown	33.78	40	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04528.D**	Sample Name	**5683.07**
Operator	**Bhaskar**	Misc Info	**M14MW23**
Date Acquired	**15-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol	11.44	93065	4.97 ug/L	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04528.D**	Sample Name	**5683.07**
Operator	**Bhaskar**	Misc Info	**M14MW23**
Date Acquired	**15-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW23**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5683 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5683.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04528.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 9/7/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/15/00

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	6.64	8	J
2. 000057-10-3	Hexadecanoic acid	24.72	8	JN
3. 000057-11-4	Octadecanoic acid	26.80	5	JN
4. 022393-98-2	9-Hexadecenoic acid, 9-octadece	32.80	920	JN
5.	unknown	33.78	40	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04534.D**	Sample Name	**5683.08**
Operator	**Bhaskar**	Misc Info	**M14MW24**
Date Acquired	**15-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04534.D**	Sample Name	**5683.08**
Operator	**Bhaskar**	Misc Info	**M14MW24**
Date Acquired	**15-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW24**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5683 Location: M14 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5683.08

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04534.D

Level: (low/med) LOW Date Received: 9/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 9/7/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/15/00

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	6.63	6	J
2. 000105-60-2	Caprolactam	15.72	8	JN
3. 000057-10-3	Hexadecanoic acid	24.73	8	JN
4. 000112-80-1	Oleic Acid	26.56	4	JN

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

Client :	U.S. Army	**Lab. ID # :**	PBLK580
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5683.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/1/00
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5683.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/1/00
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5683.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/1/00
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5683.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/1/00
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5683.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/1/00
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW22
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5683.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/1/00
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW23
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5683.08
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/1/00
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW24
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

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

Lab ID #: 5683
Sample Prepared: 09/18/00

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	53.8	200	10.0
Antimony	09/19/00	ND	20	2.0
Arsenic	09/19/00	ND	8	2.0
Barium	09/19/00	ND	2000	0.5
Beryllium	09/19/00	ND	20	0.5
Cadmium	09/19/00	ND	4	0.5
Calcium	09/19/00	99.2	NLE	20.0
Chromium	09/19/00	ND	100	0.5
Cobalt	09/19/00	ND	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	58.6	300	10.0
Lead	09/19/00	ND	10	2.0
Magnesium	09/19/00	ND	NLE	20.0
Manganese	09/19/00	ND	50	0.5
Mercury	09/18/00	ND	2	0.1
Nickel	09/19/00	ND	100	0.5
Potassium	09/19/00	ND	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	ND	20	3.0
Sodium	09/19/00	112	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	ND	NLE	1.0
Zinc	09/19/00	17.8	5000	1.0

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 #: 5683.02
Sample Received: 09/01/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	ND	200	10.0
Antimony	09/19/00	ND	20	2.0
Arsenic	09/19/00	ND	8	2.0
Barium	09/19/00	ND	2000	0.5
Beryllium	09/19/00	ND	20	0.5
Cadmium	09/19/00	ND	4	0.5
Calcium	09/19/00	ND	NLE	20.0
Chromium	09/19/00	ND	100	0.5
Cobalt	09/19/00	ND	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	ND	300	10.0
Lead	09/19/00	ND	10	2.0
Magnesium	09/19/00	ND	NLE	20.0
Manganese	09/19/00	ND	50	0.5
Mercury	09/18/00	ND	2	0.1
Nickel	09/19/00	ND	100	0.5
Potassium	09/19/00	ND	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	ND	20	3.0
Sodium	09/19/00	ND	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	ND	NLE	1.0
Zinc	09/19/00	ND	5000	1.0

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 #: 5683.03
Sample Received: 09/01/00
Sample Matrix: Aqueous

Site: M-14

Field ID#: 0M14MW19

Ft. Monmouth, New Jersey

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	138	200	10.0
Antimony	09/19/00	ND	20	2.0
Arsenic	09/19/00	ND	8	2.0
Barium	09/19/00	17.6	2000	0.5
Beryllium	09/19/00	ND	20	0.5
Cadmium	09/19/00	ND	4	0.5
Calcium	09/19/00	22000	NLE	20.0
Chromium	09/19/00	ND	100	0.5
Cobalt	09/19/00	ND	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	15700	300	10.0
Lead	09/19/00	4.83	10	2.0
Magnesium	09/19/00	2780	NLE	20.0
Manganese	09/19/00	102	50	0.5
Mercury	09/18/00	ND	2	0.1
Nickel	09/19/00	ND	100	0.5
Potassium	09/19/00	6530	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	4.48	20	3.0
Sodium	09/19/00	6400	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	ND	NLE	1.0
Zinc	09/19/00	46.4	5000	1.0

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 #: 5683.04
Sample Received: 09/01/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	317	200	10.0
Antimony	09/19/00	ND	20	2.0
Arsenic	09/19/00	14.8	8	2.0
Barium	09/19/00	63.9	2000	0.5
Beryllium	09/19/00	ND	20	0.5
Cadmium	09/19/00	ND	4	0.5
Calcium	09/19/00	81000	NLE	20.0
Chromium	09/19/00	ND	100	0.5
Cobalt	09/19/00	2.34	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	27000	300	10.0
Lead	09/19/00	3.95	10	2.0
Magnesium	09/19/00	4860	NLE	20.0
Manganese	09/19/00	281	50	0.5
Mercury	09/18/00	ND	2	0.1
Nickel	09/19/00	13.2	100	0.5
Potassium	09/19/00	8850	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	3.70	20	3.0
Sodium	09/19/00	8850	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	ND	NLE	1.0
Zinc	09/19/00	137	5000	1.0

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 #: 5683.05
Sample Received: 09/01/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	131	200	10.0
Antimony	09/19/00	ND	20	2.0
Arsenic	09/19/00	ND	8	2.0
Barium	09/19/00	24.7	2000	0.5
Beryllium	09/19/00	ND	20	0.5
Cadmium	09/19/00	ND	4	0.5
Calcium	09/19/00	33700	NLE	20.0
Chromium	09/19/00	ND	100	0.5
Cobalt	09/19/00	ND	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	955	300	10.0
Lead	09/19/00	ND	10	2.0
Magnesium	09/19/00	3970	NLE	20.0
Manganese	09/19/00	71.2	50	0.5
Mercury	09/18/00	0.1	2	0.1
Nickel	09/19/00	ND	100	0.5
Potassium	09/19/00	6470	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	ND	20	3.0
Sodium	09/19/00	6710	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	ND	NLE	1.0
Zinc	09/19/00	27.8	5000	1.0

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 #: 5683.06
Sample Received: 09/01/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW22

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	113	200	10.0
Antimony	09/19/00	ND	20	2.0
Arsenic	09/19/00	ND	8	2.0
Barium	09/19/00	45.6	2000	0.5
Beryllium	09/19/00	ND	20	0.5
Cadmium	09/19/00	ND	4	0.5
Calcium	09/19/00	57400	NLE	20.0
Chromium	09/19/00	ND	100	0.5
Cobalt	09/19/00	0.746	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	6580	300	10.0
Lead	09/19/00	ND	10	2.0
Magnesium	09/19/00	4230	NLE	20.0
Manganese	09/19/00	102	50	0.5
Mercury	09/18/00	0.2	2	0.1
Nickel	09/19/00	ND	100	0.5
Potassium	09/19/00	5710	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	ND	20	3.0
Sodium	09/19/00	6540	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	ND	NLE	1.0
Zinc	09/19/00	81.5	5000	1.0

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 #: 5683.07
Sample Received: 09/01/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW23

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	73.7	200	10.0
Antimony	09/19/00	ND	20	2.0
Arsenic	09/19/00	4.65	8	2.0
Barium	09/19/00	10.8	2000	0.5
Beryllium	09/19/00	ND	20	0.5
Cadmium	09/19/00	ND	4	0.5
Calcium	09/19/00	41500	NLE	20.0
Chromium	09/19/00	ND	100	0.5
Cobalt	09/19/00	ND	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	3310	300	10.0
Lead	09/19/00	ND	10	2.0
Magnesium	09/19/00	3880	NLE	20.0
Manganese	09/19/00	15.7	50	0.5
Mercury	09/18/00	0.2	2	0.1
Nickel	09/19/00	ND	100	0.5
Potassium	09/19/00	5350	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	ND	20	3.0
Sodium	09/19/00	6460	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	ND	NLE	1.0
Zinc	09/19/00	36.1	5000	1.0

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 #: 5683.08
Sample Received: 09/01/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW24

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	1320	200	10.0
Antimony	09/19/00	3.72	20	2.0
Arsenic	09/19/00	24.5	8	2.0
Barium	09/19/00	30.7	2000	0.5
Beryllium	09/19/00	ND	20	0.5
Cadmium	09/19/00	ND	4	0.5
Calcium	09/19/00	143000	NLE	20.0
Chromium	09/19/00	1.60	100	0.5
Cobalt	09/19/00	1.02	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	10700	300	10.0
Lead	09/19/00	9.18	10	2.0
Magnesium	09/19/00	50900	NLE	20.0
Manganese	09/19/00	186	50	0.5
Mercury	09/18/00	0.2	2	0.1
Nickel	09/19/00	2.00	100	0.5
Potassium	09/19/00	28900	NLE	20.0
Selenium	09/19/00	8.00	50	3.0
Silver	09/19/00	ND	20	3.0
Sodium	09/19/00	169000	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	1.41	NLE	1.0
Zinc	09/19/00	50.9	5000	1.0

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

	Laboratory	Acetone	2-Butanone	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	900	300	50	20	200	20	8	-
06/12/1997	FMETL	ND	ND	2.06	27000	57	33	-	-	-	V,S,P,M
07/03/1997	FMETL	ND	ND	1.04	30300	290	27	124.1	ND	2	V,S,P,M
11/07/1997	FMETL	ND	ND	1.60	11600	136	ND	110	ND	ND	V,S,P,M
02/23/1998	FMETL	ND	ND	7.20	50590	119	ND	76	ND	ND	V,S,P,M
05/07/1998	FMETL	ND	ND	ND	48050	172	ND	34.5	ND	2.6	V,S,P,M
08/06/1998	FMETL	5.25	4.38	ND	19900	219	ND	117	2.27	ND	V,S,P,M
11/03/1998	FMETL	ND	ND	ND	14700	100	ND	25.4	3.23	ND	V,S,P,M
01/29/1999	FMETL	ND	ND	ND	41400	654	ND	ND	ND	ND	V,S,P,M
05/25/1999	FMETL	ND	ND	ND	40400	314	ND	154	ND	ND	V,S,P,M
07/23/1999	FMETL	ND	ND	ND	13700	89.7	ND	74.8	ND	ND	V,S,P,M
10/14/1999	FMETL	ND	ND	ND	17400	147	ND	160	6.92	ND	V,S,P,M
02/24/2000	FMETL	ND	ND	ND	24900	105	ND	ND	ND	ND	V,S,P,M
02/24/2000D	FMETL	ND	ND	ND	22300	102	ND	ND	ND	ND	V,S,P,M
05/16/2000	FMETL	ND	ND	ND	20500	79.2	ND	64.4	ND	ND	V,S,P,M
09/01/2000	FMETL	ND	ND	ND	15700	102	4.48	138	ND	ND	V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 09/01/2000

NOTES:

Page 1 of 2.

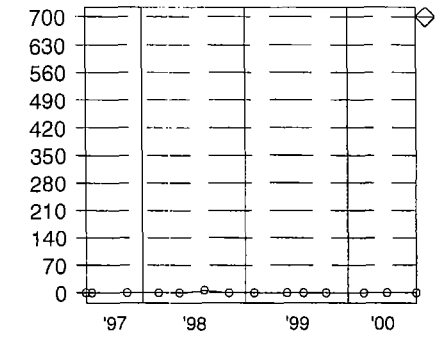
FORT MONMOUTH

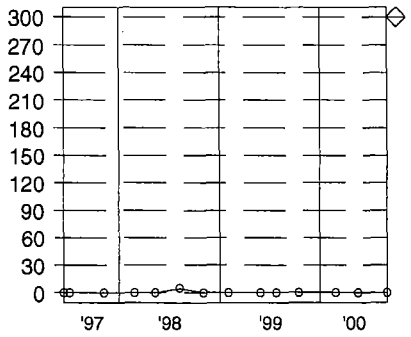
GW MONITORING
Bldg. M-14

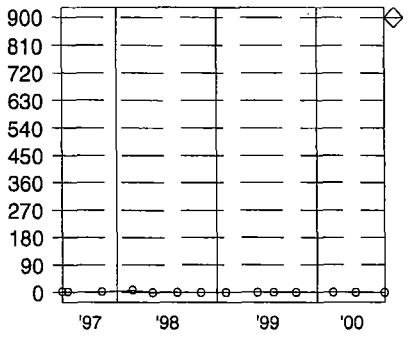
Source 1 of 6

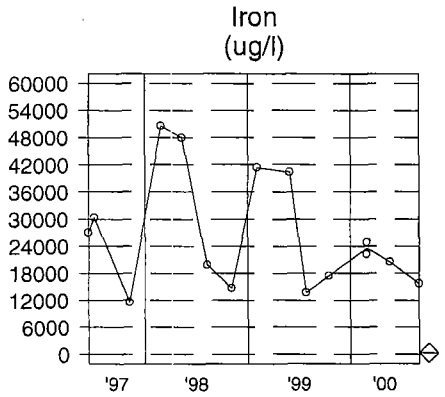
*Ag in blank > GW Criteria for 6/97 & 7/97.

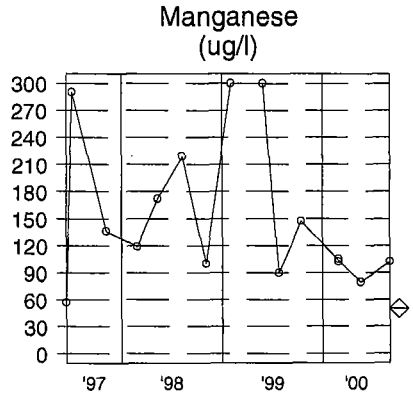
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

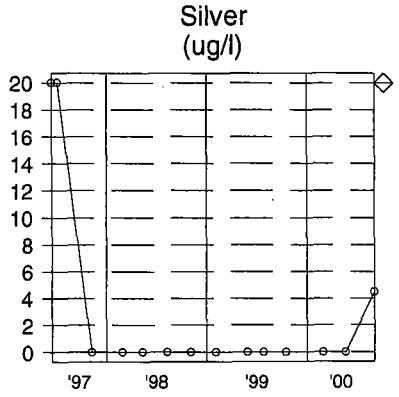


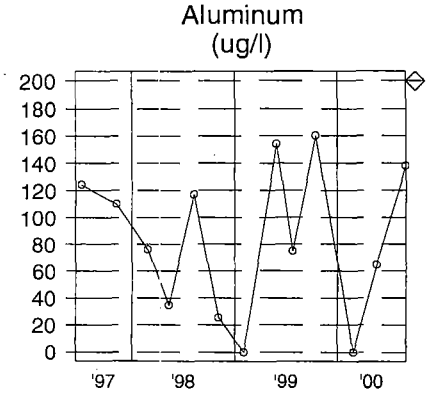


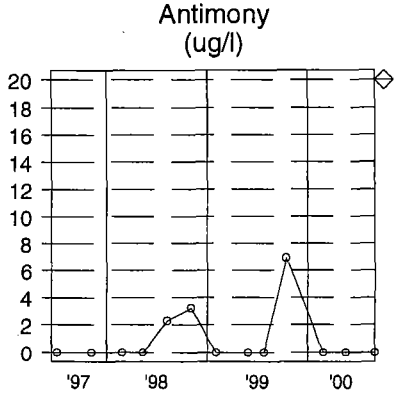


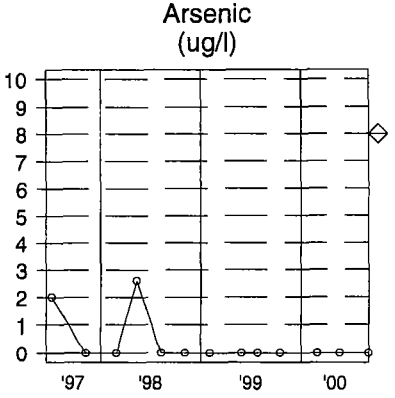












SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 09/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 1 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-22-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	2000	NLE	NLE	100	NLE	50000	5000	-		-
06/12/1997	FMETL	-	-	-	-	-	-	-	6.90		V,S,P,M
07/03/1997	FMETL	70.8	27810	4280	ND	5340	8320	21	7.20		V,S,P,M
11/07/1997	FMETL	17.4	18930	2320	ND	5660	6580	67	7.35		V,S,P,M
02/23/1998	FMETL	46.2	20450	2420	1.2	6400	5940	21	6.40		V,S,P,M
05/07/1998	FMETL	51.1	25500	2956	1.2	8018	7202	23.9	6.51		V,S,P,M
08/06/1998	FMETL	337	29100	3200	ND	14800	9130	61.3	7.84		V,S,P,M
11/03/1998	FMETL	13.8	19100	2530	5.69	28700	5360	72.6	8.01		V,S,P,M
01/29/1999	FMETL	35.8	40900	4550	20.6	6380	7810	664	6.43		V,S,P,M
05/25/1999	FMETL	59.2	28800	3470	0.931	7310	9220	4.98	7.31		V,S,P,M
07/23/1999	FMETL	13.2	16700	2120	0.716	6330	5840	40.3	7.98		V,S,P,M
10/14/1999	FMETL	27.2	20600	2770	5.03	6860	5880	55.2	7.67		V,S,P,M
02/24/2000	FMETL	21.6	18700	2450	ND	6080	5800	21.4	6.74		V,S,P,M
02/24/2000D	FMETL	19.6	18000	2390	ND	6100	5930	12.3	6.74		V,S,P,M
05/16/2000	FMETL	ND	16900	2150	3.59	6100	5040	15.7	6.88		V,S,P,M
09/01/2000	FMETL	17.6	22000	2780	ND	6530	6400	46.4	6.99		V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 09/01/2000

NOTES:

Page 2 of 2.

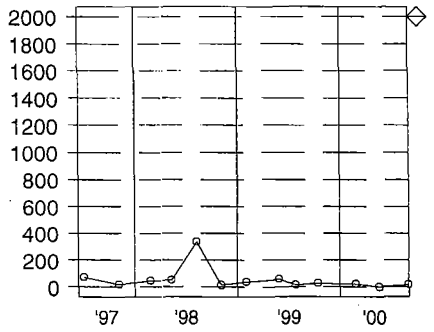
FORT MONMOUTH

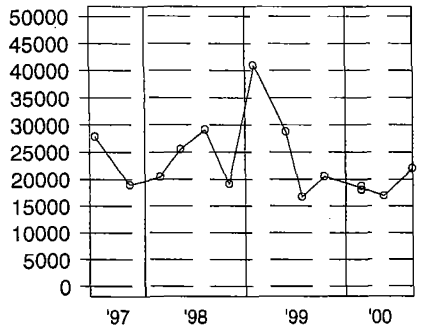
GW MONITORING
Bldg. M-14

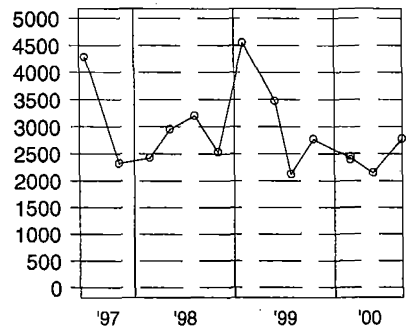
Source 1 of 6

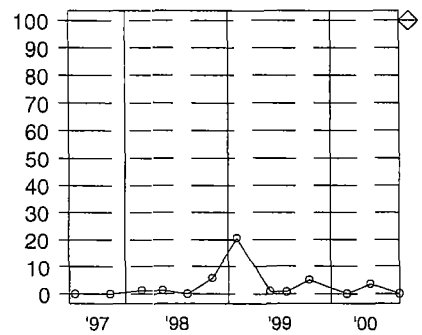
*Ag in blank > GW Criteria for 6/97 & 7/97.

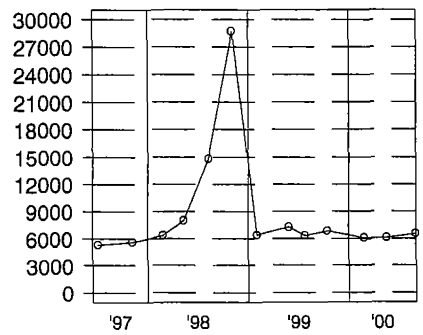
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

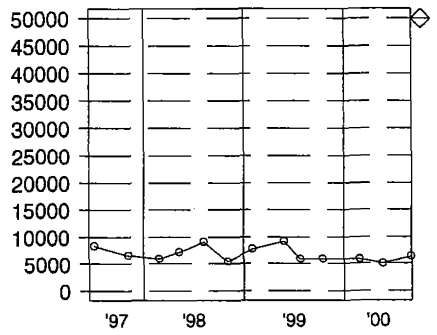


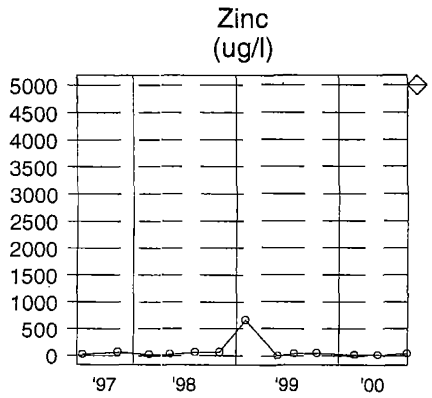


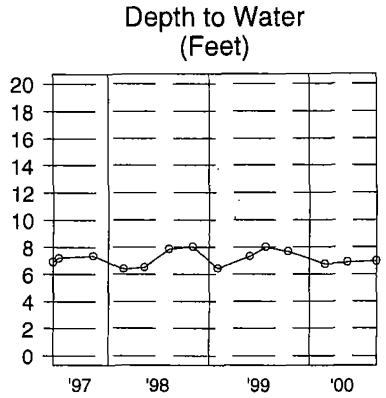












SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 09/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 1 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-22-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	900	300	50	20	200	20	8	-
06/12/1997	FMETL	ND	ND	3.86	6990	147	32	-	-	-	V,S,P,M
07/03/1997	FMETL	ND	ND	1.31	2470	75	29	21.2	ND	2	V,S,P,M
11/07/1997	FMETL	ND	ND	2.09	2330	46	ND	71	ND	ND	V,S,P,M
02/23/1998	FMETL	ND	ND	12.5	12550	677	ND	286	ND	ND	V,S,P,M
05/07/1998	FMETL	ND	ND	ND	ND	196	ND	ND	ND	ND	V,S,P,M
08/06/1998	FMETL	14.14	6.58	ND	6680	61	ND	270	2.74	3.77	V,S,P,M
11/03/1998	FMETL	ND	ND	ND	3360	57.8	ND	67.8	ND	3.94	V,S,P,M
01/29/1999	FMETL	ND	ND	ND	7210	146	ND	149	ND	ND	V,S,P,M
05/25/1999	FMETL	ND	ND	ND	1490	88.8	ND	139	ND	ND	V,S,P,M
07/23/1999	FMETL	ND	ND	ND	10600	57.7	ND	365	4.23	3.86	V,S,P,M
10/14/1999	FMETL	ND	ND	ND	59800	445	ND	255	2.58	8.89	V,S,P,M
02/24/2000	FMETL	ND	ND	ND	9570	225	ND	132	ND	5.83	V,S,P,M
05/16/2000	FMETL	ND	ND	ND	5130	167	ND	126	3.27	ND	V,S,P,M
09/01/2000	FMETL	ND	ND	ND	27000	281	3.70	317	ND	14.8	V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 09/01/2000

NOTES:

Page 1 of 2.

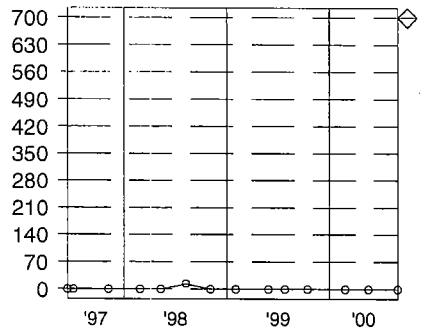
FORT MONMOUTH

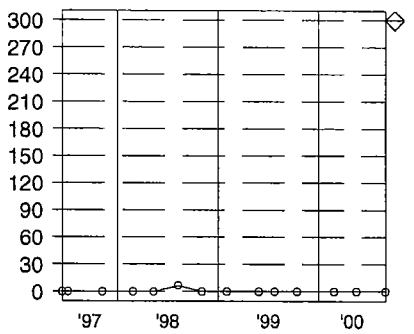
GW MONITORING
Bldg. M-14

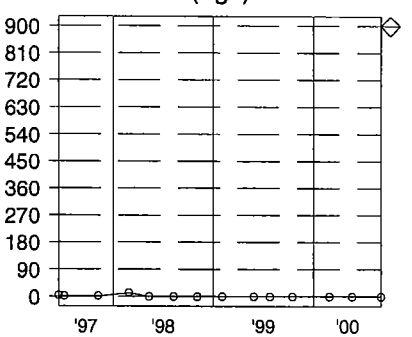
Source 2 of 6

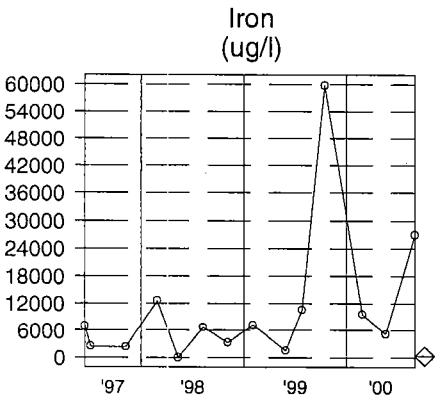
*Ag in blank > GW Criteria for 6/97 & 7/97.

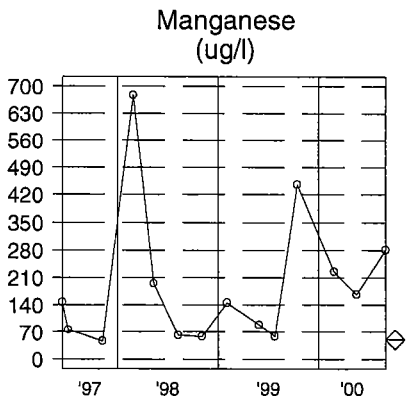
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

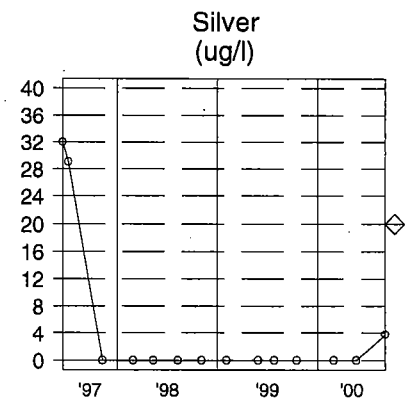


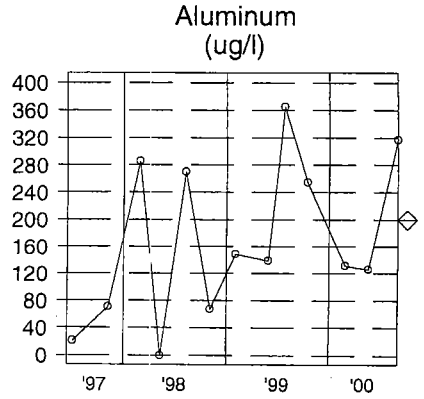


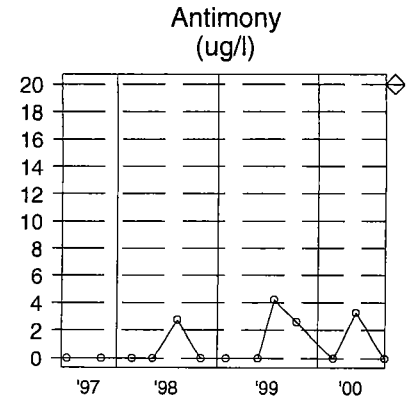


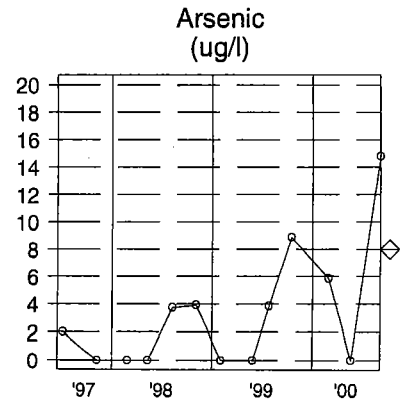












SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 09/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 2 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-22-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	2000	NLE	NLE	100	NLE	50000	5000	-		-
06/12/1997	FMETL	-	-	-	-	-	-	-	6.25		V,S,P,M
07/03/1997	FMETL	14.6	24700	2350	ND	5290	6000	24	6.60		V,S,P,M
11/07/1997	FMETL	14	34440	2420	ND	5080	5860	45	6.50		V,S,P,M
02/23/1998	FMETL	60.4	104400	8500	24	9500	14860	108	5.80		V,S,P,M
05/07/1998	FMETL	25.5	63960	4130	8.4	10450	10630	12	5.85		V,S,P,M
08/06/1998	FMETL	30.6	37300	2980	ND	7570	6400	42.1	6.94		V,S,P,M
11/03/1998	FMETL	17.7	41300	2730	2.59	6110	5760	17.4	7.40		V,S,P,M
01/29/1999	FMETL	22.5	49400	2350	14.6	5550	7180	133	6.20		V,S,P,M
05/25/1999	FMETL	43	45700	5560	4.32	7770	14000	2.3	6.78		V,S,P,M
07/23/1999	FMETL	42.1	35500	3180	1.12	5710	6190	23.7	7.23		V,S,P,M
10/14/1999	FMETL	61.3	89100	6690	49.1	8210	9990	323	6.82		V,S,P,M
02/24/2000	FMETL	35.9	61600	4600	8.52	7220	9380	45.1	6.71		V,S,P,M
05/16/2000	FMETL	ND	49300	3000	28.7	5650	7190	432	6.60		V,S,P,M
09/01/2000	FMETL	63.9	81000	4860	13.2	8850	8850	137	6.68		V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 09/01/2000

NOTES:

Page 2 of 2.

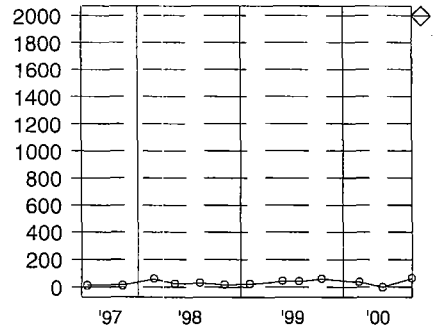
FORT MONMOUTH

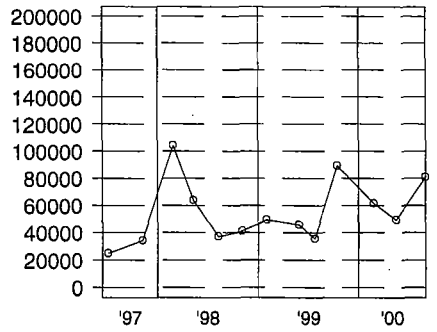
GW MONITORING
Bldg. M-14

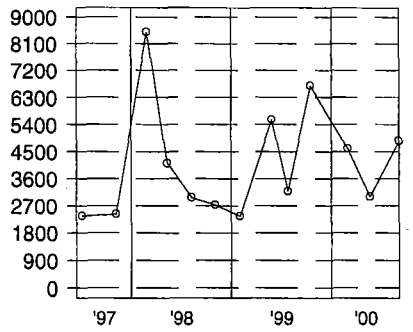
Source 2 of 6

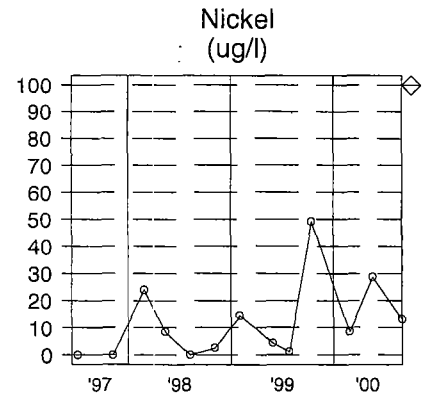
*Ag in blank > GW Criteria for 6/97 & 7/97.

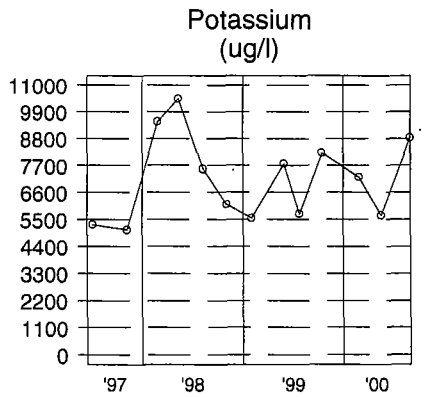
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

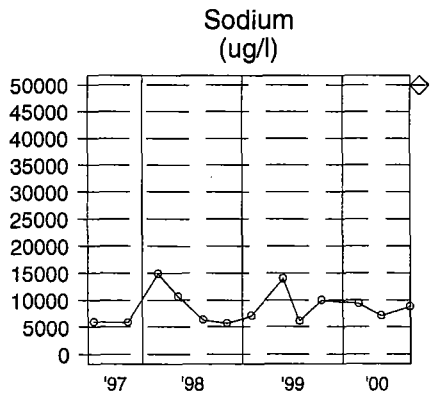


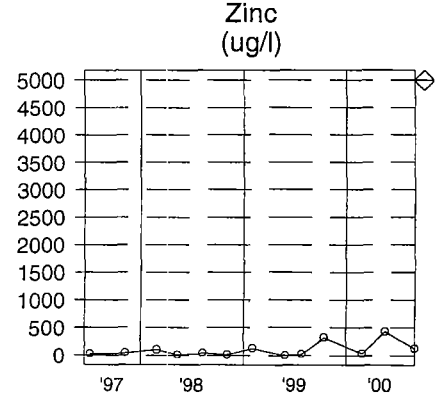


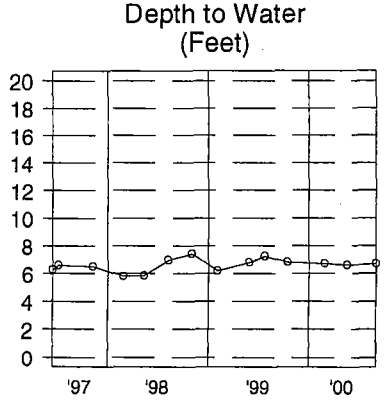












SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 09/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 2 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-22-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butan one	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	900	300	50	20	200	20	8	-
06/12/1997	FMETL	ND	ND	3.66	1470	64	83	-	-	-	V,S,P,M
07/03/1997	FMETL	ND	ND	3.87	940	84	56	26.8	ND	ND	V,S,P,M
11/07/1997	FMETL	ND	ND	1.46	690	58	ND	95	ND	ND	V,S,P,M
02/23/1998	FMETL	ND	ND	ND	5440	85	ND	93	ND	ND	V,S.P.M
05/07/1998	FMETL	ND	ND	ND	1009	54.6	ND	ND	3.4	ND	V,S,P,M
08/06/1998	FMETL	11.41	5.22	ND	3820	91.9	ND	1190	3.8	ND	V,S,P,M
11/03/1998	FMETL	6.57	ND	ND	831	117	ND	93	ND	ND	V,S,P,M
01/29/1999	FMETL	ND	ND	ND	975	67.4	ND	ND	ND	ND	V,S,P,M
05/25/1999	FMETL	ND	ND	ND	29100	231	ND	538	5.05	5.38	V,S,P,M
07/23/1999	FMETL	ND	ND	ND	650	110	ND	64.7	ND	ND	V,S,P,M
10/14/1999	FMETL	ND	ND	ND	1050	77.2	9.16	99.9	2.32	ND	V,S,P,M
02/24/2000	FMETL	ND	ND	ND	871	69.8	ND	ND	ND	ND	V,S,P,M
05/16/2000	FMETL	ND	ND	ND	1040	83.1	ND	56.9	ND	ND	V,S,P,M
09/01/2000	FMETL	6.23	ND	ND	955	71.2	ND	131	ND	ND	V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 09/01/2000

NOTES:

Page 1 of 2.

FORT MONMOUTH

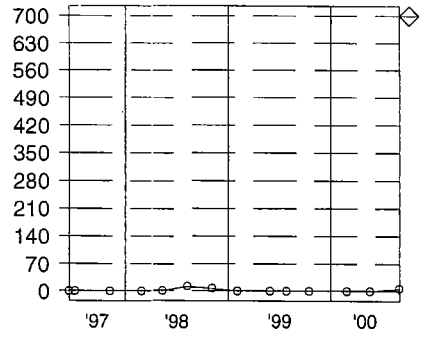
GW MONITORING
Bldg. M-14

Source 3 of 6

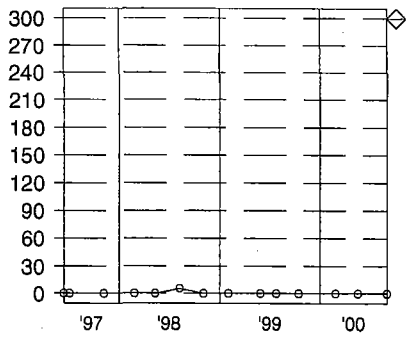
*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

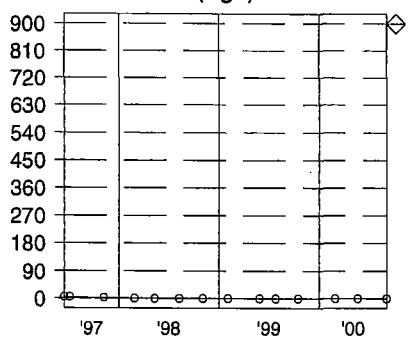
Acetone (ug/l)



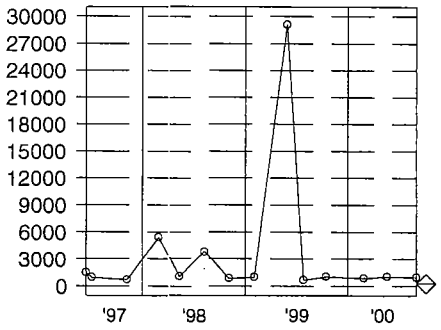
2-Butanone (ug/l)



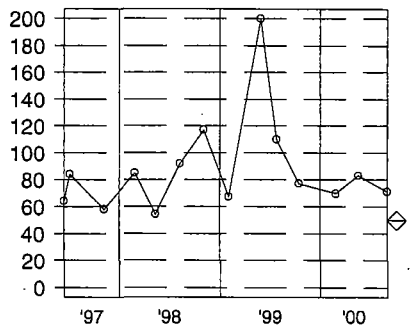
Di-n-butylphthalate (ug/l)



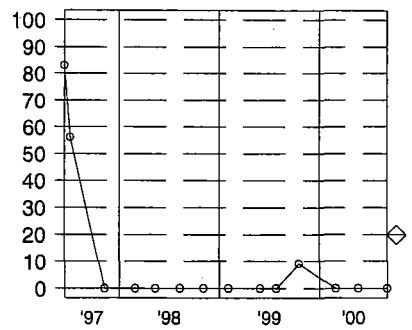
Iron (ug/l)



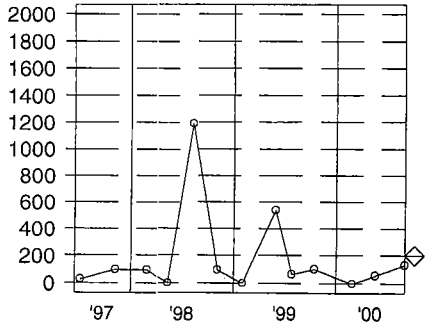
Manganese (ug/l)



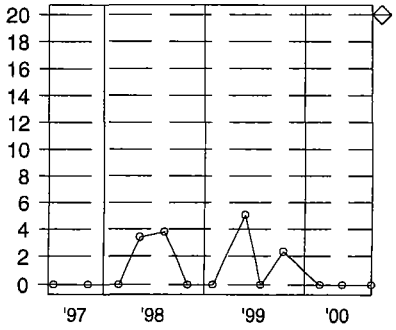
Silver (ug/l)



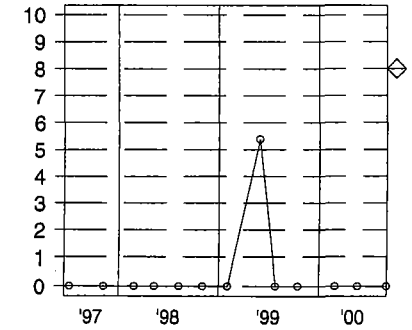
Aluminum (ug/l)



Antimony (ug/l)



Arsenic (ug/l)



SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 09/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 3 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-22-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	2000	NLE	NLE	100	NLE	50000	5000	-		-
06/12/1997	FMETL	-	-	-	-	-	-	-	7.11		V,S,P,M
07/03/1997	FMETL	25.1	29690	4310	ND	6360	6770	26	6.85		V,S,P,M
11/07/1997	FMETL	23.6	34450	4140	5.9	6520	10300	236	7.10		V,S,P,M
02/23/1998	FMETL	97.1	48840	6670	3.8	9230	25370	20	6.10		V,S.P.M
05/07/1998	FMETL	33.1	45440	6389	1.5	10820	11820	ND	6.22		V,S,P,M
08/06/1998	FMETL	43	44200	5090	1.29	12600	7930	47.5	6.83		V,S,P,M
11/03/1998	FMETL	73.4	86800	9390	2.19	11300	38800	ND	6.72		V,S,P,M
01/29/1999	FMETL	26.1	32300	3610	1.17	6240	12300	12	6.27		V,S,P,M
05/25/1999	FMETL	65.2	60700	3870	5.99	7950	9230	27.1	6.58		V,S,P,M
07/23/1999	FMETL	87.9	79100	8940	ND	11200	47000	15.5	7.41		V,S,P,M
10/14/1999	FMETL	28.0	39900	4490	1.14	6580	12000	8.15	7.70		V,S,P,M
02/24/2000	FMETL	18.4	30700	3620	ND	5870	6760	7.62	7.53		V,S,P,M
05/16/2000	FMETL	ND	35000	4070	5.86	6360	7840	105	6.88		V,S,P,M
09/01/2000	FMETL	24.7	33700	3970	ND	6470	6710	27.8	7.34		V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 09/01/2000

NOTES:

Page 2 of 2.

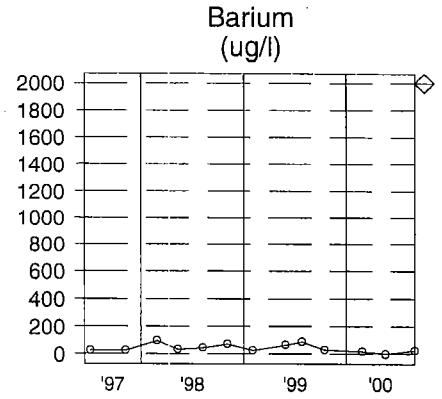
FORT MONMOUTH

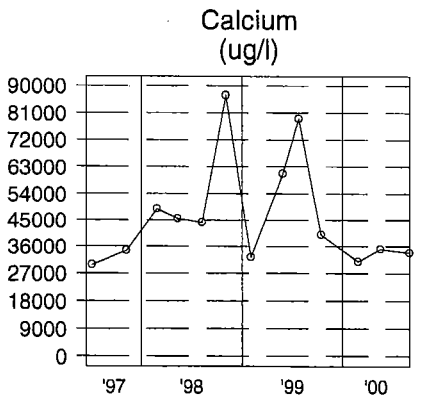
GW MONITORING
Bldg. M-14

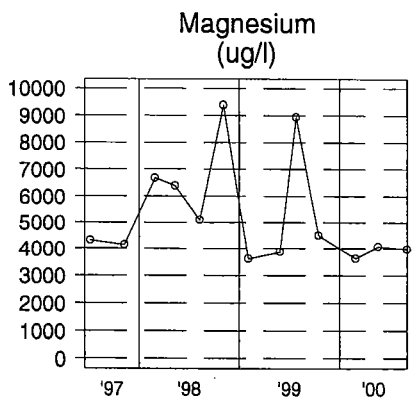
Source 3 of 6

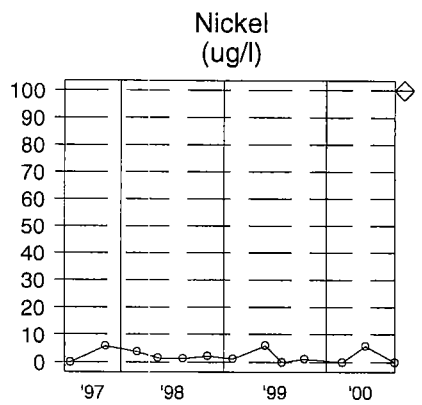
*Ag in blank > GW Criteria for 6/97 & 7/97.

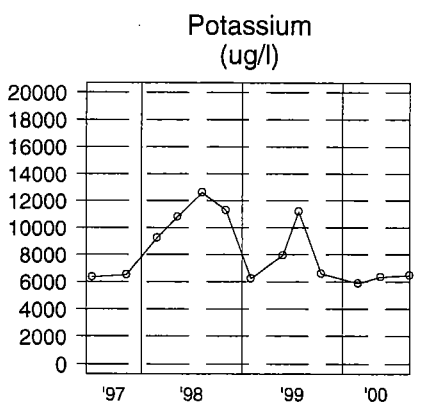
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

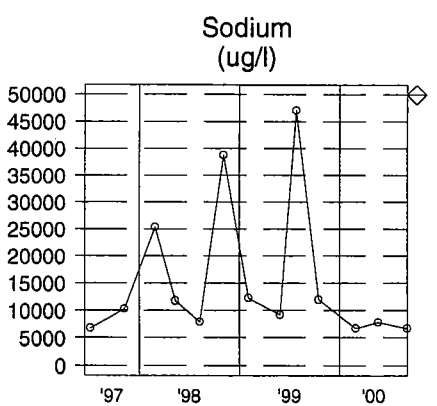


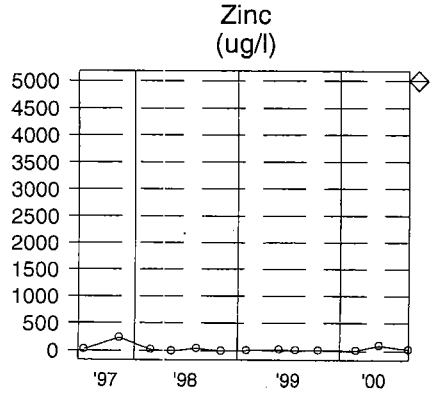


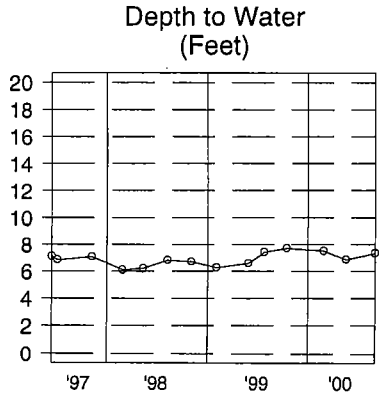












SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 09/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 3 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-22-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Chloro benzene	Iron	Manganese	Aluminum	Barium	Calcium	Magnesium	Nickel	Potassium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	4	300	50	200	2000	NLE	NLE	100	NLE	-
02/24/2000	FMETL	2.61	21400	422	93.4	119	71200	6590	7.19	6180	V,S,P,M
05/16/2000	FMETL	ND	7400	117	45.6	ND	45000	5400	4.12	6170	V,S,P,M
09/01/2000	FMETL	1.56	6580	102	113	45.6	57400	4230	ND	5710	V,S,P,M

SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 09/01/2000

NOTES:

Page 1 of 2.

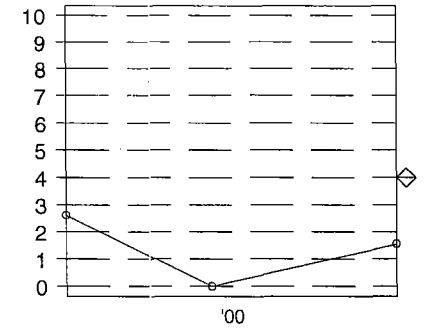
FORT MONMOUTH

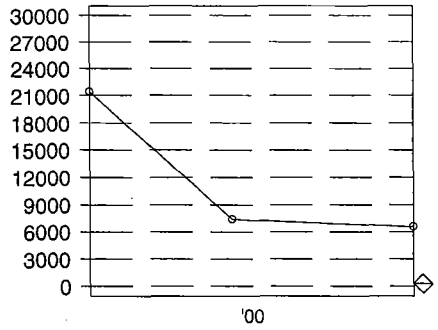
GW MONITORING
Bldg. M-14

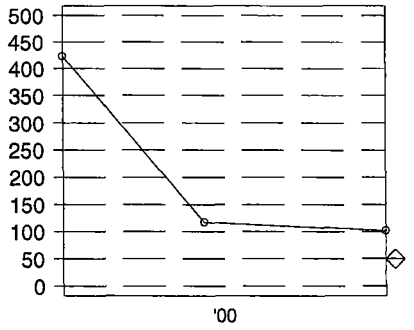
Source 4 of 6

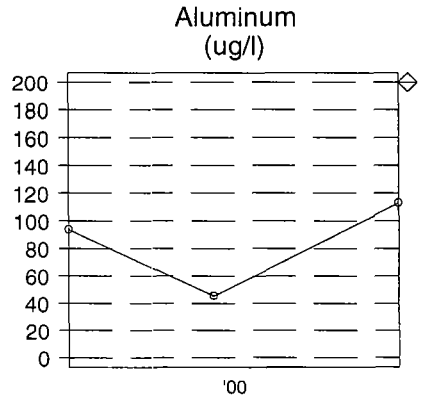
*Ag in blank > GW Criteria for 6/97 & 7/97.

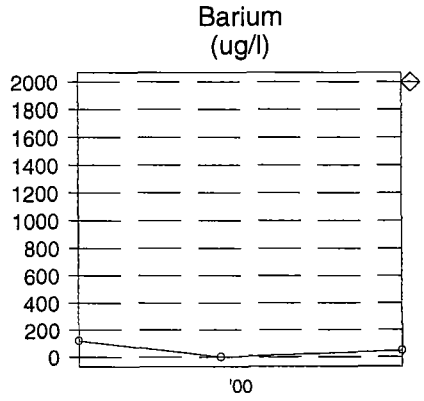
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

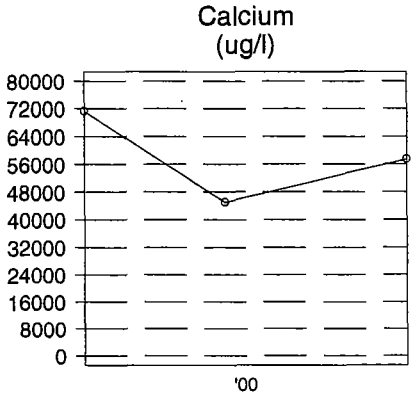


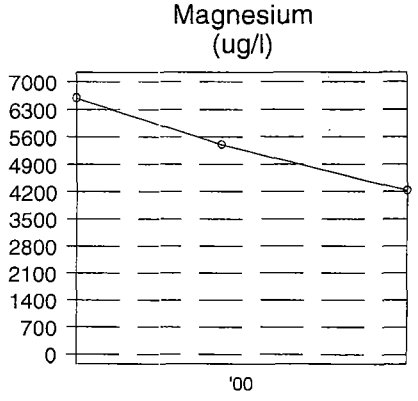


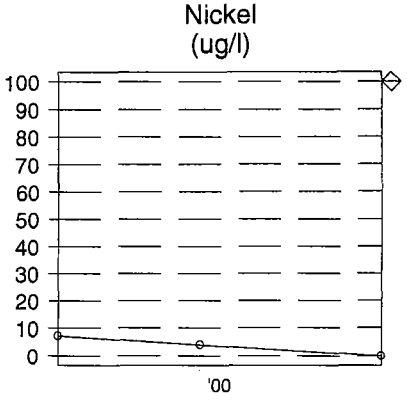


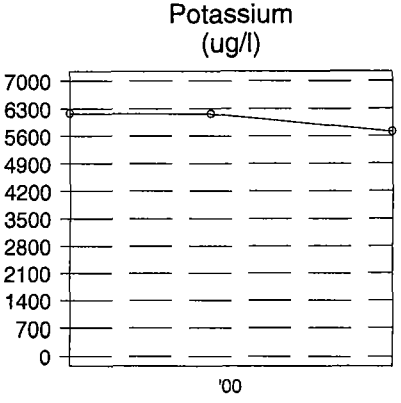












SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 09/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 4 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-22-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Sodium	Zinc	Depth to Water							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	50000	5000	-							-
02/24/2000	FMETL	10500	146	6.99							V,S,P,M
05/16/2000	FMETL	10500	14.9	6.80							V,S,P,M
09/01/2000	FMETL	6540	81.5	6.90							V,S,P,M

SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 09/01/2000

NOTES:

Page 2 of 2.

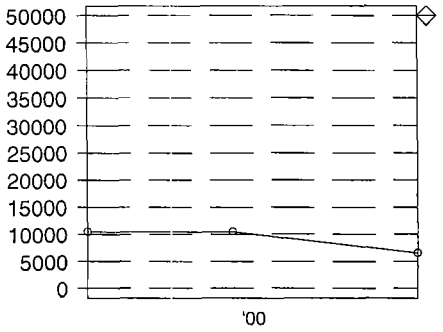
FORT MONMOUTH

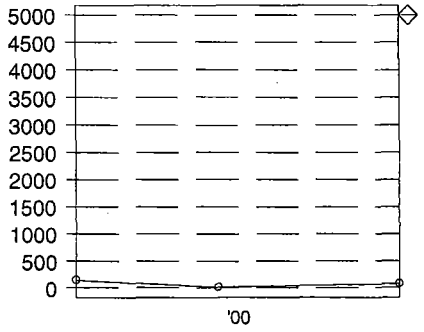
GW MONITORING
Bldg. M-14

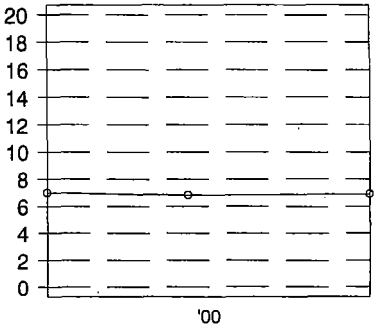
Source 4 of 6

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 09/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 4 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-22-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	4-Methyl phenol	Iron	Manganese	Aluminum	Antimony	Arsenic	Barium	Calcium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	NLE	300	50	200	20	8	2000	NLE	-
02/24/2000	FMETL	ND	ND	20000	395	251	69.7	3.17	76.3	57200	V,S,P,M
05/16/2000	FMETL	ND	ND	6300	159	691	ND	ND	ND	57900	V,S,P,M
05/16/2000D	FMETL	ND	ND	6100	156	624	ND	ND	0.957	57000	V,S,P,M
09/01/2000	FMETL	7.10	4.97	3310	15.7	73.7	ND	4.65	10.8	41500	V,S,P,M

SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 09/01/2000

NOTES:

Page 1 of 2.

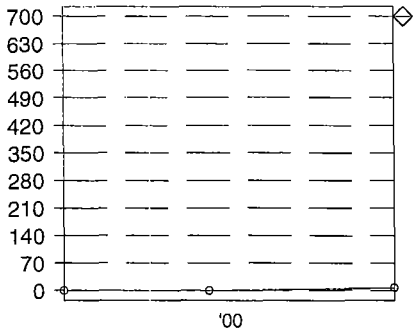
FORT MONMOUTH

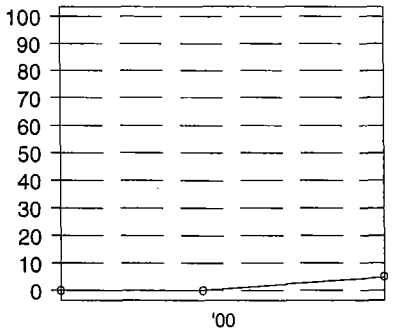
GW MONITORING
Bldg. M-14

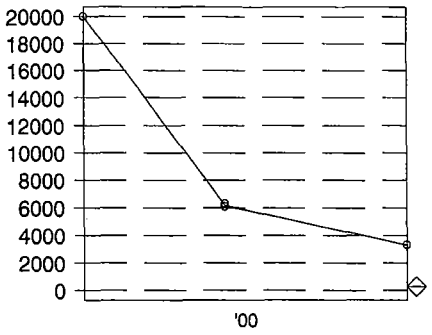
Source 5 of 6

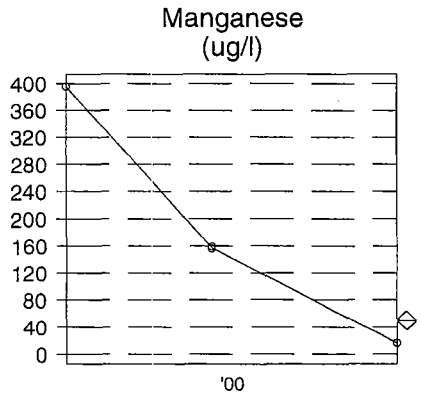
*Ag in blank > GW Criteria for 6/97 & 7/97.

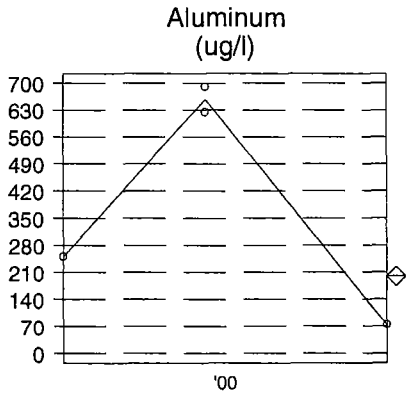
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

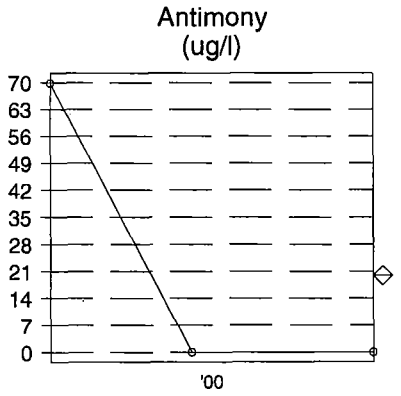


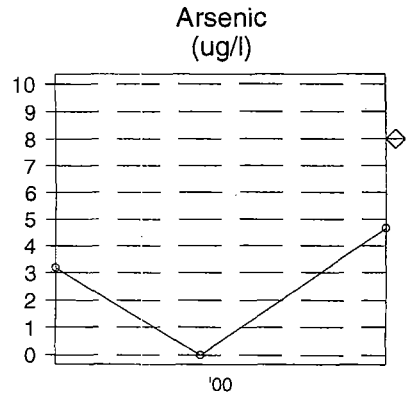


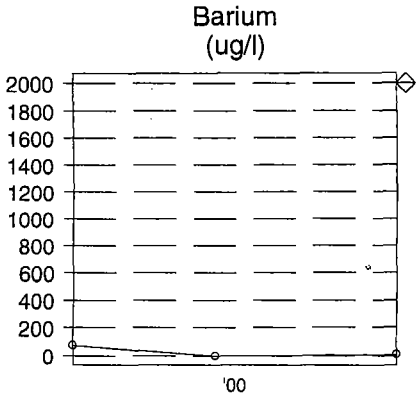


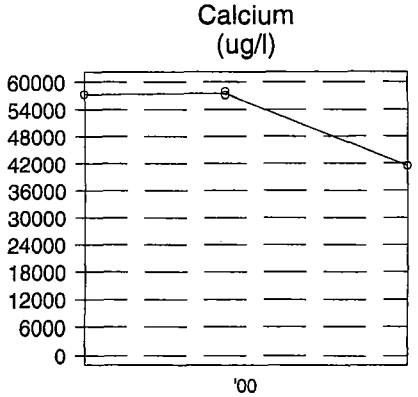












SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 09/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 5 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-22-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	NLE	100	NLE	50000	5000	-				-
02/24/2000	FMETL	25500	15800	7810	30800	413	7.40				V,S,P,M
05/16/2000	FMETL	4120	6.28	5870	5750	861	6.83				V,S,P,M
05/16/2000D	FMETL	3990	6.88	5800	5530	703	6.83				V,S,P,M
09/01/2000	FMETL	3880	ND	5350	6460	36.1	7.03				V,S,P,M

SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 09/01/2000

NOTES:

Page 2 of 2.

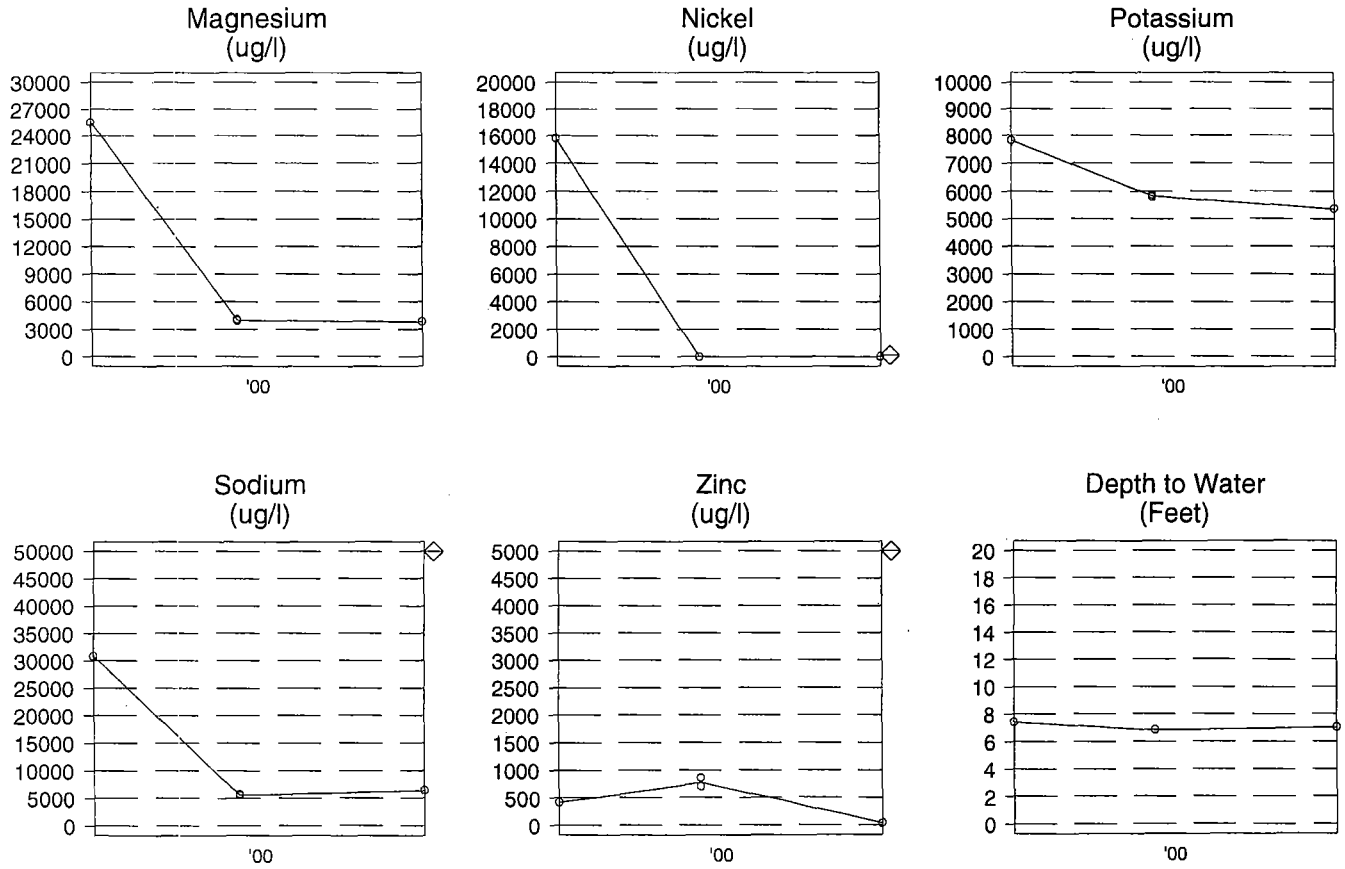
FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 5 of 6

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 09/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 5 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-22-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Phenanthrene	Phenol	4-Methylphenol	Benzoic Acid	Iron	Manganese	Aluminum	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	NLE	4000	NLE	NLE	300	50	200	-
05/16/2000	FMETL	95.59	11.23	1.32	22.55	2.59	19.46	2720	71.3	626	V,S,P,M
09/01/2000	FMETL	6.93	ND	ND	ND	ND	ND	10700	186	1320	V,S,P,M

SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 09/01/2000

NOTES:

Page 1 of 2.

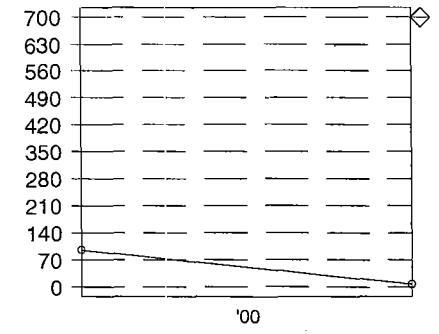
FORT MONMOUTH

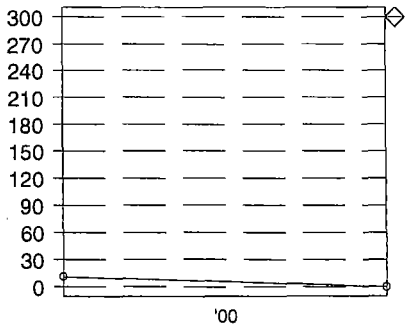
GW MONITORING
Bldg. M-14

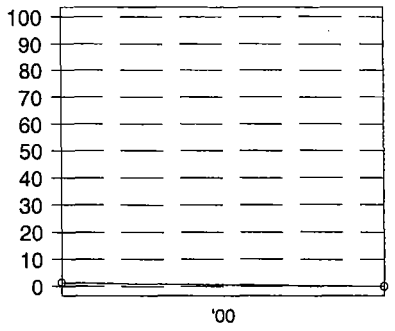
Source 6 of 6

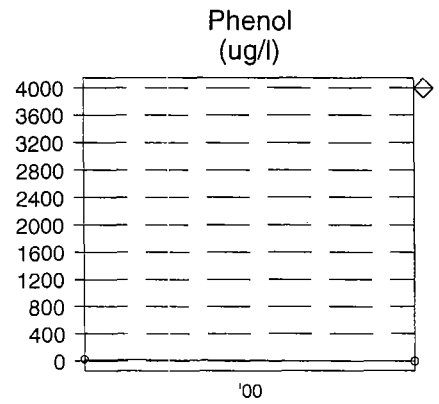
*Ag in blank > GW Criteria for 6/97 & 7/97.

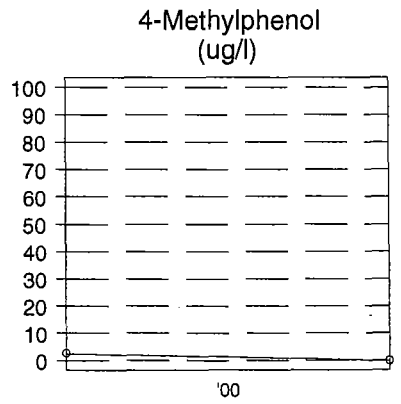
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

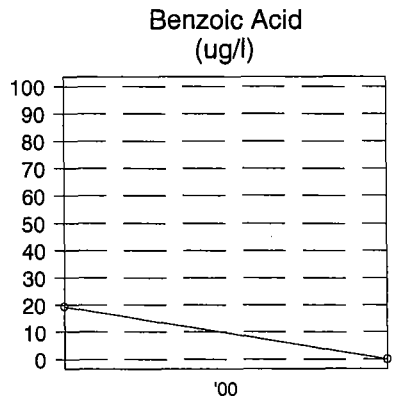


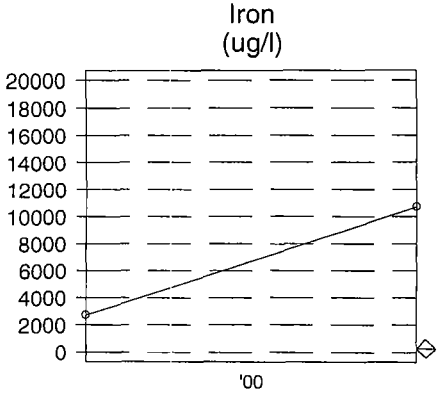


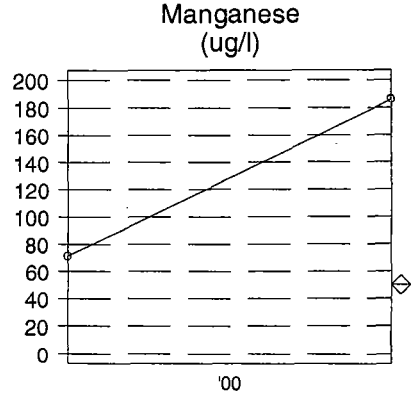


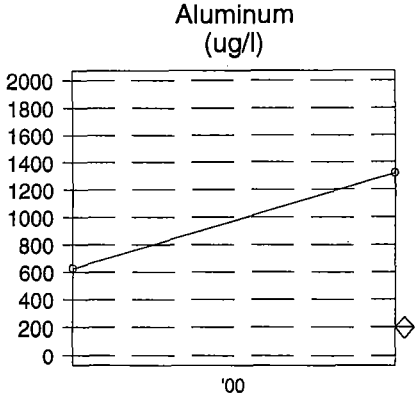












SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 09/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 6 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-22-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Arsenic	Barium	Calcium	Magnesium	Nickel	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:	-	8	2000	NLE	NLE	100	NLE	50000	5000	-	-
05/16/2000	FMETL	28.6	ND	119000	17700	9.43	12900	119000	14.5	7.61	V,S,P,M
09/01/2000	FMETL	24.5	30.7	143000	50900	2.00	28900	169000	50.9	7.57	V,S,P,M

SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 09/01/2000

NOTES:

Page 2 of 2.

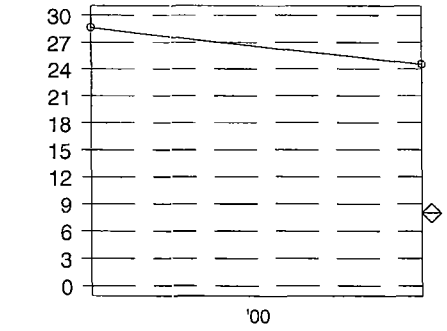
FORT MONMOUTH

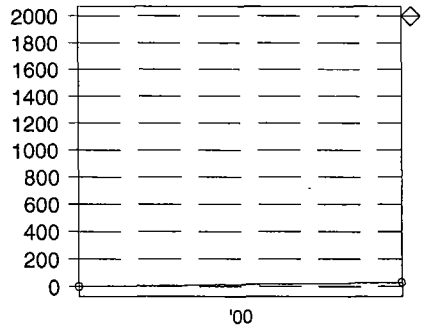
GW MONITORING
Bldg. M-14

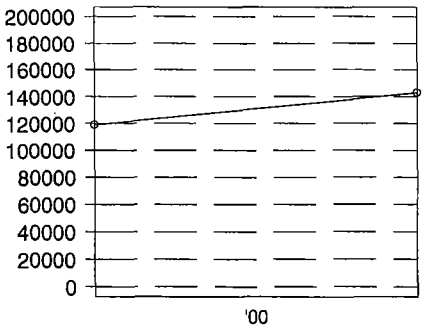
Source 6 of 6

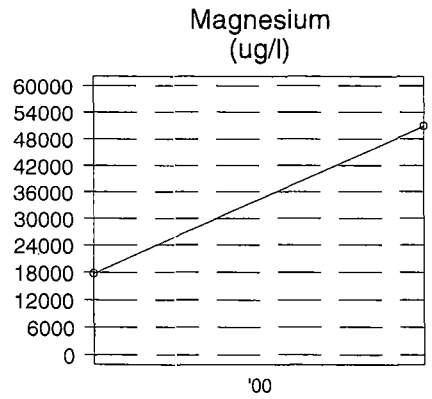
*Ag in blank > GW Criteria for 6/97 & 7/97.

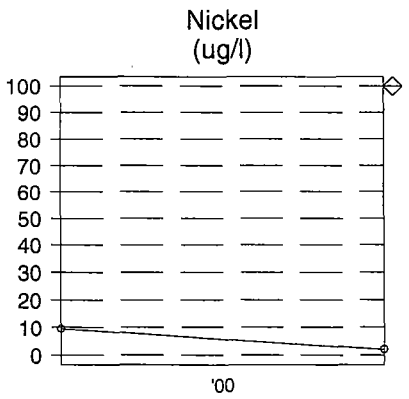
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

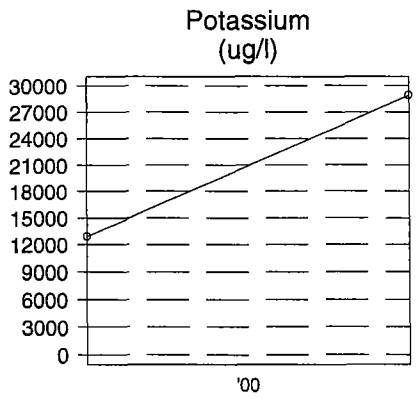


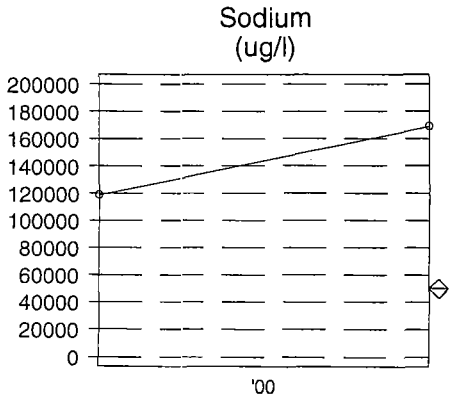


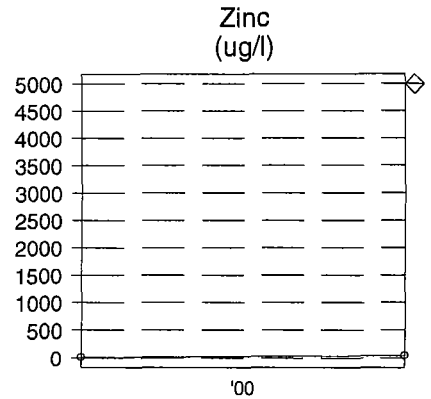


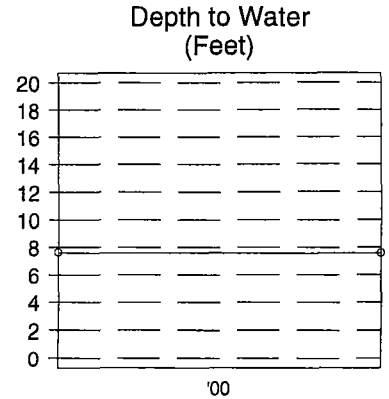












SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 09/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 6 of 6, Graph

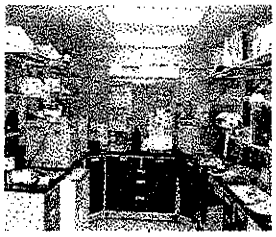
*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-22-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING



ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT: DERA/ Long Term Monitoring
Low Flow/Round II

SAMPLE LOCATION AND IDENTIFICATION

SITE: M-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5762.02	0M14MW19	29-32579	10/02/00
5762.04	0M14MW20	29-32580	10/02/00
5739.04	0M14MW21	29-32581	09/22/00
5762.03	0M14MW22	29-41787	10/02/00
5739.03	0M14MW23	29-41786	09/22/00
5762.06	0M14MW24	29-41788	10/02/00

NJDEP Laboratory Certification # 13461

10-19-00

Daniel Wright/Date
Laboratory Director

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: JFALLON
Phone #: 426223
(✓)DERA ( )OMA ( )Other:_____

Project No: Low Flow
Location: M14

Samplers Name / Company: David Stage - TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	TAL METALS								Remarks / Preservation Method
5739.01	FB	9/22/00	0910	AQ	1	✓								HNO_3
.02	FD	"	—	AQ	1	✓								"
.03	M14MW23	"	1015	AQ	1	✓								"
.04	M14MW21	"	1155	AQ	1	✓								"

Analysis Parameters

Comments:

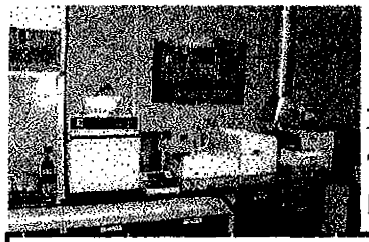
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
	9/22/00 12:55				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

Coc.xls8/16/00



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: JFALLON
Phone #: X27223
(✓)DERA ( )OMA ( )Other:_____

Project No: Low Flow
Location: MH

Samplers Name / Company: DAVID SHARPE

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	TAL METALS								Remarks / Preservation Method
37(02. 1	FB	10/2/00	0900	AQ	1	✓								HNO_3
2	MHMW19	"	1040	AQ	1	✓								"
3	MHMW22	"	1200	AQ	1	✓								"
4	MHMW20	"	1505	AQ	1	✓								"
5	FD	"	—	AQ	1	✓								"
6	MHMW24	"	1540	AQ	1	✓								"

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Paul Bo	10/2/00 1545	J. Ulmer			
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

Coc.xls8/16/00

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14 Landfill
MW#: 0M14MW19
NJDEP ID#29-32579
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 10/02/00
WEATHER: Overcast, cool.
TIDE: Low, outgoing
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 0.2 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:147.0 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 6.79 ft
Before Purge Start: 6.79 ft **Previous Day: 6.80 ft** **After Sampling: 6.75 ft**
DEPTH OF WELL: 17.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 14.5 ft
HEIGHT OF WATER: 10.71 ft
10.71 X .65 X 3 = 20.88
GALLONS OF H2O TO BE PURGED: 21 Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min): PERISTALTIC PUMP
Purged at 270 mL/Min or Gal/Min. (mL to gal: mL (.0002642)=gal)
PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

TUBING: Food grade Polyethylene 1/4"/Silicon
(.65 for 4", .163 for 2")

PURGE START TIME: 09:45
pH 5.89 su
DISSOLVED O_2 0.80 mg/L
TEMP 15.35 °C
SPECIFIC CONDUCTIVITY 79.93 ms/cm

PURGE END TIME: 10:41
pH 6.02 su
DISSOLVED O_2 0.27 mg/L
TEMP 15.73 °C
SPECIFIC CONDUCTIVITY 78.25 ms/cm

DEPTH TO H_2O AFTER PURGE AND SAMPLING: 6.75 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 10:35
pH 6.03 su
DISSOLVED O_2 0.26 mg/L
TEMP 15.97 °C
SPECIFIC CONDUCTIVITY 78.79 ms/cm

SAMPLE END TIME: 10:40
ANALYTES: TAL Metals
COMMENTS:

FIELD READINGS

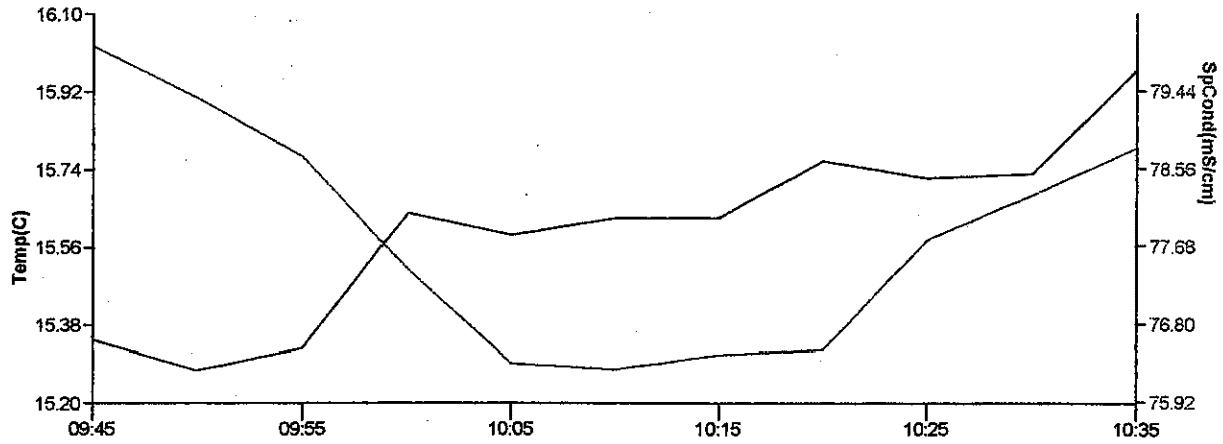
MW: 0M14MW19
NJDEP ID#: 29-32579
DATE:10 /02/00

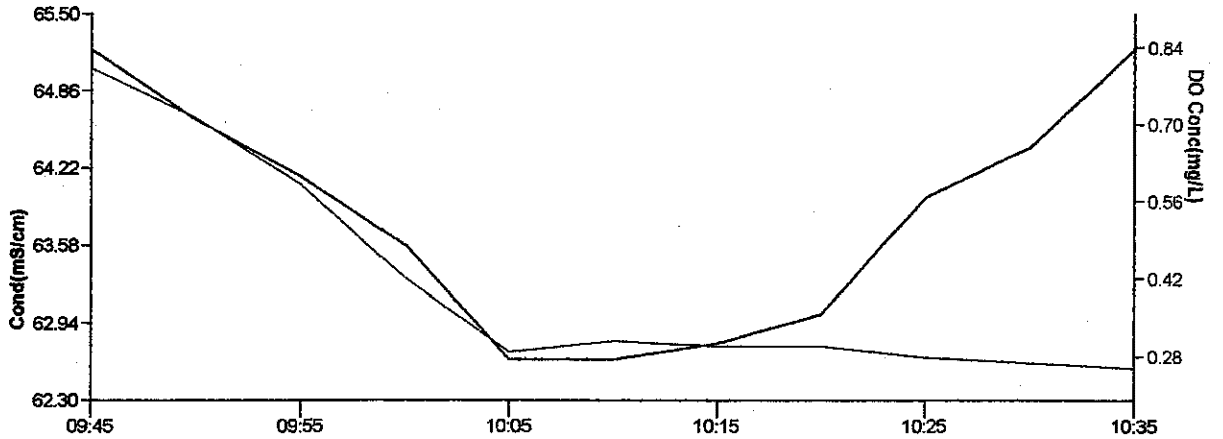
Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
9:45	5.89	15.35	65.2	79.93	0.8	7.54	6.79	270	
9:50	5.93	15.28	64.62	79.35	0.71	4.18	6.79	270	
9:55	5.98	15.33	64.15	78.69	0.59	1.82	6.79	270	
10:00	6	15.64	63.58	77.42	0.42	0.95	6.79	270	
10:05	6.02	15.59	62.65	76.37	0.29	0.8	6.79	270	
10:10	6.02	15.63	62.65	76.3	0.31	0.98	6.79	270	
10:15	6.02	15.63	62.78	76.46	0.3	0.96	6.79	270	
10:20	6.03	15.76	63.02	76.52	0.3	1.37	6.79	270	
10:25	6.03	15.72	63.97	77.75	0.28	1.71	6.79	270	
10:30	6.02	15.73	64.39	78.25	0.27	1.78	6.79	270	
10:35	6.03	15.97	65.2	78.79	0.26	1.53	6.75	270	

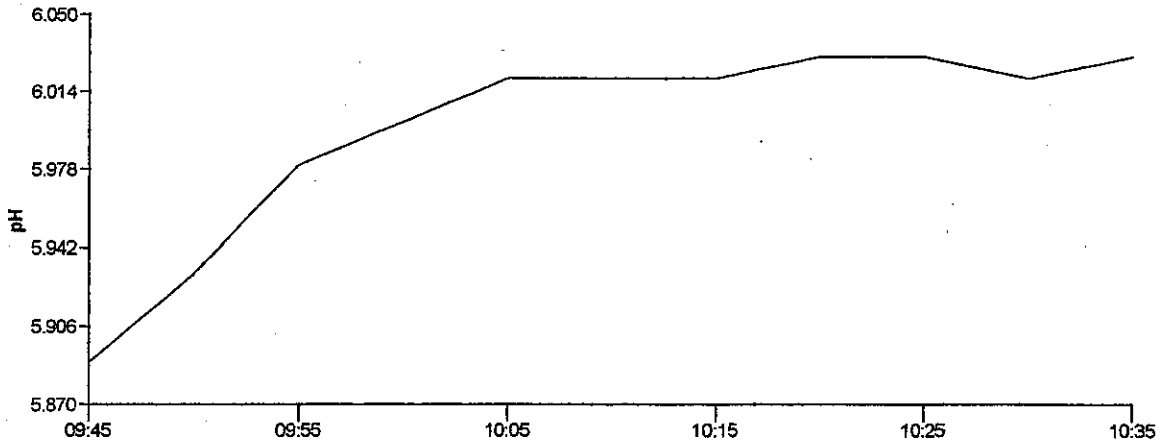
Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
945	7.54	6.79	270
950	4.18	6.79	270
955	1.82	6.79	270
1000	0.95	6.79	270
1005	0.80	6.79	270
1010	0.99	6.79	270
1015	0.96	6.78	270
1020	1.37	6.78	270
1025	1.71	6.77	270
1030	1.78	6.75	270
1035	1.53	6.75	270

M14MW19-2 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH







10/02/00 10/02/00 10/02/00 10/02/00 10/02/00 10/02/00

(10/02/00)

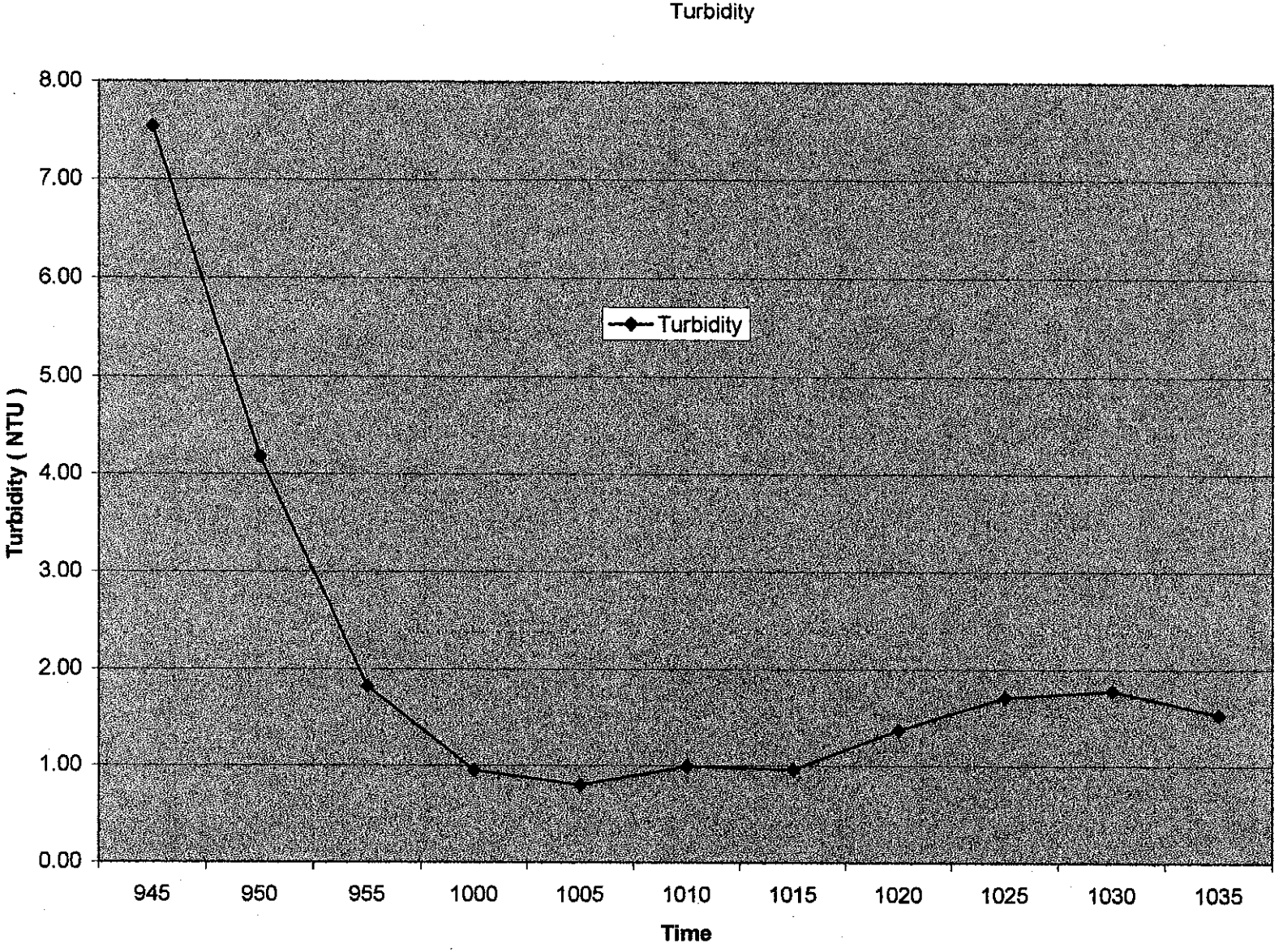
M14mw19-

M14MW19-2 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

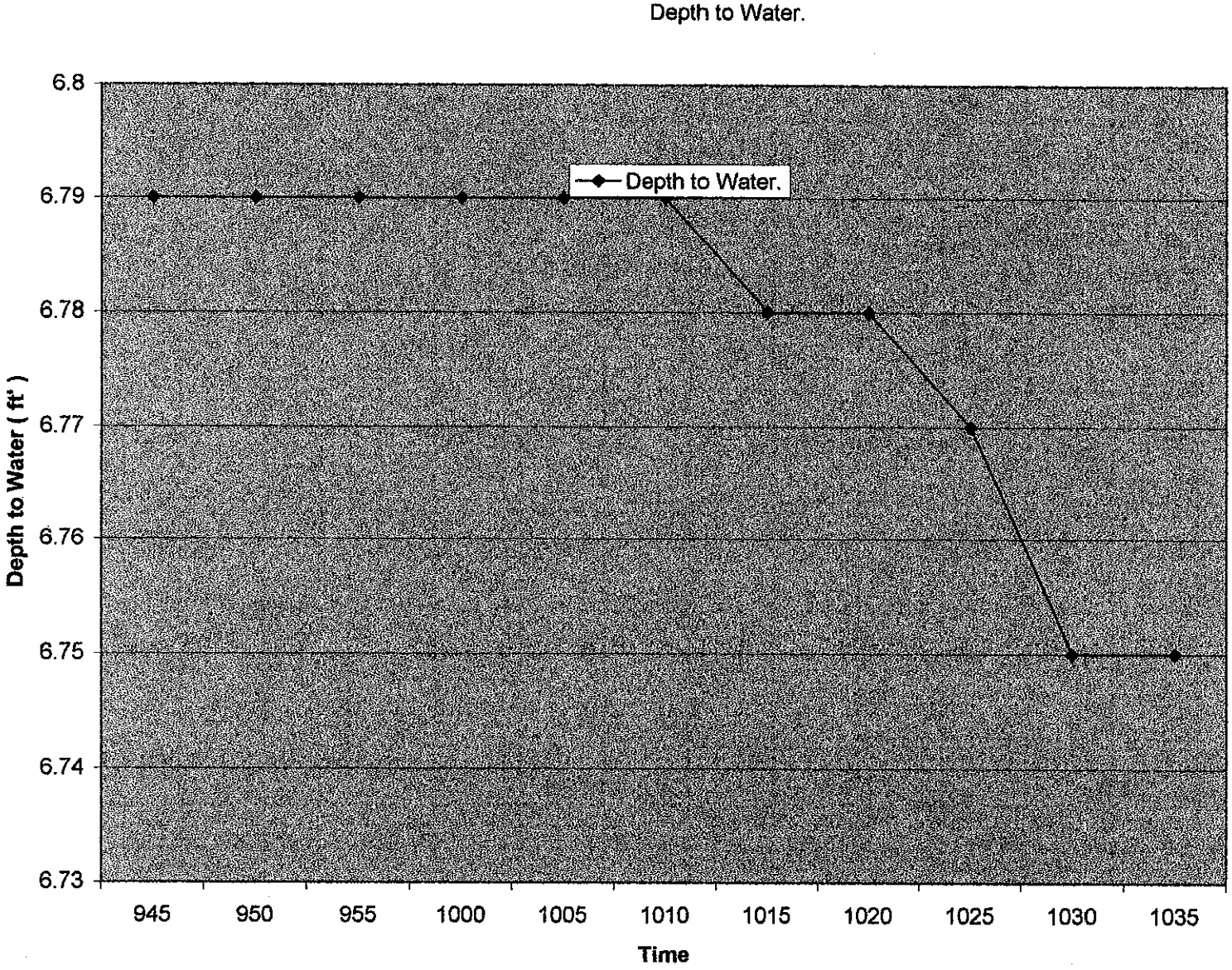
From 10/02/00 09:45 to 10/02/00 10:35
Number of samples: 11

10/02/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
10/02/00 09:45	15.35	79.930	65.200	0.80	5.89
10/02/00 09:50	15.28	79.350	64.620	0.71	5.93
10/02/00 09:55	15.33	78.690	64.150	0.59	5.98
10/02/00 10:00	15.64	77.420	63.580	0.42	6.00
10/02/00 10:05	15.59	76.370	62.650	0.29	6.02
10/02/00 10:10	15.63	76.300	62.650	0.31	6.02
10/02/00 10:15	15.63	76.460	62.780	0.30	6.02
10/02/00 10:20	15.76	76.520	63.020	0.30	6.03
10/02/00 10:25	15.72	77.750	63.970	0.28	6.03
10/02/00 10:30	15.73	78.250	64.390	0.27	6.02
10/02/00 10:35	15.97	78.790	65.200	0.26	6.03

M14MW19
Permit #: 29-32579
10/02/00

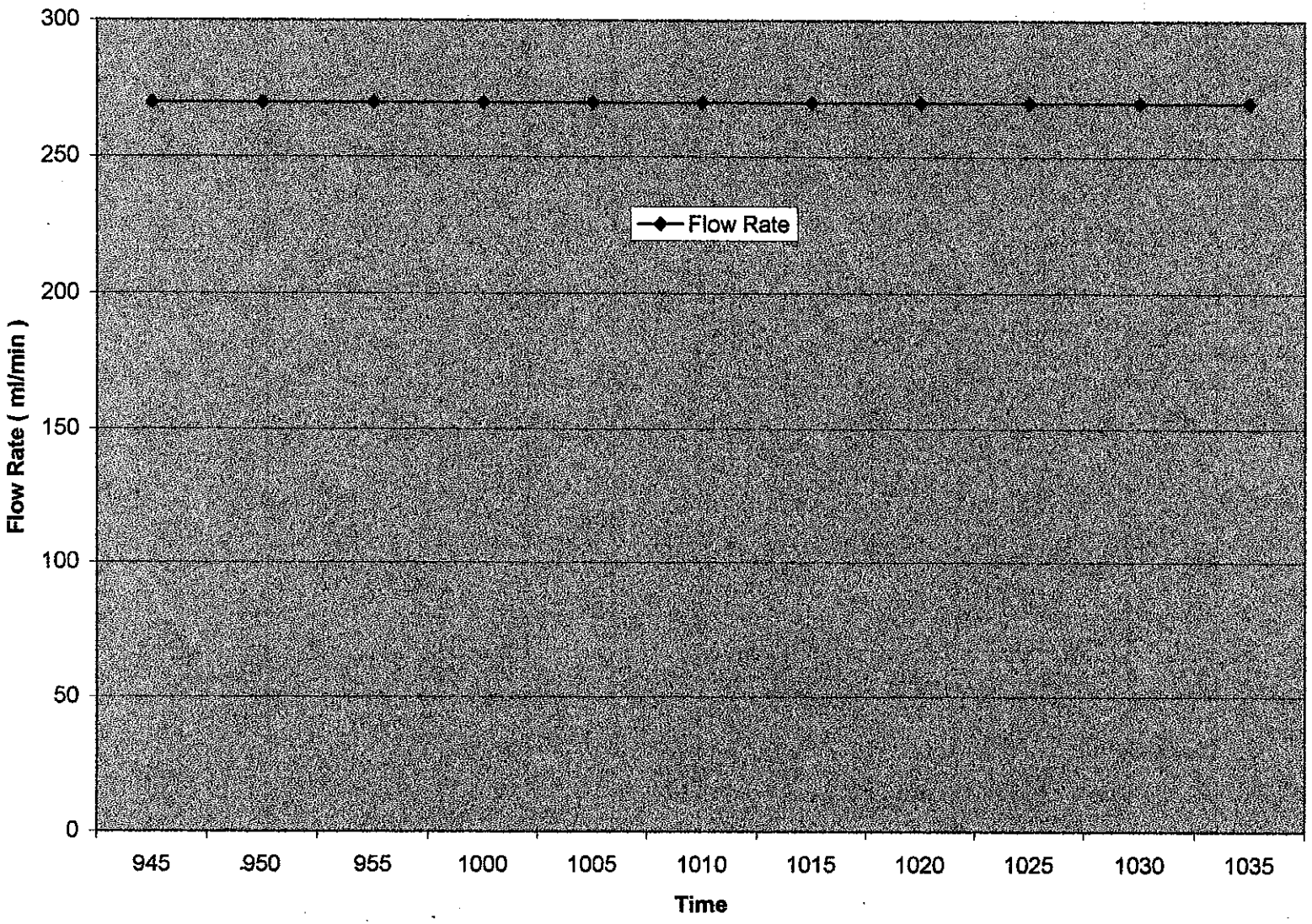


M14MW19
Permit #: 29-32579
10/02/00



M14MW19
Permit #: 29-32579
10/02/00

Flow Rate



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14 Landfill
MW#: 0M14MW20
NJDEP ID#29-32580
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 10/02/00
WEATHER: Overcast, humid
TIDE: Low
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 0.1 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:147.0 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 6.45 ft
Before Purge Start: 6.45 ft **Previous Day: 6.50 ft** **After Sampling: 6.60 ft**
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 14.0 ft
TUBING: Food grade Polyethylene 1/4"/Silicon
HEIGHT OF WATER: 10.45 ft
10.45 X .65 X 3 = 20.38
(0.65 for 4", 0.163 for 2")
GALLONS OF H2O TO BE PURGED: 20 Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min): PERISTALTIC PUMP
Purged at 290 mL/Min or Gal/Min. (mL to gal: mL (.0002642)=gal)
PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

PURGE START TIME: 12:25
pH 6.54 su
TEMP 15.99 °C
DISSOLVED O_2 0.53 mg/L
SPECIFIC CONDUCTIVITY 108.9 ms/cm

PURGE END TIME: 13:05
pH 6.51 su
TEMP 16.44 °C
DISSOLVED O_2 0.21 mg/L
SPECIFIC CONDUCTIVITY 106.3 ms/cm

DEPTH TO H_2O AFTER PURGE AND SAMPLING: 6.60 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 13:00
pH 6.51 su
TEMP 16.39 °C
DISSOLVED O_2 0.21 mg/L
SPECIFIC CONDUCTIVITY 105.8 ms/cm

SAMPLE END TIME: 13:04
ANALYTES: TAL Metals
COMMENTS: Duplicate here.

FIELD READINGS

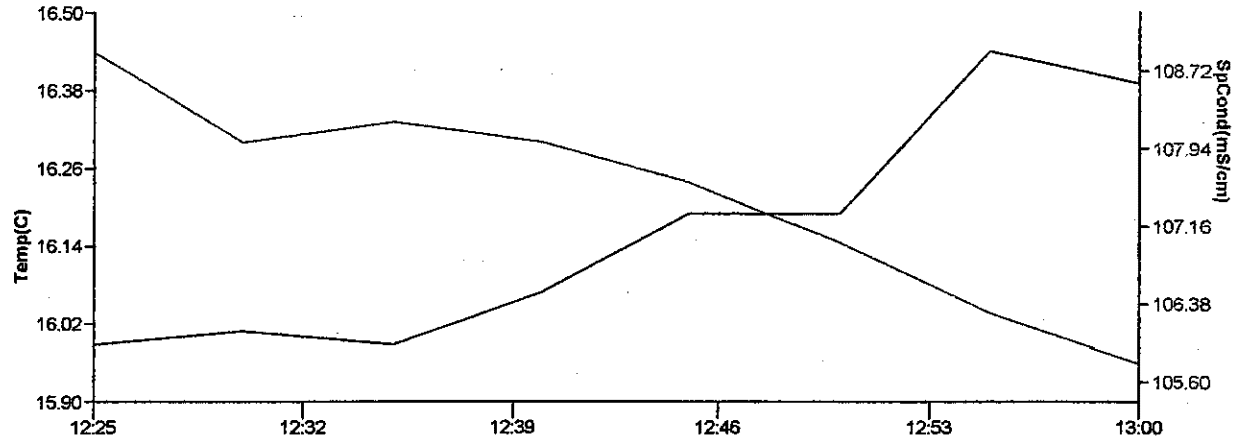
MW: 0M14MW20
NJDEP ID#: 29-32580
DATE:10/02/00

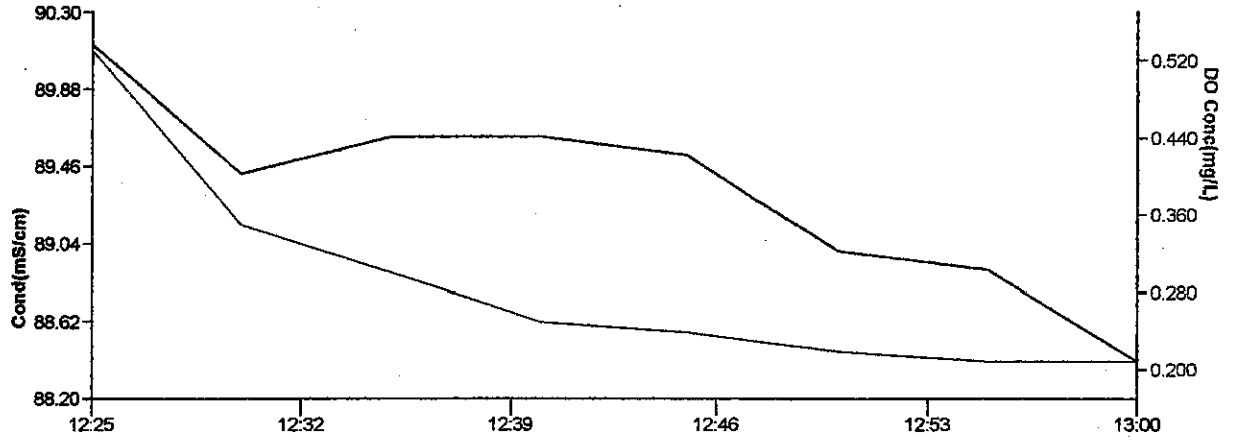
Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
12:25	6.54	15.99	90.12	108.9	0.53	4.1	6.45	290	
12:30	6.51	16.01	89.42	108	0.35	2	6.45	290	
12:35	6.51	15.99	89.62	108.2	0.3	1.9	6.45	290	
12:40	6.5	16.07	89.62	108	0.25	1.27	6.45	290	
12:45	6.51	16.19	89.52	107.6	0.24	1.51	6.45	290	
12:50	6.51	16.19	89	107	0.22	1.66	6.45	290	
12:55	6.51	16.44	88.9	106.3	0.21	1.93	6.45	290	
13:00	6.51	16.39	88.41	105.8	0.21	1.27	6.6	290	

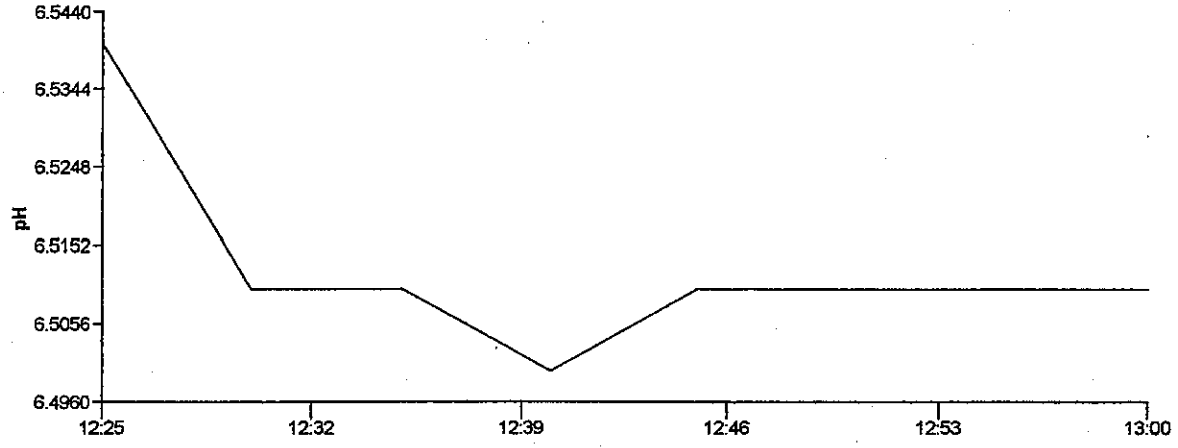
Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1225	4.10	6.45	290
1230	2.00	6.45	290
1235	1.90	6.45	290
1240	1.27	6.5	290
1245	1.51	6.5	290
1250	1.66	6.55	290
1255	1.93	6.55	290
1300	1.27	6.6	290

M14MW20-2 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH







10/02/00 10/02/00 10/02/00 10/02/00 10/02/00 10/02/00

(10/02/00)

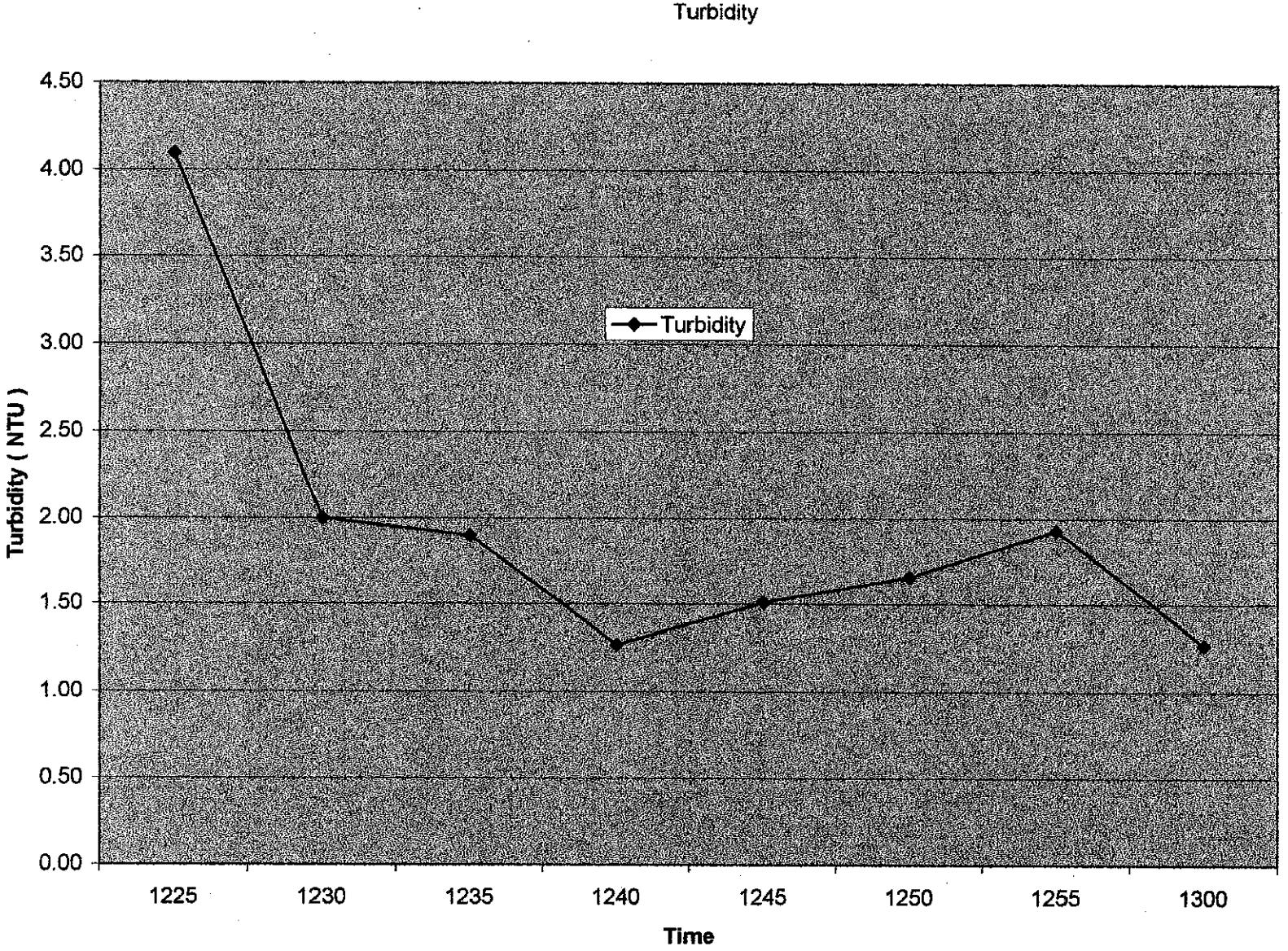
M14mw20-

M14MW20-2 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

From 10/02/00 12:25 to 10/02/00 13:00
Number of samples: 8

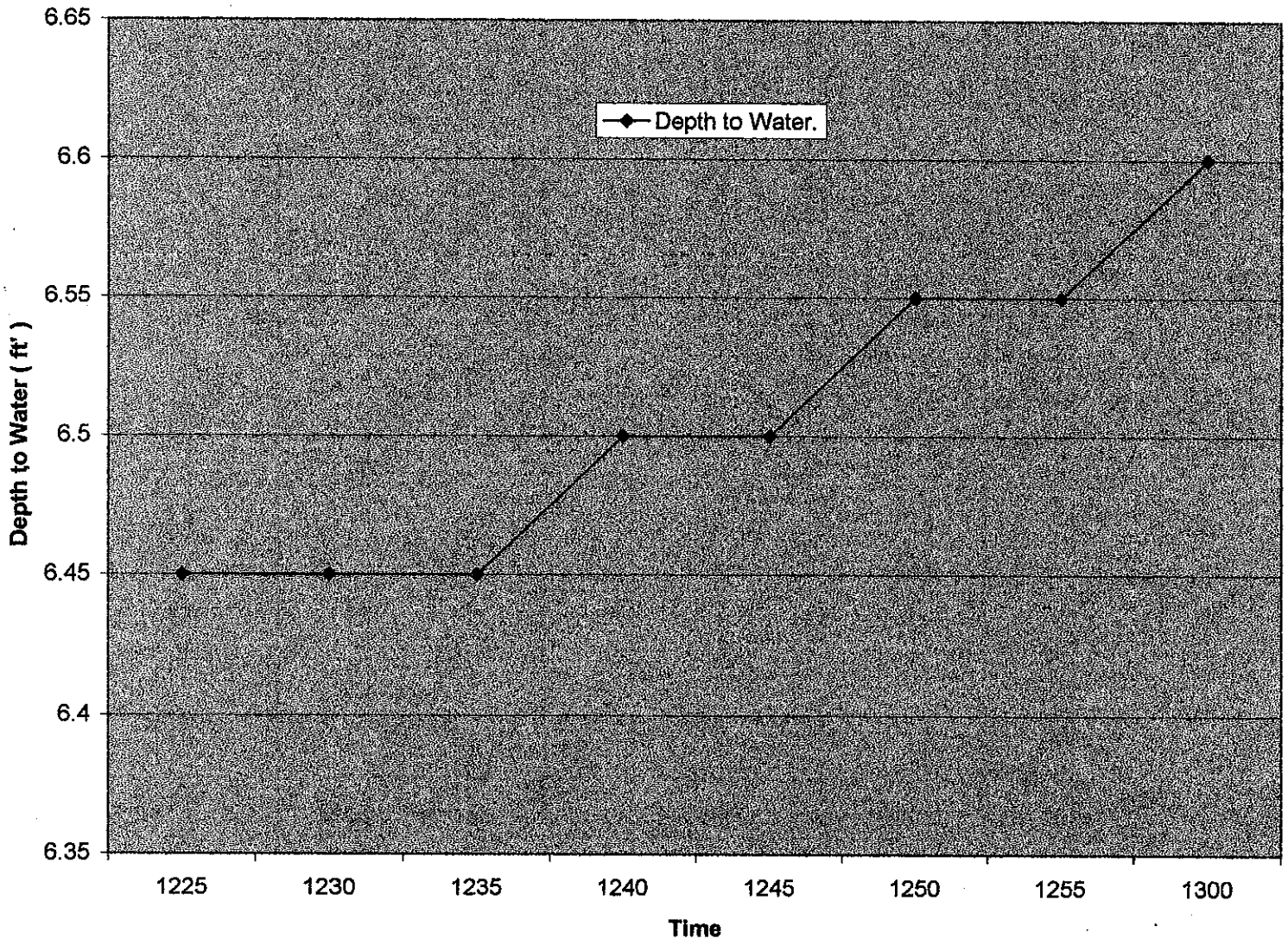
10/02/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
10/02/00 12:25	15.99	108.900	90.120	0.53	6.54
10/02/00 12:30	16.01	108.000	89.420	0.35	6.51
10/02/00 12:35	15.99	108.200	89.620	0.30	6.51
10/02/00 12:40	16.07	108.000	89.620	0.25	6.50
10/02/00 12:45	16.19	107.600	89.520	0.24	6.51
10/02/00 12:50	16.19	107.000	89.000	0.22	6.51
10/02/00 12:55	16.44	106.300	88.900	0.21	6.51
10/02/00 13:00	16.39	105.800	88.410	0.21	6.51

M14MW20
Permit #: 29-32577
10/02/00



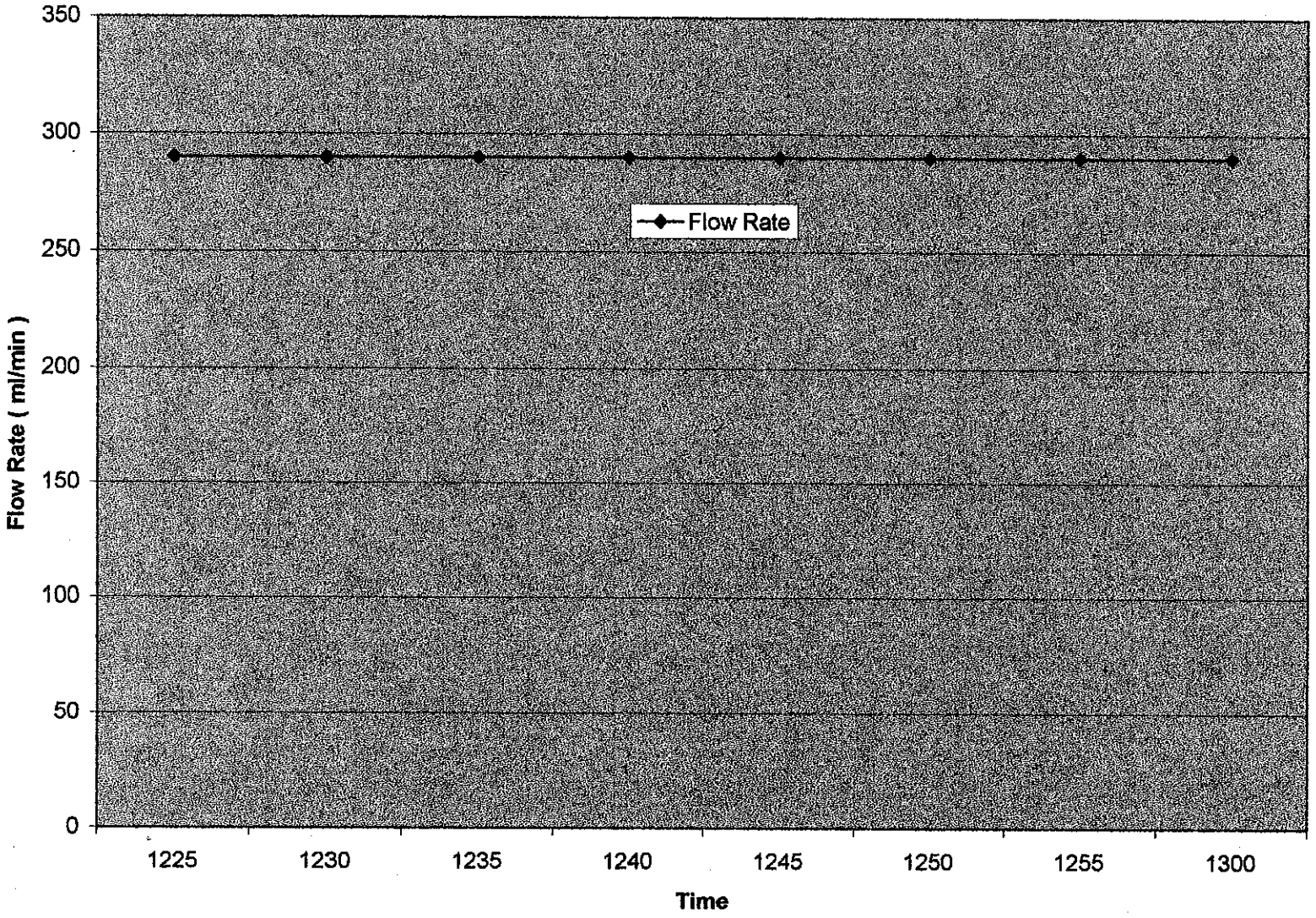
0080MW05
Permit #: 29-43202
09/06/00

Depth to Water.



0080MW05
Permit #: 29-43202
09/06/00

Flow Rate



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14 Landfill
MW#: 0M14MW21
NJDEP ID#29-32581
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 09/22/00
WEATHER: Sunny
TIDE: Low, outgoing
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 0.1 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond: 147.0 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 7.4 ft
Before Purge Start: 7.40 ft **Previous Day: 7.30 ft** **After Sampling: 8.40 ft**
DEPTH OF WELL: 19.30 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 16.0 ft
TUBING: Food grade Polyethylene 1/4"/Silicon
HEIGHT OF WATER: 11.9 ft
11.9 X .65 X 3 = 23.2
(0.65 for 4", 0.163 for 2")
GALLONS OF H2O TO BE PURGED: 23 Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min): PERISTALTIC PUMP
Purged at 230 mL/Min or Gal/Min. (mL to gal: mL (.0002642)=gal)
PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

PURGE START TIME: 11:10
pH 6.54 su
TEMP 18.64 °C
DISSOLVED O_2 0.0 mg/L
SPECIFIC CONDUCTIVITY 1401 ms/cm

PURGE END TIME: 11:55
pH 6.53 su
TEMP 18.54 °C
DISSOLVED O_2 0.0 mg/L
SPECIFIC CONDUCTIVITY 1369 ms/cm

DEPTH TO H_2O AFTER PURGE AND SAMPLING: 8.40 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 11:51
pH 6.52 su
TEMP 18.44 °C
DISSOLVED O_2 0.0 mg/L
SPECIFIC CONDUCTIVITY 1370 ms/cm

SAMPLE END TIME: 11:54
ANALYTES: TAL Metals
COMMENTS:

FIELD READINGS

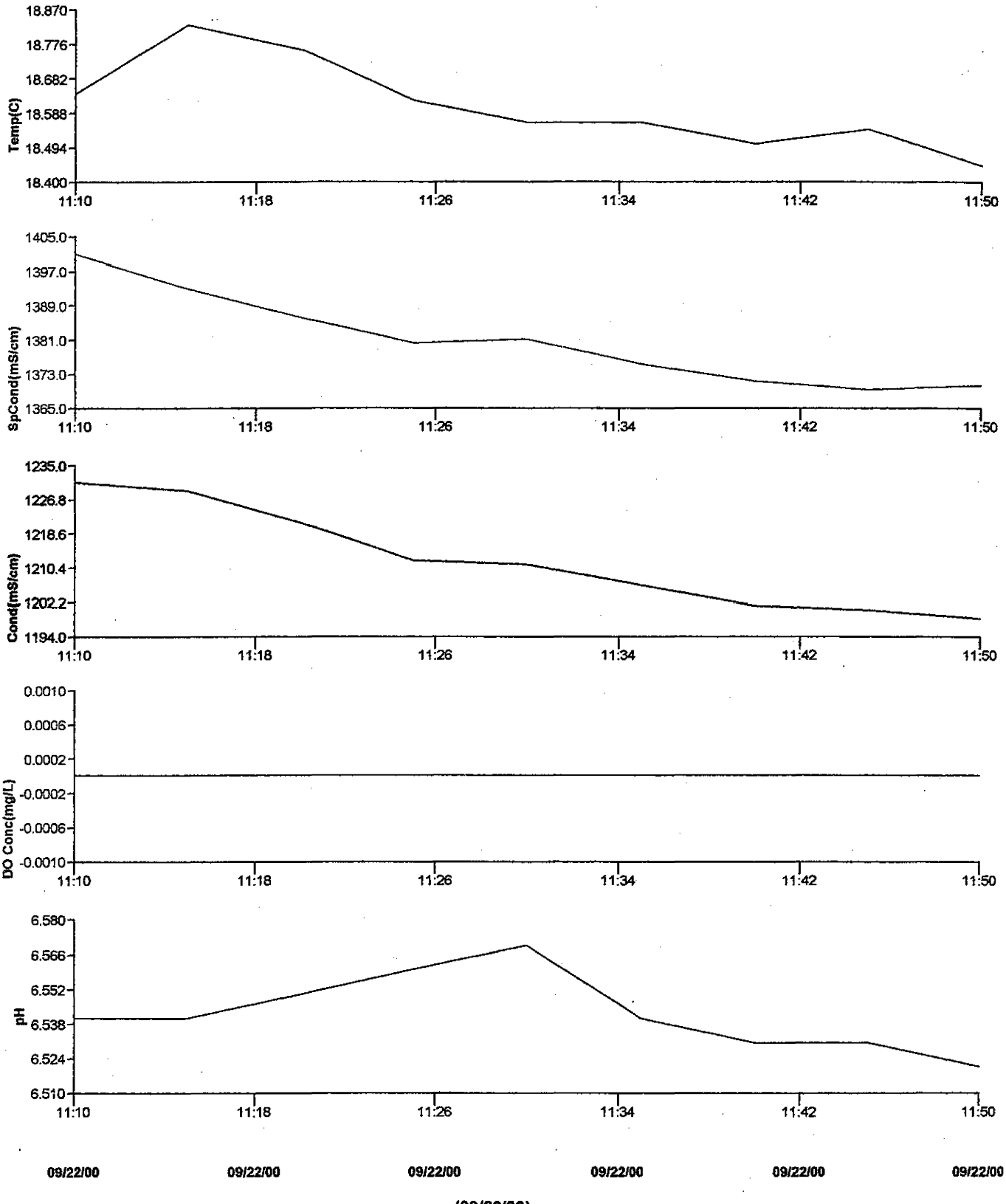
MW: 0M14MW21
NJDEP ID#: 29-32581
DATE:09/22/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
11:10	6.54	18.64	1231	1401	0	7	7.4	230	
11:15	6.54	18.83	1229	1393	0	2.6	7.4	230	
11:20	6.55	18.76	1221	1386	0	2	7.4	230	
11:25	6.56	18.62	1212	1380	0	1.2	7.4	230	
11:30	6.57	18.56	1211	1301	0	1.6	7.4	230	
11:35	6.54	18.56	1206	1375	0	2.3	7.4	230	
11:40	6.53	18.5	1201	1371	0	1.9	7.4	230	
11:45	6.53	18.54	1200	1369	0	2	7.4	230	
11:50	6.52	18.44	1198	1370	0	2.2	8.4	230	

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1110	7.00	7.4	230
1115	2.60	7.4	230
1120	2.00	7.5	230
1125	1.20	7.6	230
1130	1.60	7.7	230
1135	2.30	7.85	230
1140	1.90	7.95	230
1145	2.00	8.15	230
1150	2.20	8.4	230

M14MW21 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH



M14mw21

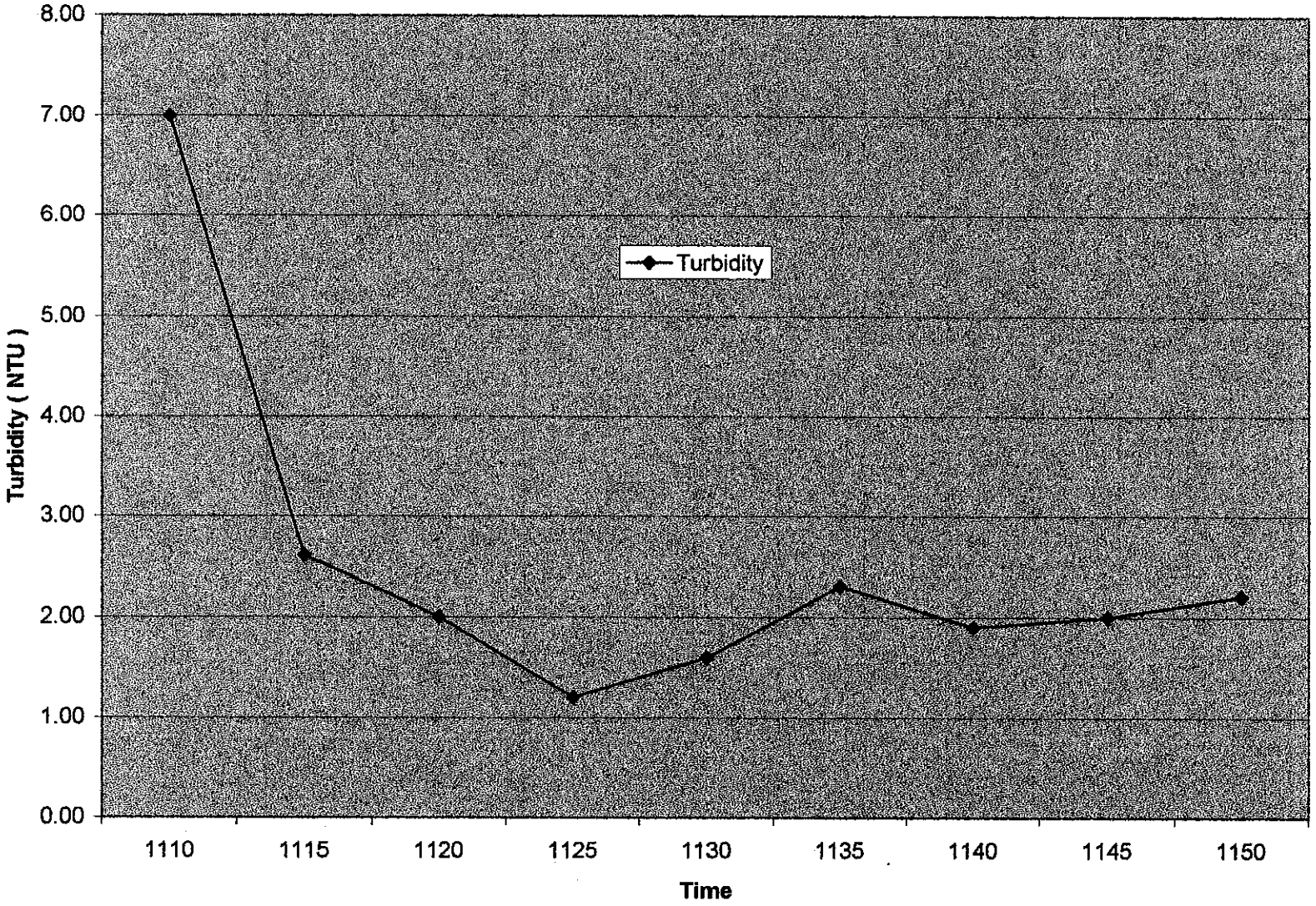
M14MW21 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

From 09/22/00 11:10 to 09/22/00 11:50
Number of samples: 9

09/22/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
09/22/00 11:10	18.64	1401.000	1231.000	0.00	6.54
09/22/00 11:15	18.83	1393.000	1229.000	0.00	6.54
09/22/00 11:20	18.76	1386.000	1221.000	0.00	6.55
09/22/00 11:25	18.62	1380.000	1212.000	0.00	6.56
09/22/00 11:30	18.56	1381.000	1211.000	0.00	6.57
09/22/00 11:35	18.56	1375.000	1206.000	0.00	6.54
09/22/00 11:40	18.50	1371.000	1201.000	0.00	6.53
09/22/00 11:45	18.54	1369.000	1200.000	0.00	6.53
09/22/00 11:50	18.44	1370.000	1198.000	0.00	6.52

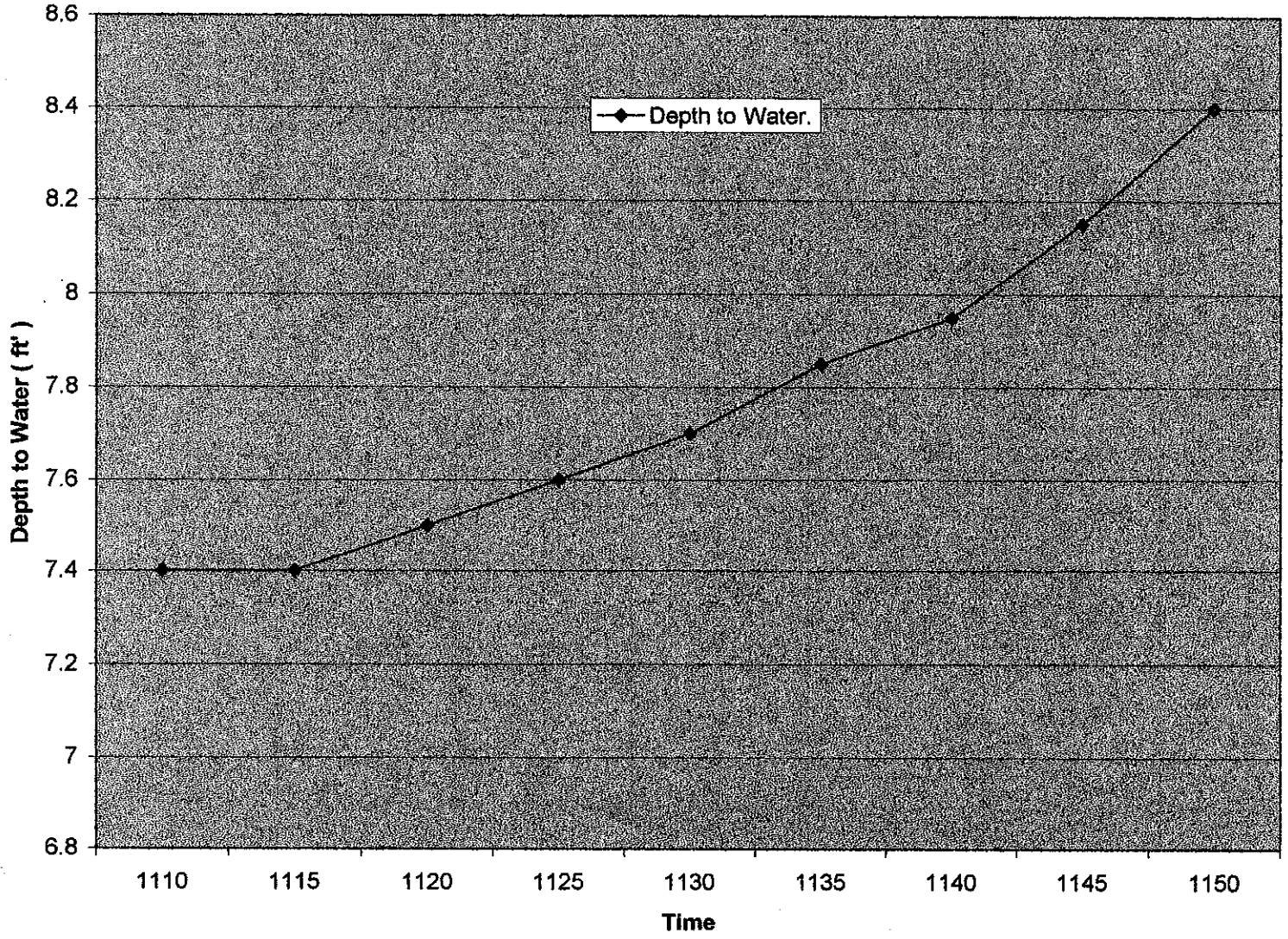
M14MW21
Permit #: 29-32581
09/22/00

Turbidity



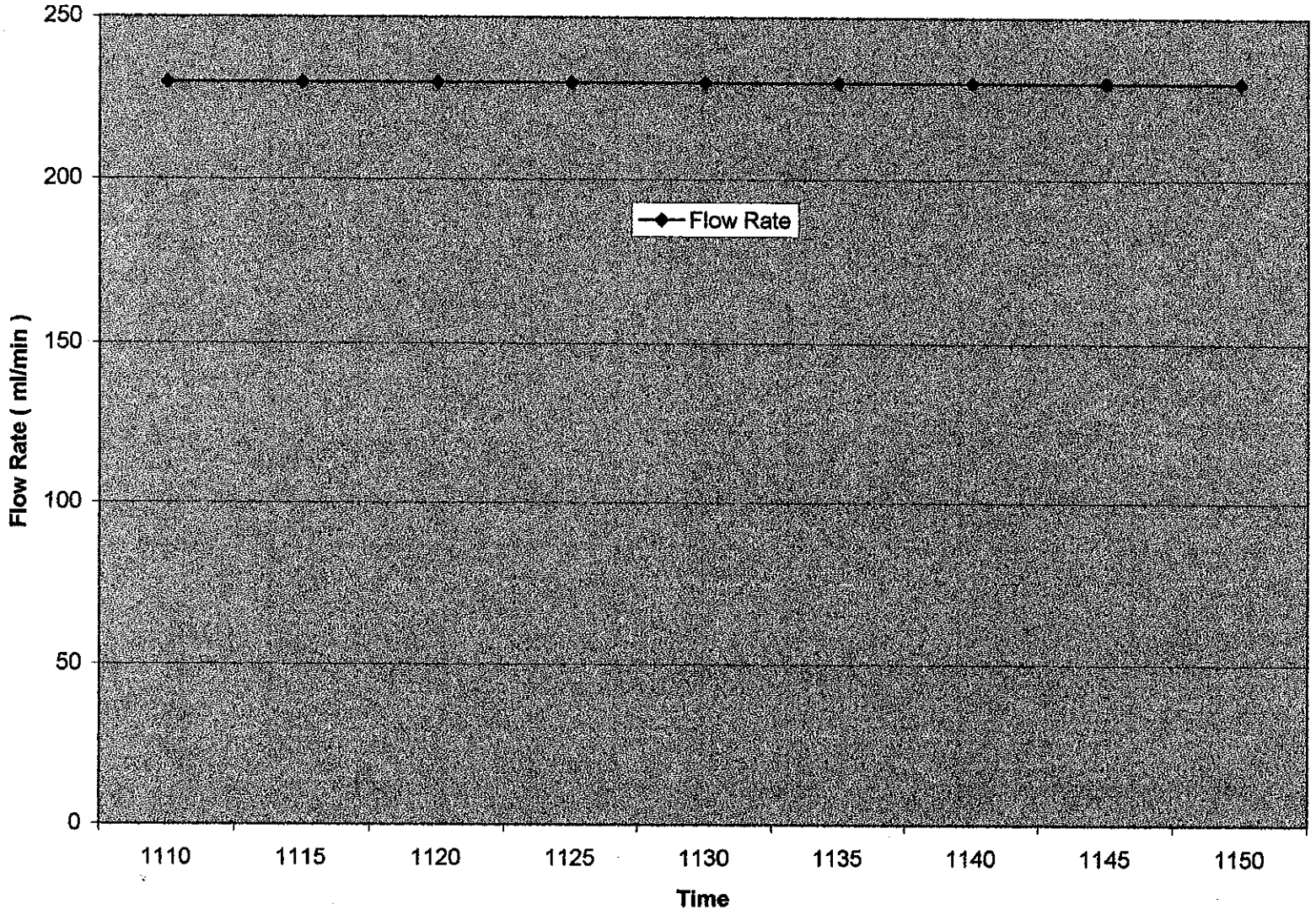
M14MW21
Permit #: 29-32581
09/22/00

Depth to Water.



M14MW21
Permit #: 29-32581
09/22/00

Flow Rate



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14 Landfill
MW#: 0M14MW22
NJDEP ID#29-41787
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 10/02/00
WEATHER: Overcast, humid
TIDE: Low, outgoing
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 0.1 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:147.0 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 6.78 ft
Before Purge Start: 6.78 ft **Previous Day: 6.77 ft** **After Sampling: 7.0 ft**
DEPTH OF WELL: 20.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 17.50 ft
TUBING: Food grade Polyethylene 1/4"/Silicon
HEIGHT OF WATER: 13.48 ft
13.48 X .65 X 3 = 26.29
(0.65 for 4", 0.163 for 2")
GALLONS OF H2O TO BE PURGED: 26 Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min): PERISTALTIC PUMP
Purged at 300 mL/Min or Gal/Min. (mL to gal: mL (.0002642)=gal)
PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

PURGE START TIME: 11:15
pH 6.66 su
TEMP 15.25 °C
DISSOLVED O_2 0.53 mg/L
SPECIFIC CONDUCTIVITY 113.7 ms/cm

PURGE END TIME: 12:00
pH 7.15 su
TEMP 15.65 °C
DISSOLVED O_2 0.18 mg/L
SPECIFIC CONDUCTIVITY 113.4 ms/cm

DEPTH TO H_2O AFTER PURGE AND SAMPLING: 7.0 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 11:55
pH 7.16 su
TEMP 15.6 °C
DISSOLVED O_2 0.17 mg/L
SPECIFIC CONDUCTIVITY 113.4 ms/cm

SAMPLE END TIME: 11:59
ANALYTES: TAL Metals
COMMENTS:

FIELD READINGS

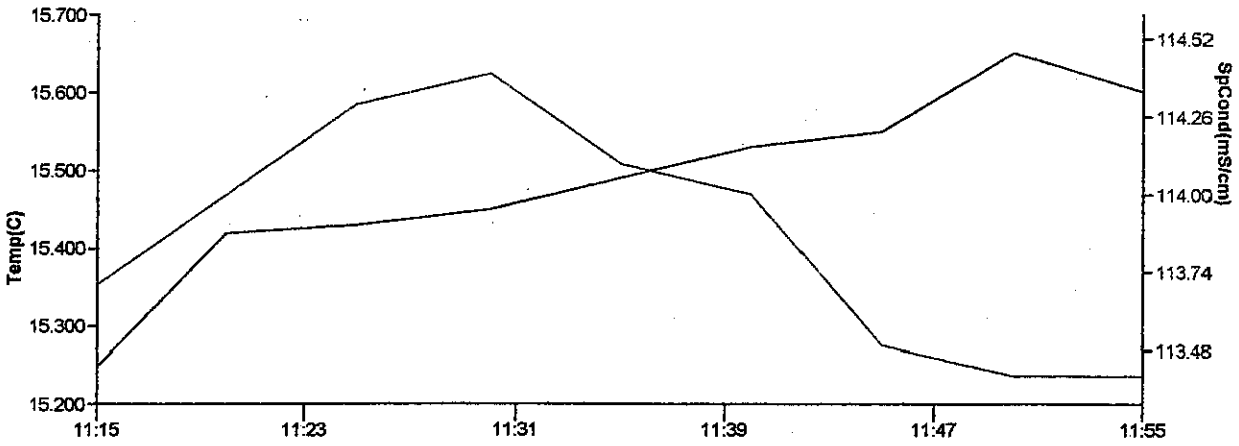
MW: 0M14MW22
NJDEP ID#: 29-41787
DATE:10/02/00

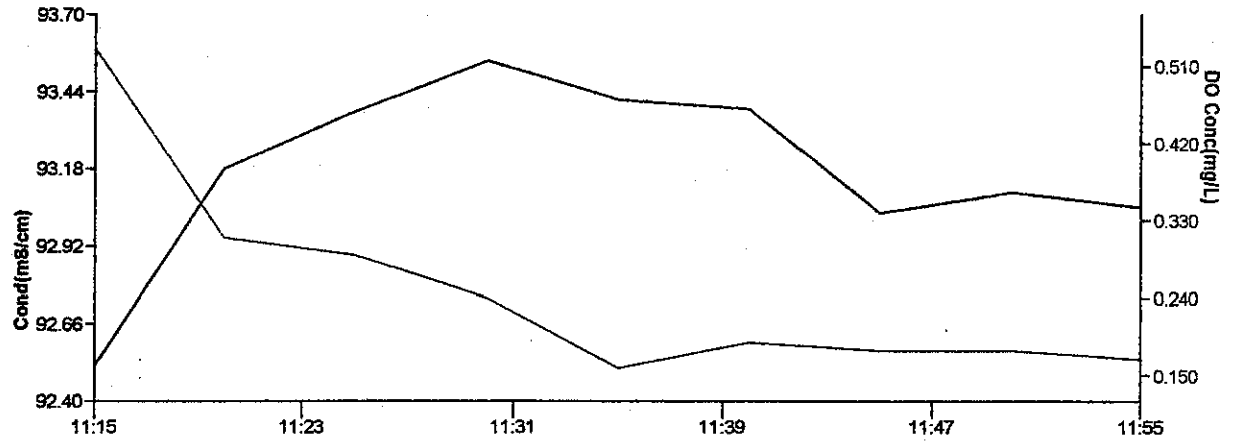
Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
11:15	6.66	15.25	92.52	113.7	0.53	4.4	6.78	300	
11:20	6.93	15.42	93.18	114	0.31	1.75	6.78	300	
11:25	7.04	15.43	93.37	114.3	0.29	1.31	6.78	300	
11:30	7.08	15.45	93.54	114.4	0.24	1.04	6.78	300	
11:35	7.11	15.49	93.41	114.1	0.16	1.45	6.78	300	
11:40	7.13	15.53	93.38	114	0.19	1.04	6.78	300	
11:45	7.14	15.55	93.03	113.5	0.18	1.12	6.78	300	
11:50	7.15	15.65	93.1	113.4	0.18	0.88	6.78	300	
11:55	7.16	15.6	93.05	113.4	0.17	0.79	7	300	

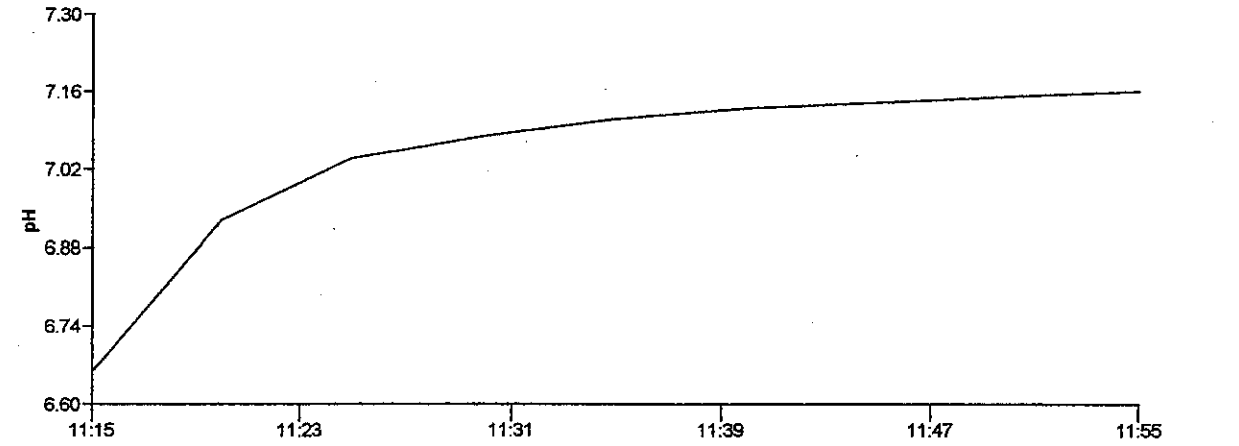
Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1115	4.40	6.78	300
1120	1.75	6.78	300
1125	1.31	6.78	300
1130	1.04	6.78	300
1135	1.45	6.85	300
1140	1.04	6.85	300
1145	1.12	6.9	300
1150	0.88	6.95	300
1155	0.79	7	300

M14MW22-2 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH







10/02/00 10/02/00 10/02/00 10/02/00 10/02/00 10/02/00

(10/02/00)

M14mw22-

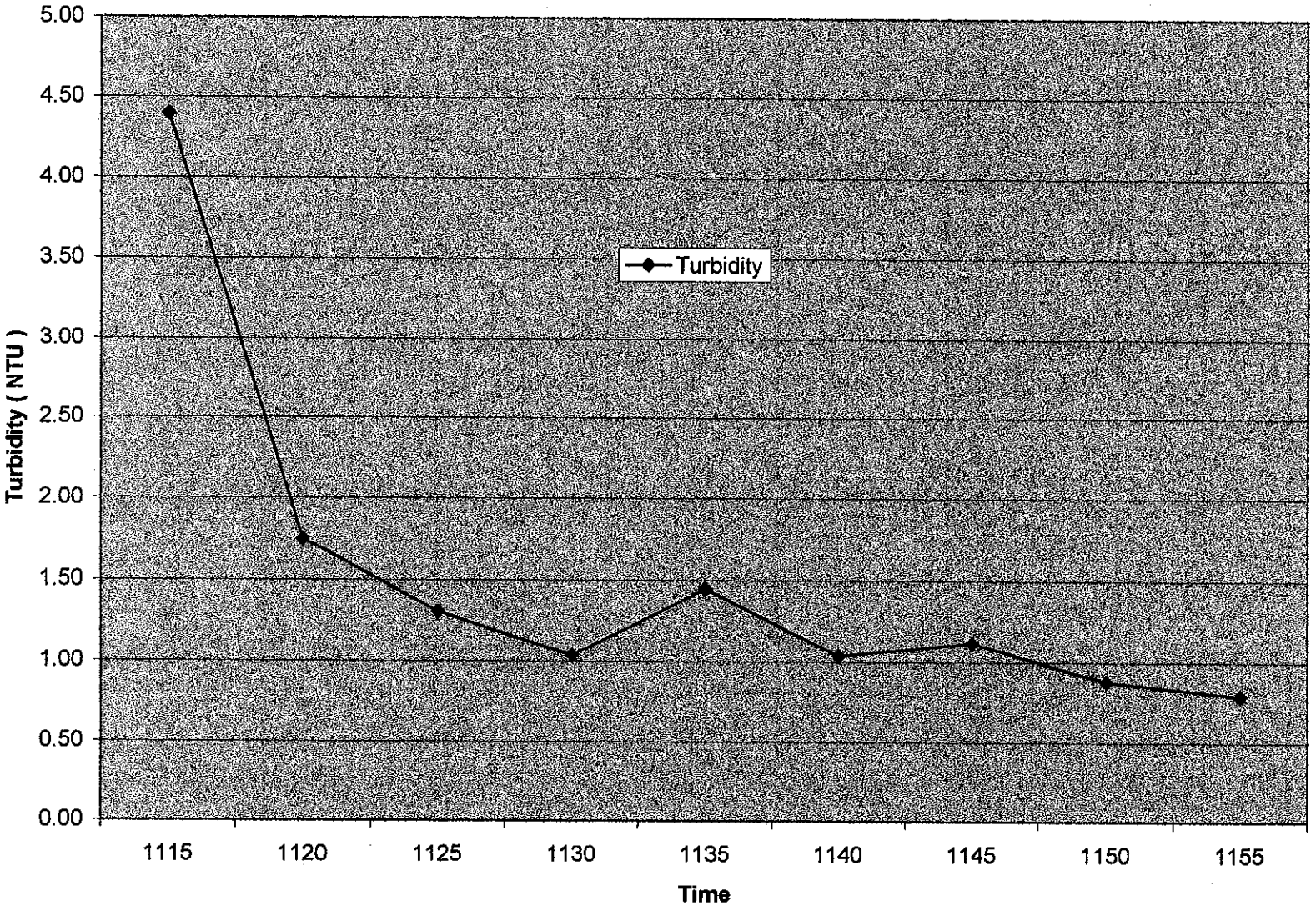
M14MW22-2 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

From 10/02/00 11:15 to 10/02/00 11:55
Number of samples: 9

10/02/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
10/02/00 11:15	15.25	113.700	92.520	0.53	6.66
10/02/00 11:20	15.42	114.000	93.180	0.31	6.93
10/02/00 11:25	15.43	114.300	93.370	0.29	7.04
10/02/00 11:30	15.45	114.400	93.540	0.24	7.08
10/02/00 11:35	15.49	114.100	93.410	0.16	7.11
10/02/00 11:40	15.53	114.000	93.380	0.19	7.13
10/02/00 11:45	15.55	113.500	93.030	0.18	7.14
10/02/00 11:50	15.65	113.400	93.100	0.18	7.15
10/02/00 11:55	15.60	113.400	93.050	0.17	7.16

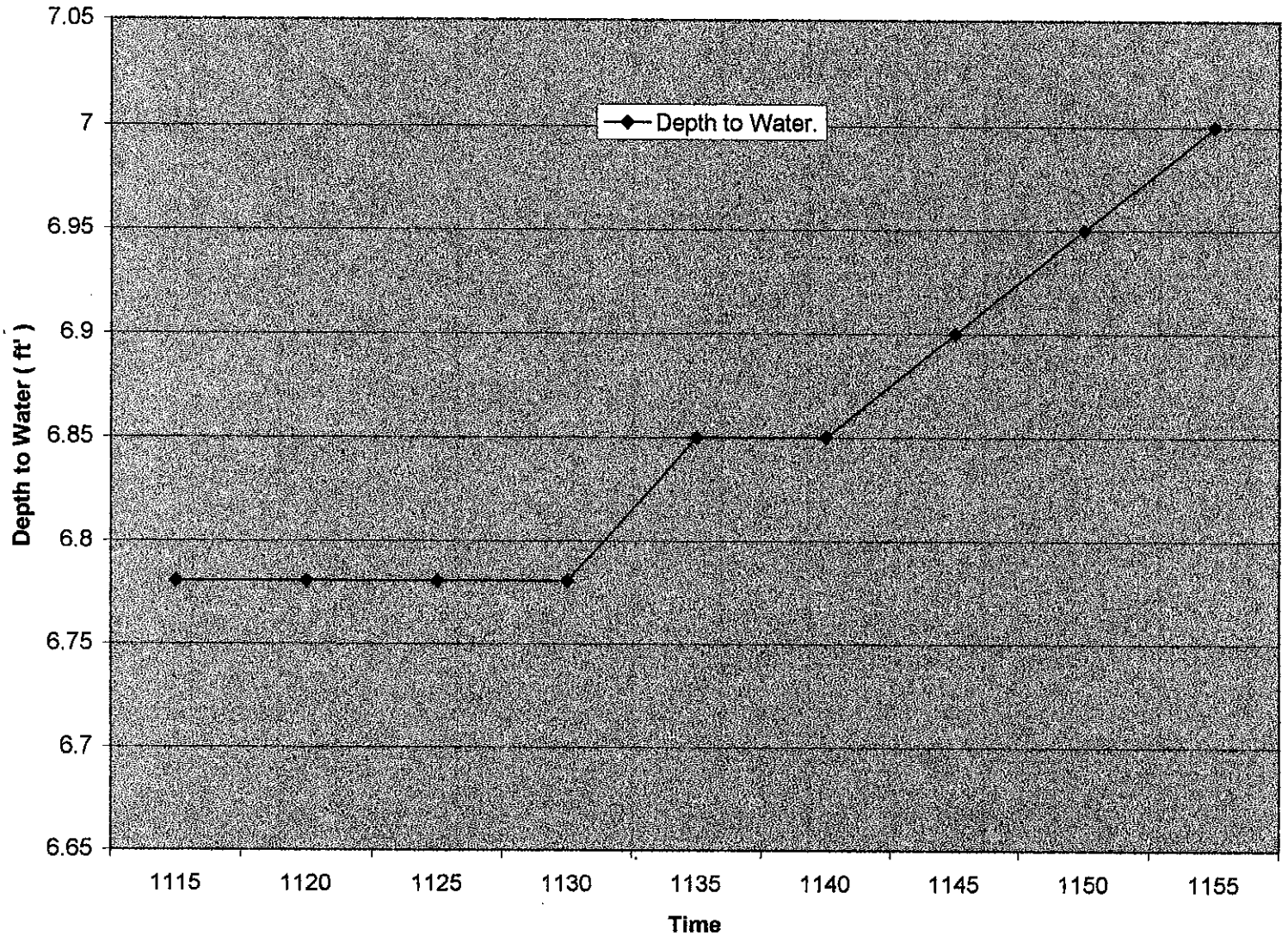
M14MW22
Permit #: 29-41787
10/02/00

Turbidity



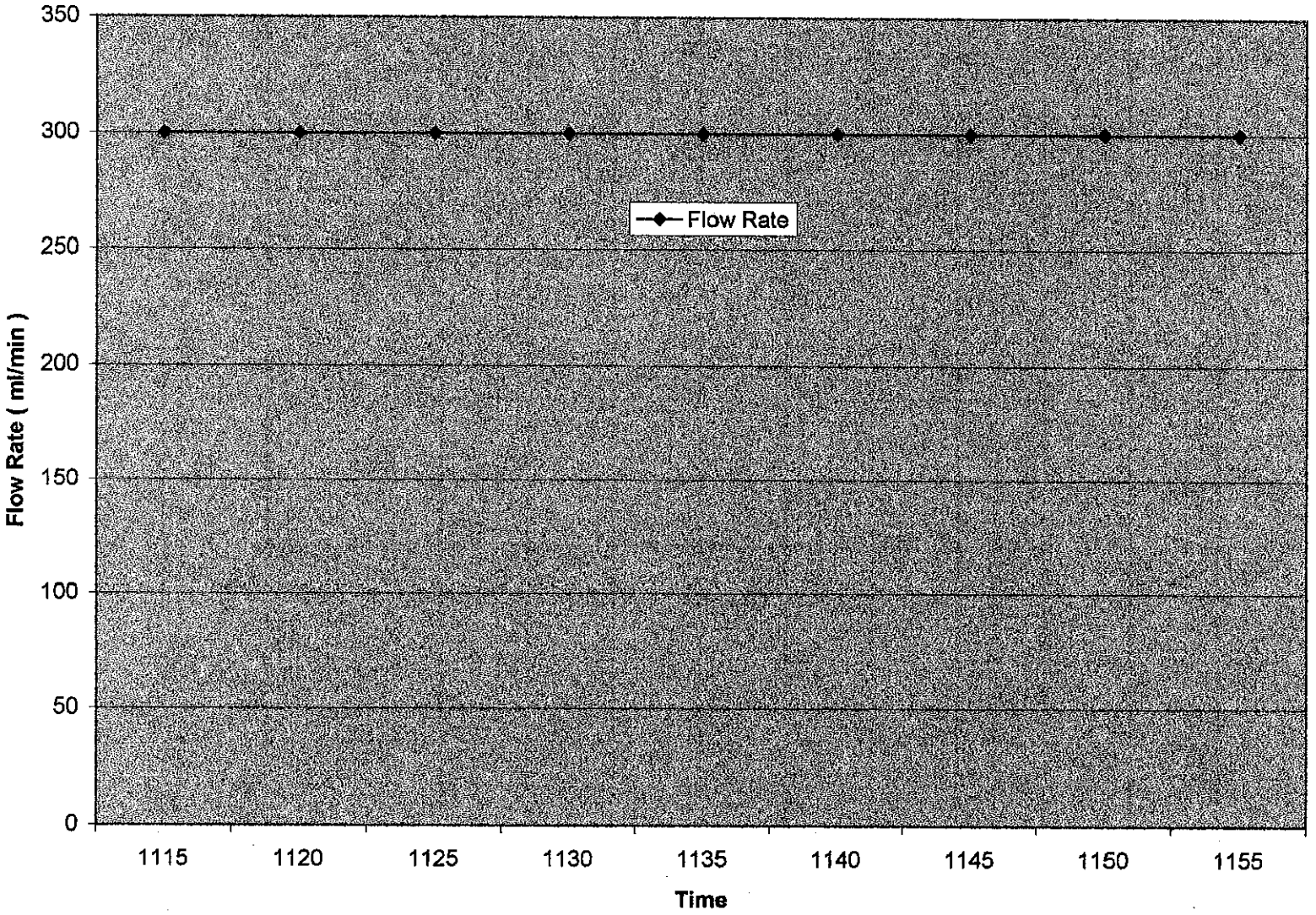
M14MW22
Permit #: 29-41787
10/02/00

Depth to Water.



M14MW22
Permit #: 29-41787
10/02/00

Flow Rate



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14 Landfill
MW#: 0M14MW23
NJDEP ID#29-41786
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 09/22/00
WEATHER: Sunny, cool
TIDE: Low, outgoing
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 0.0 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:147.0 μ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 7.2 ft
Before Purge Start: 7.2 ft **Previous Day: 7.0 ft** **After Sampling: 7.45 ft**
DEPTH OF WELL: 21.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 19.0 ft
TUBING: Food grade Polyethylene 1/4"/Silicon
HEIGHT OF WATER: 13.9 ft
13.9 X .65 X 3 = 27.1
(0.65 for 4", 0.163 for 2")
GALLONS OF H2O TO BE PURGED: 27 Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min): PERISTALTIC PUMP
Purged at 210 mL/Min or Gal/Min. (mL to gal: mL (.0002642)=gal)
PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

PURGE START TIME: 09:30
pH 6.21 su
TEMP 17.2 °C
DISSOLVED O_2 999.99 mg/L
SPECIFIC CONDUCTIVITY 1918 ms/cm

PURGE END TIME: 10:20
pH 6.18 su
TEMP 18.15 °C
DISSOLVED O_2 999.99 mg/L
SPECIFIC CONDUCTIVITY 2150 ms/cm

DEPTH TO H_2O AFTER PURGE AND SAMPLING: 7.45 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 10:11
pH 6.16 su
TEMP 18.17 °C
DISSOLVED O_2 999.99 mg/L
SPECIFIC CONDUCTIVITY 2227 ms/cm

SAMPLE END TIME: 10:18
ANALYTES: TAL Metals
COMMENTS: Duplicate here.

FIELD READINGS

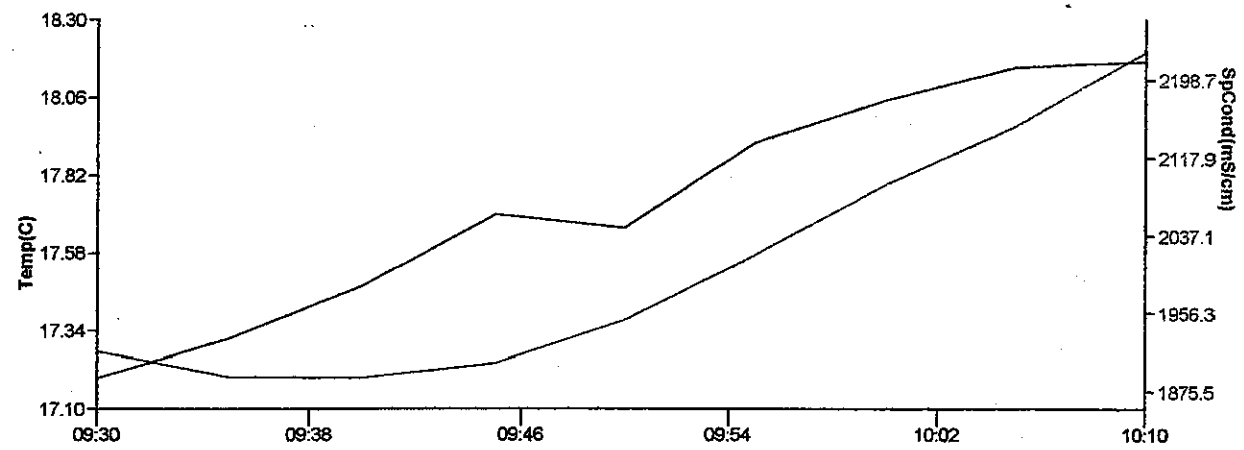
MW: 0M14MW23
NJDEP ID#: 29-41786
DATE:09/22/00

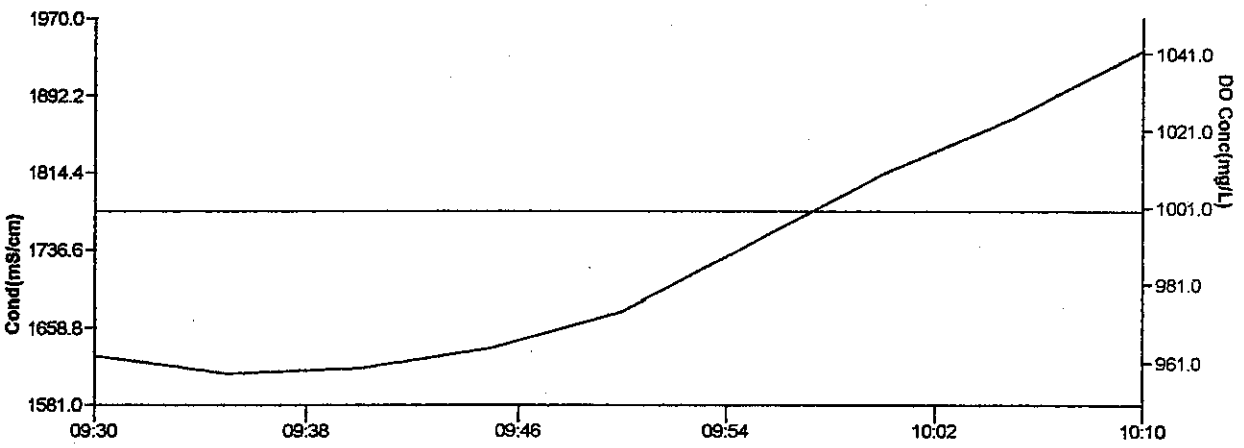
Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
9:30	6.21	17.2	1632	1918	999.99	0.9	7.2	210	
9:35	6.24	17.32	1614	1892	999.99	1.1	7.2	210	
9:40	6.24	17.48	1619	1891	999.99	0.9	7.2	210	
9:45	6.26	17.7	1640	1906	999.99	1	7.2	210	
9:50	6.25	17.66	1676	1950	999.99	0.8	7.2	210	
9:55	6.23	17.92	1744	2017	999.99	1.2	7.2	210	
10:00	6.18	18.05	1813	2090	999.99	1.2	7.2	210	
10:05	6.18	18.15	1869	2150	999.99	1.9	7.2	210	
10:10	6.16	18.17	1937	2227	999.99	1.5	7.45	210	

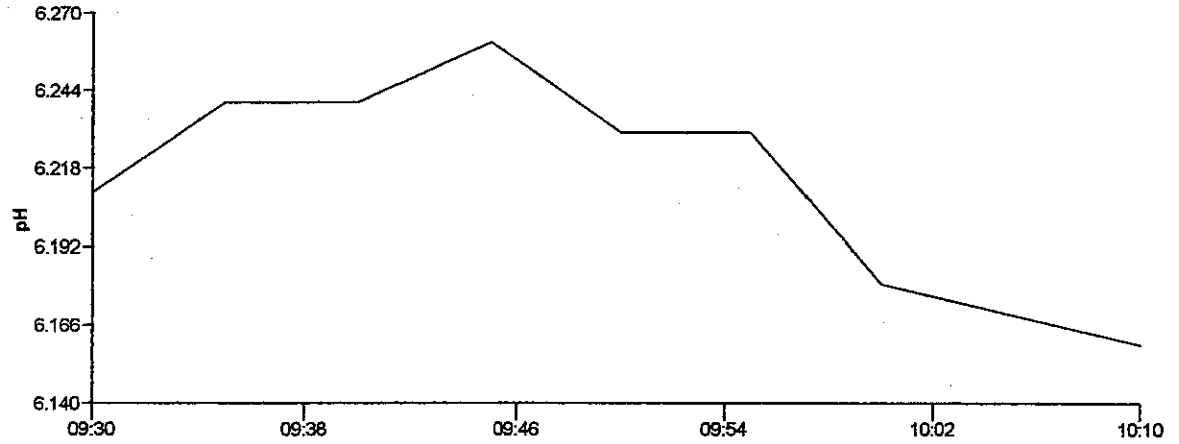
Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
930	0.90	7.2	210
935	1.10	7.2	210
940	0.90	7.2	210
945	1.00	7.2	210
950	0.80	7.25	210
955	1.20	7.3	210
1000	1.20	7.3	210
1005	1.90	7.4	210
1010	1.50	7.45	210

M14MW23 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH







09/22/00 09/22/00 09/22/00 09/22/00 09/22/00 09/22/00

(09/22/00)

M14mw23

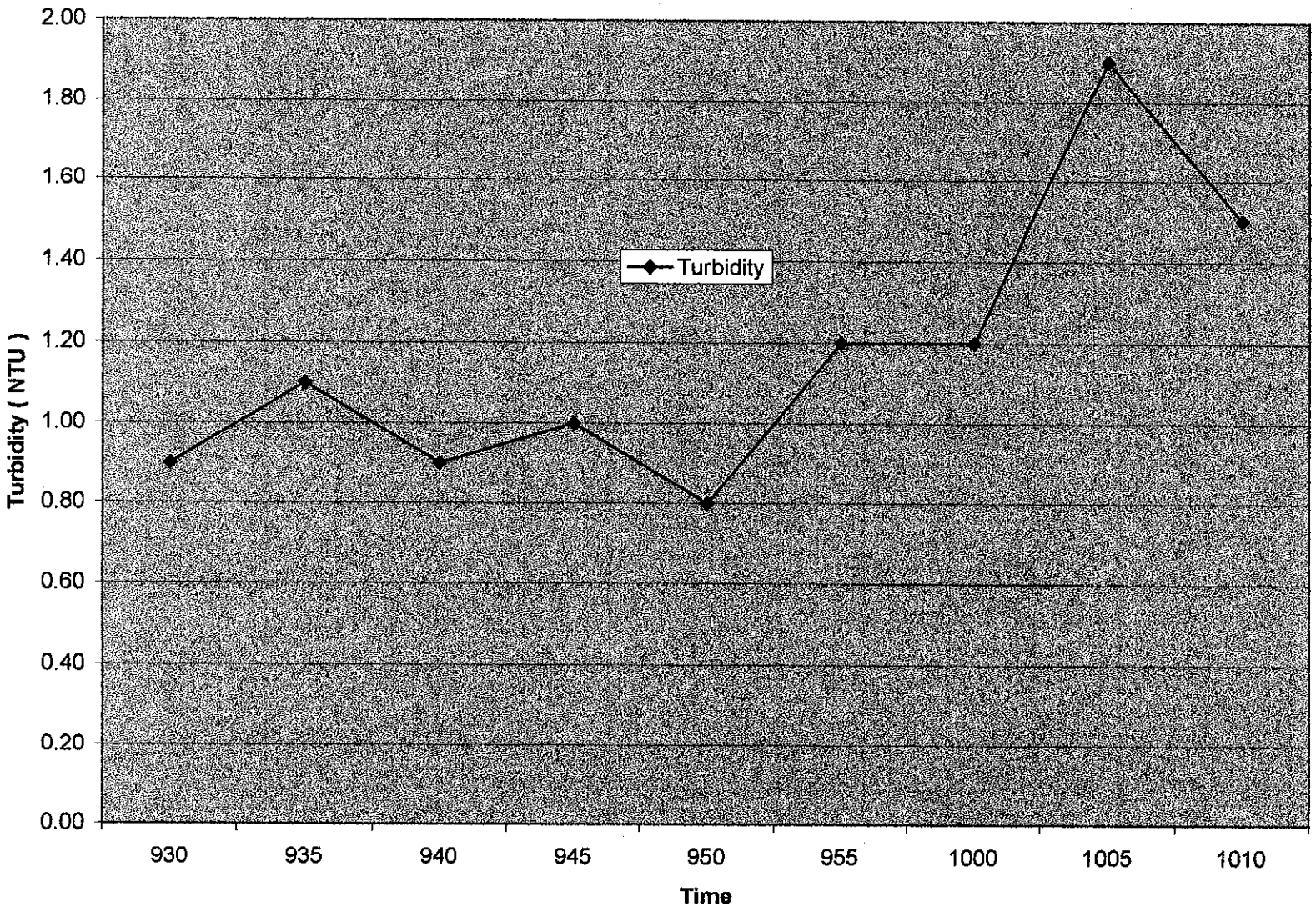
M14MW23 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

From 09/22/00 09:30 to 09/22/00 10:10
Number of samples: 9

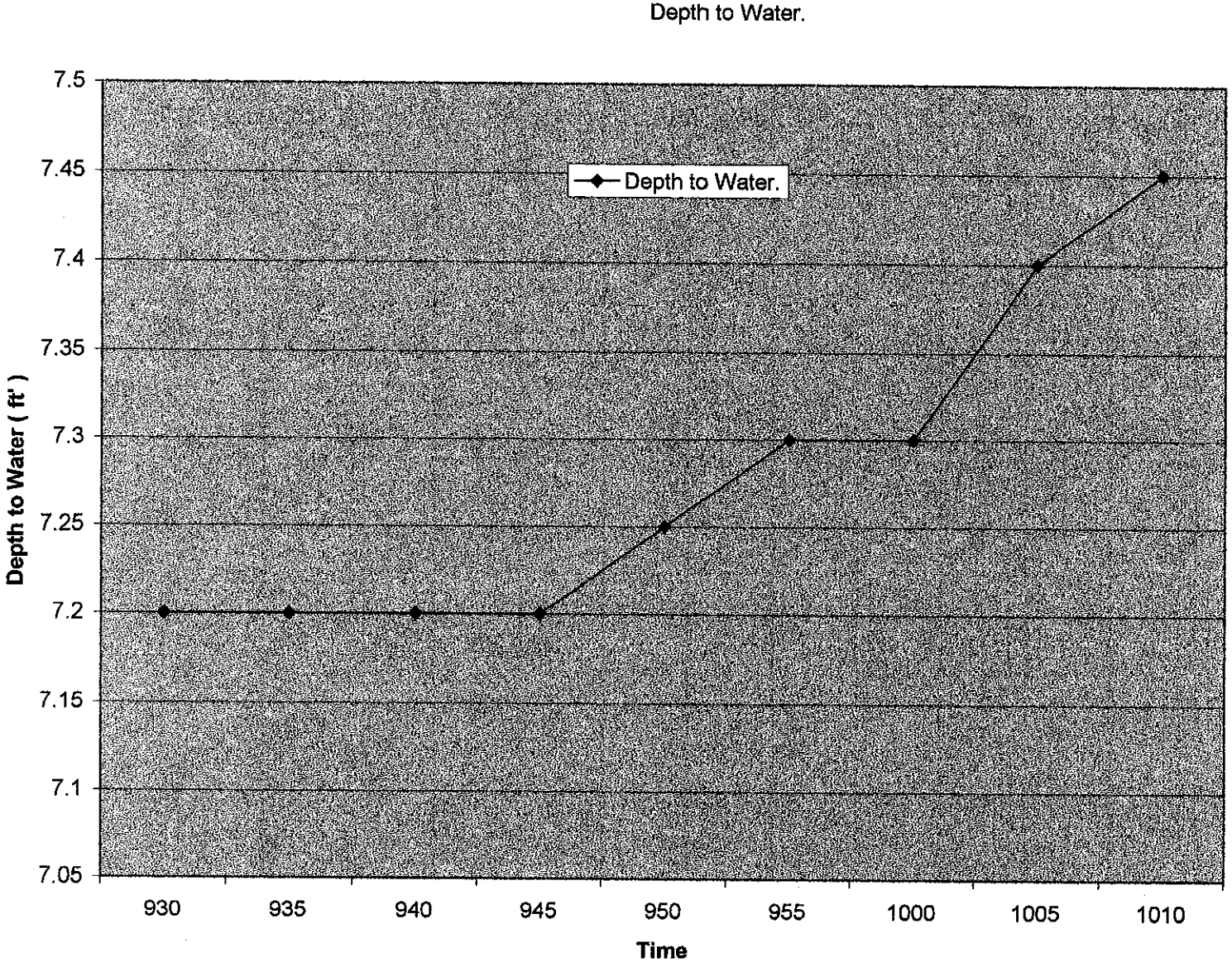
09/22/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
09/22/00 09:30	17.20	1918.000	1632.000	999.99	6.21
09/22/00 09:35	17.32	1892.000	1614.000	999.99	6.24
09/22/00 09:40	17.48	1891.000	1619.000	999.99	6.24
09/22/00 09:45	17.70	1906.000	1640.000	999.99	6.26
09/22/00 09:50	17.66	1950.000	1676.000	999.99	6.23
09/22/00 09:55	17.92	2017.000	1744.000	999.99	6.23
09/22/00 10:00	18.05	2090.000	1813.000	999.99	6.18
09/22/00 10:05	18.15	2150.000	1869.000	999.99	6.17
09/22/00 10:10	18.17	2227.000	1937.000	999.99	6.16

M14MW23
Permit #: 29-41786
09/22/00

Turbidity

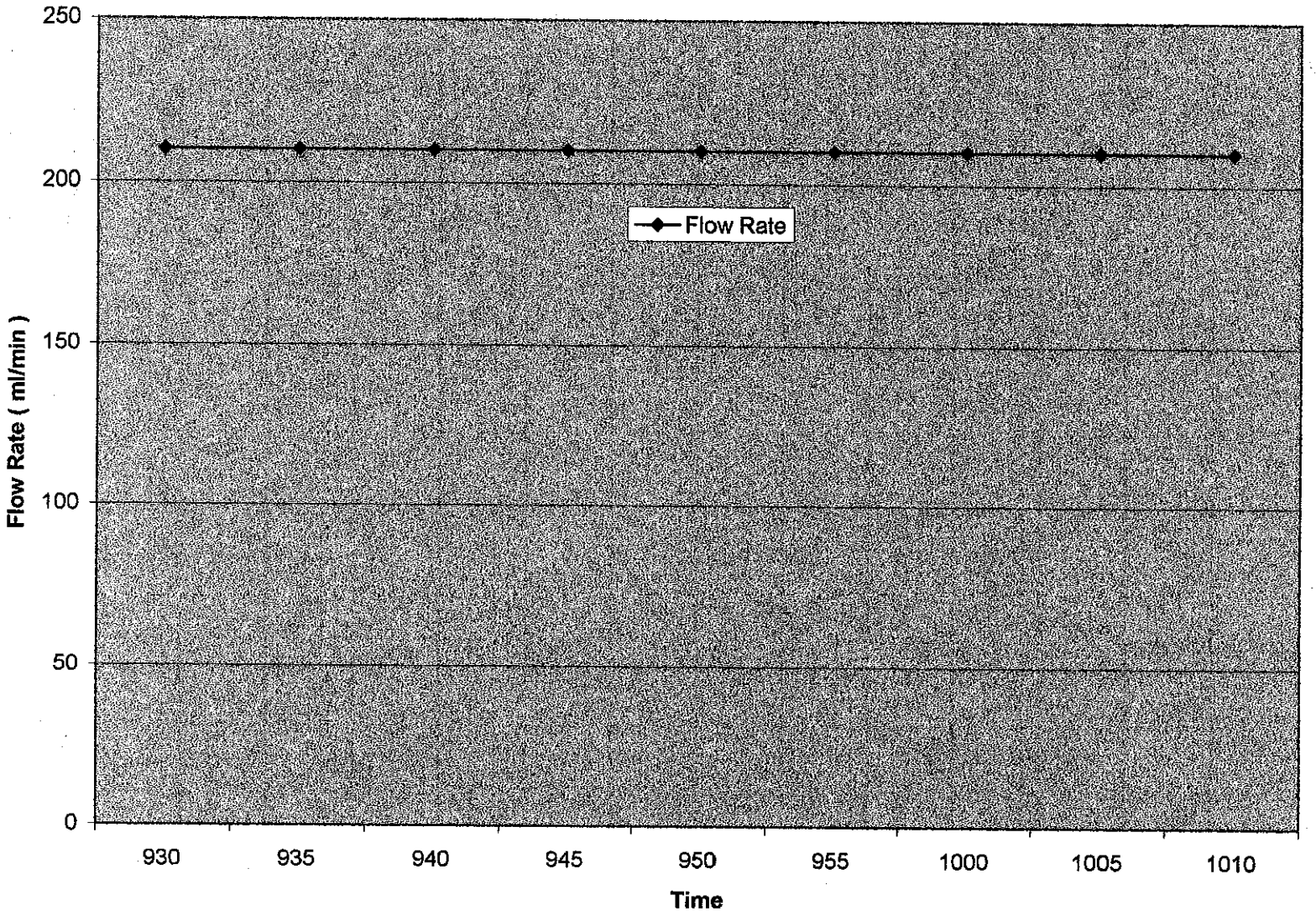


M14MW23
Permit #: 29-41786
09/22/00



M14MW23
Permit #: 29-41786
09/22/00

Flow Rate



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14 Landfill
MW#: 0M14MW24
NJDEP ID#29-41788
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 10/02/00
WEATHER: Overcast, cool
TIDE: High, incomming
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 0.2 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:147.0 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 7.2 ft
Before Purge Start: 7.2 ft **Previous Day: 7.2 ft** **After Sampling: 8.47 ft**
DEPTH OF WELL: 18.85 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 16.0 ft
TUBING: Food grade Polyethylene 1/4"/Silicon
HEIGHT OF WATER: 11.65 ft
11.65 X .65 X 3 = 22.7
(0.65 for 4", 0.163 for 2")
GALLONS OF H2O TO BE PURGED: 23 Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min): PERISTALTIC PUMP
Purged at 300 mL/Min or Gal/Min. (mL to gal: mL (.0002642)=gal)
PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

PURGE START TIME: 14:55
pH 6.32 su
TEMP 19.7 °C
DISSOLVED O_2 0.0 mg/L
SPECIFIC CONDUCTIVITY 800.6 ms/cm

PURGE END TIME: 15:40
pH 6.47 su
TEMP 20.86 °C
DISSOLVED O_2 0.0 mg/L
SPECIFIC CONDUCTIVITY 728.3 ms/cm

DEPTH TO H_2O AFTER PURGE AND SAMPLING: 8.47 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 15:35
pH 6.49 su
TEMP 20.77 °C
DISSOLVED O_2 0.0 mg/L
SPECIFIC CONDUCTIVITY 716.4 ms/cm

SAMPLE END TIME: 15:39
ANALYTES: TAL Metals
COMMENTS:

FIELD READINGS

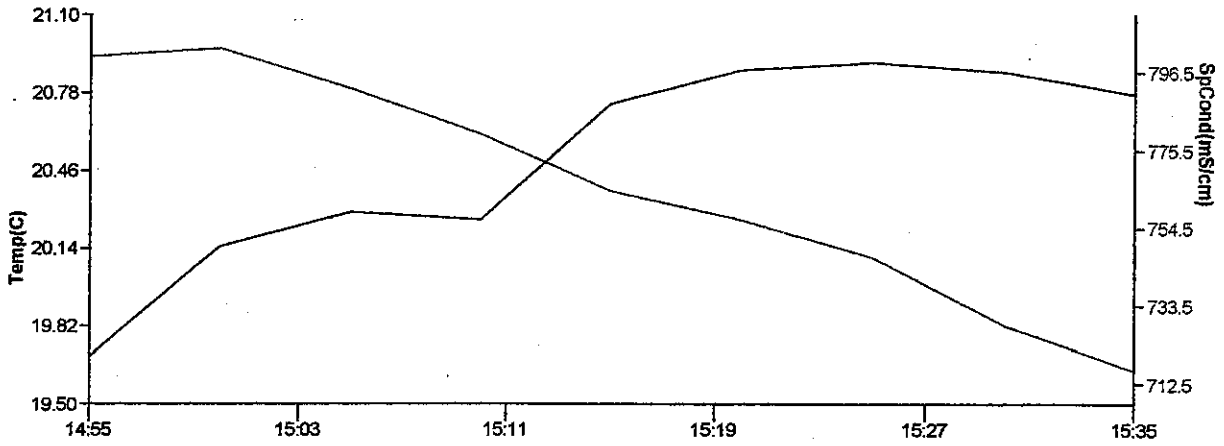
MW: 0M14MW24
NJDEP ID#: 29-41788
DATE:10/02/00

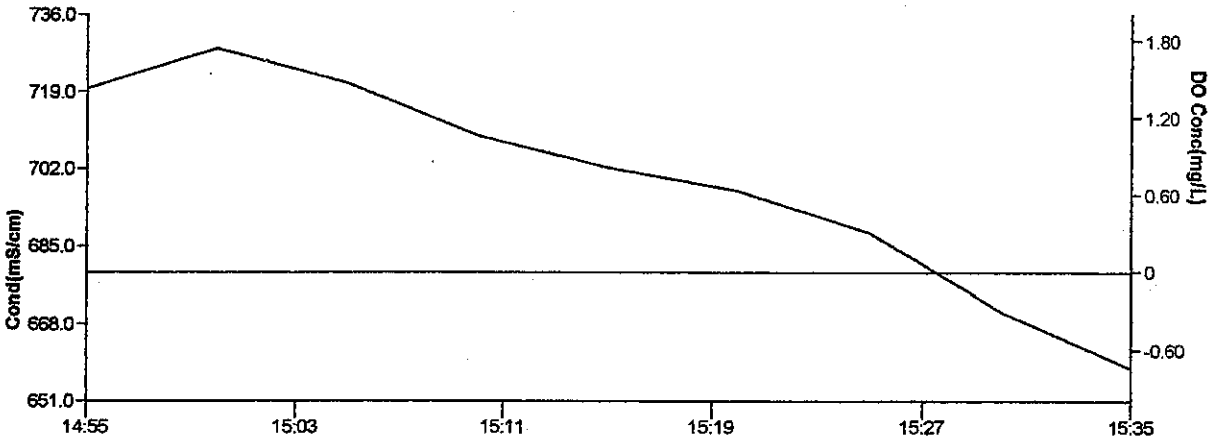
Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
14:55	6.32	19.7	719.5	88.6	0	5.2	7.2	300	
15:00	6.34	20.15	728.3	802.7	0	3.95	7.2	300	
15:05	6.35	20.29	720.6	791.8	0	3.79	7.2	300	
15:10	6.39	20.26	709.1	779.7	0	4.48	7.2	300	
15:15	6.41	20.73	702.2	764.5	0	5.32	7.2	300	
15:20	6.43	20.87	697.1	756.8	0	5.94	7.2	300	
15:25	6.44	20.9	688	746.6	0	7.77	7.2	300	
15:30	6.47	20.86	670.7	728.3	0	8.71	7.2	300	
15:35	6.49	20.77	658.4	716.4	0	10	8.47	300	

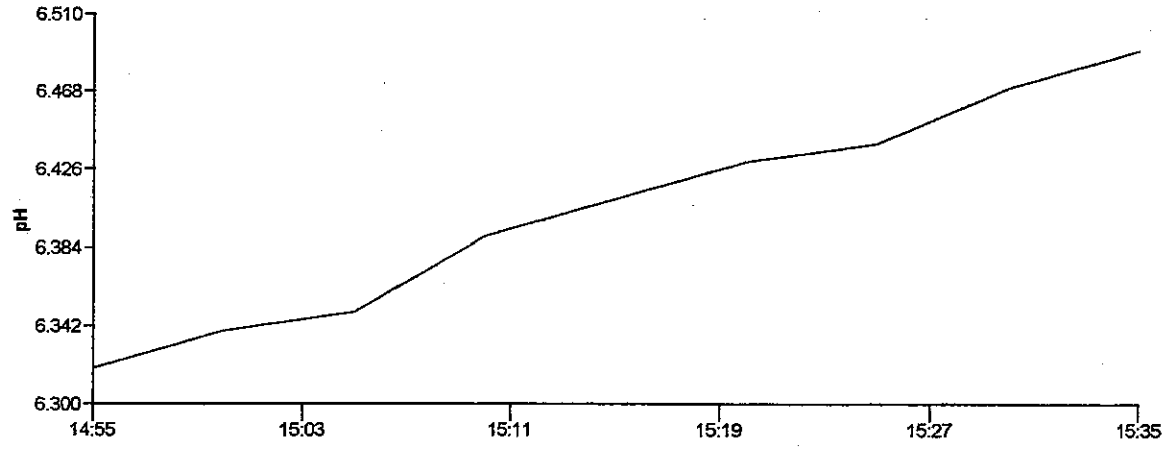
Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1455	5.20	7.2	300
1500	3.95	7.35	300
1505	3.79	7.45	300
1510	4.48	7.6	300
1515	5.32	7.8	300
1520	5.94	7.95	300
1525	7.77	8.1	300
1530	8.71	8.2	300
1535	10.00	8.47	300

M14MW24-2 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH







10/02/00 10/02/00 10/02/00 10/02/00 10/02/00 10/02/00

(10/02/00)

M14mw24-

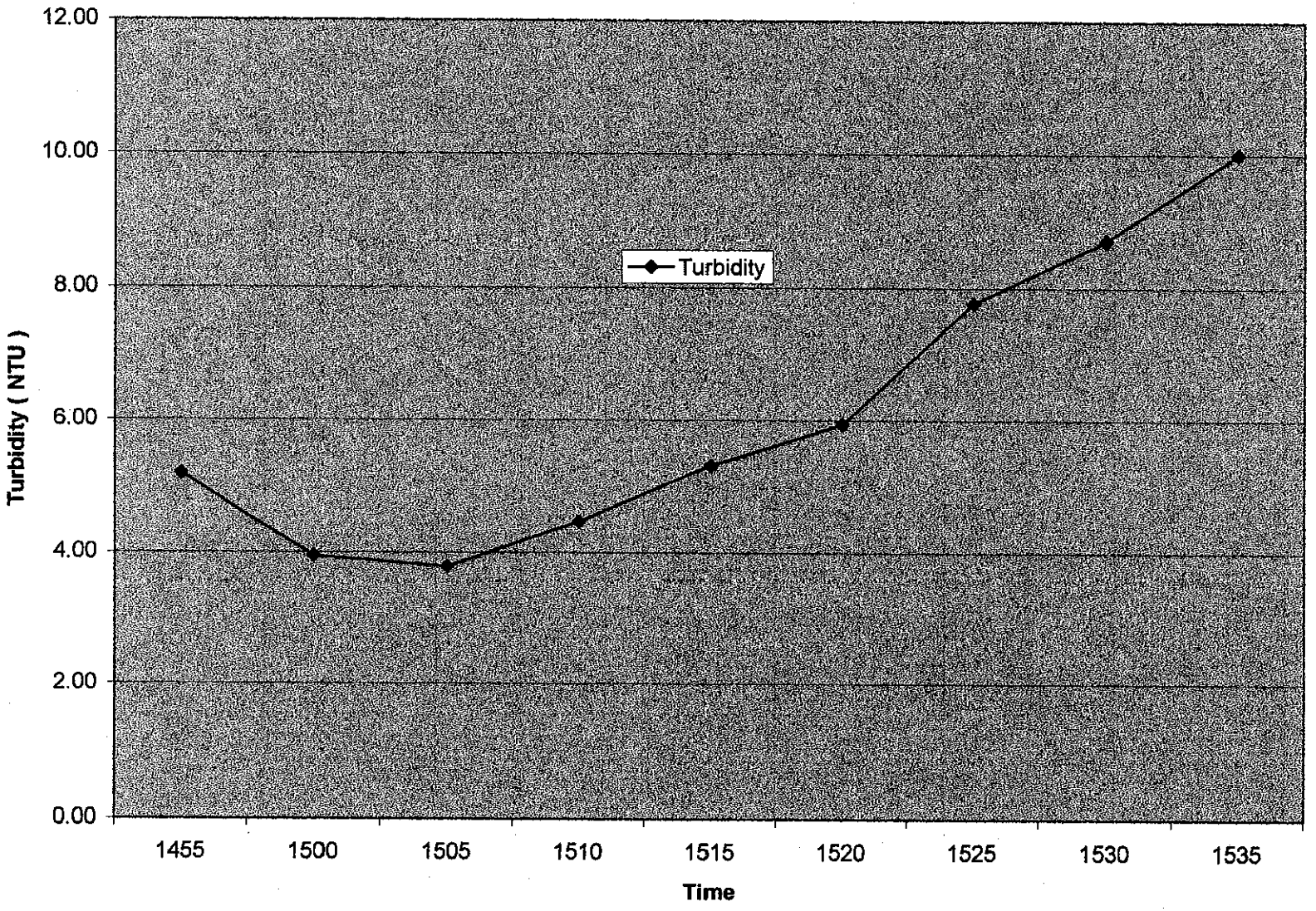
M14MW24-2 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

From 10/02/00 14:55 to 10/02/00 15:35
Number of samples: 9

10/02/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
10/02/00 14:55	19.70	800.600	719.500	0.00	6.32
10/02/00 15:00	20.15	802.700	728.300	0.00	6.34
10/02/00 15:05	20.29	791.800	720.600	0.00	6.35
10/02/00 15:10	20.26	779.700	709.100	0.00	6.39
10/02/00 15:15	20.73	764.500	702.200	0.00	6.41
10/02/00 15:20	20.87	756.800	697.100	0.00	6.43
10/02/00 15:25	20.90	746.600	688.000	0.00	6.44
10/02/00 15:30	20.86	728.300	670.700	0.00	6.47
10/02/00 15:35	20.77	716.400	658.400	0.00	6.49

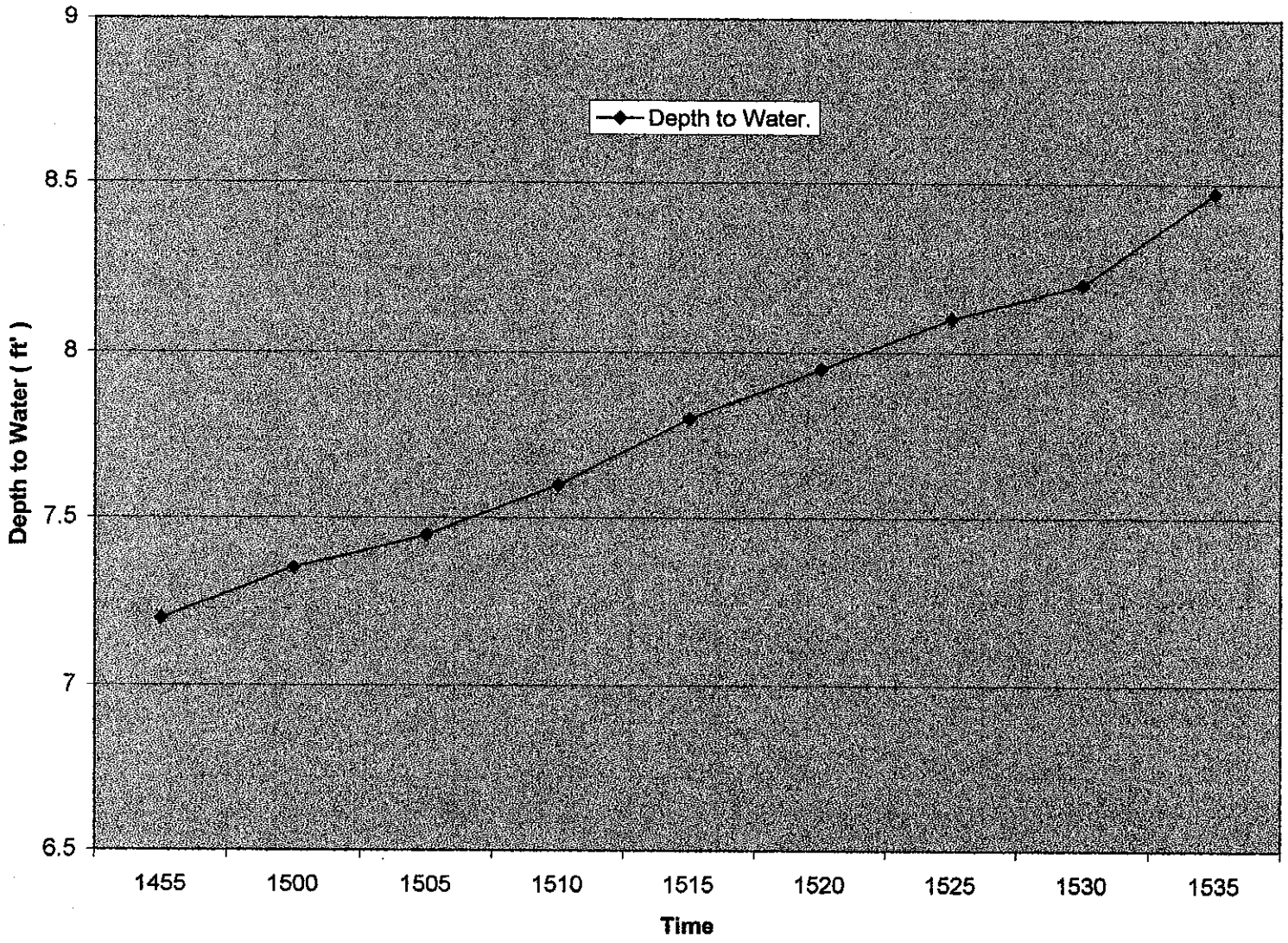
M14MW24
Permit #: 29-41788
10/02/00

Turbidity



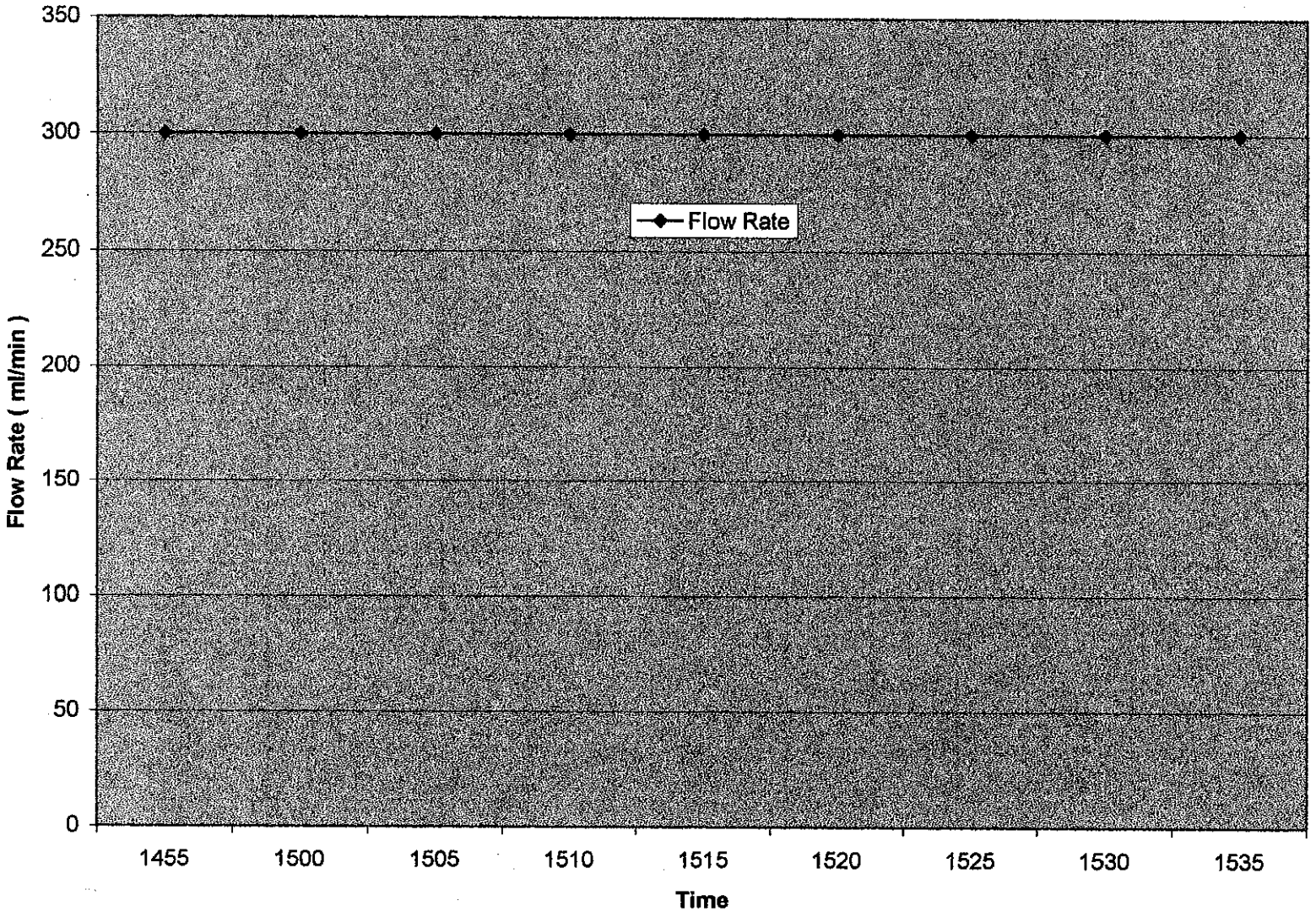
M14MW24
Permit #: 29-41788
10/02/00

Depth to Water.



M14MW24
Permit #: 29-41788
10/02/00

Flow Rate



METALS

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

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

Lab ID #: 5739
Sample Prepared: 09/28/00

Site: M14

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/29/00	ND	200	10.0
Antimony	09/29/00	ND	20	2.0
Arsenic	09/29/00	ND	8	2.0
Barium	09/29/00	ND	2000	0.5
Beryllium	09/29/00	ND	20	0.5
Cadmium	09/29/00	ND	4	0.5
Calcium	09/29/00	50.3	NLE	20.0
Chromium	09/29/00	ND	100	0.5
Cobalt	09/29/00	ND	NLE	0.5
Copper	09/29/00	ND	1000	2.0
Iron	09/29/00	15.0	300	2.0
Lead	09/29/00	ND	10	1.0
Magnesium	09/29/00	ND	NLE	10.0
Manganese	09/29/00	ND	50	0.5
Mercury	10/06/00	ND	2	0.1
Nickel	09/29/00	ND	100	1.0
Potassium	09/29/00	ND	NLE	40.0
Selenium	09/29/00	ND	50	3.0
Silver	09/29/00	ND	20	1.0
Sodium	09/29/00	ND	50000	20.0
Thallium	09/29/00	ND	10	2.0
Vanadium	09/29/00	ND	NLE	0.5
Zinc	09/29/00	37.4	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 #: 5762
Sample Prepared: 10/04/00

Site: M14

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/12/00	41.2	200	10.0
Antimony	10/12/00	ND	20	2.0
Arsenic	10/12/00	ND	8	2.0
Barium	10/12/00	ND	2000	0.5
Beryllium	10/12/00	ND	20	0.5
Cadmium	10/12/00	ND	4	0.5
Calcium	10/12/00	107	NLE	20.0
Chromium	10/12/00	0.616	100	0.5
Cobalt	10/12/00	ND	NLE	0.5
Copper	10/12/00	39.6	1000	2.0
Iron	10/12/00	ND	300	2.0
Lead	10/12/00	ND	10	1.0
Magnesium	10/12/00	45.2	NLE	10.0
Manganese	10/12/00	ND	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/12/00	3.84	100	1.0
Potassium	10/12/00	ND	NLE	40.0
Selenium	10/12/00	ND	50	3.0
Silver	10/12/00	ND	20	1.0
Sodium	10/12/00	708	50000	20.0
Thallium	10/12/00	ND	10	2.0
Vanadium	10/12/00	ND	NLE	0.5
Zinc	10/12/00	12.1	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 #: 5739.01
Sample Received: 09/22/00
Sample Matrix: Aqueous

Site: M14

Field ID#:FB

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/29/00	ND	200	10.0
Antimony	09/29/00	ND	20	2.0
Arsenic	09/29/00	ND	8	2.0
Barium	09/29/00	0.511	2000	0.5
Beryllium	09/29/00	ND	20	0.5
Cadmium	09/29/00	ND	4	0.5
Calcium	09/29/00	ND	NLE	20.0
Chromium	09/29/00	5.57	100	0.5
Cobalt	09/29/00	ND	NLE	0.5
Copper	09/29/00	ND	1000	2.0
Iron	09/29/00	ND	300	2.0
Lead	09/29/00	ND	10	1.0
Magnesium	09/29/00	17.5	NLE	10.0
Manganese	09/29/00	ND	50	0.5
Mercury	10/06/00	ND	2	0.1
Nickel	09/29/00	2.06	100	1.0
Potassium	09/29/00	ND	NLE	40.0
Selenium	09/29/00	ND	50	3.0
Silver	09/29/00	ND	20	1.0
Sodium	09/29/00	ND	50000	20.0
Thallium	09/29/00	ND	10	2.0
Vanadium	09/29/00	1.25	NLE	0.5
Zinc	09/29/00	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 #: 5762.01
Sample Received: 10/02/00
Sample Matrix: Aqueous

Site: M14

Field ID#: FB

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/12/00	ND	200	10.0
Antimony	10/12/00	ND	20	2.0
Arsenic	10/12/00	ND	8	2.0
Barium	10/12/00	ND	2000	0.5
Beryllium	10/12/00	ND	20	0.5
Cadmium	10/12/00	ND	4	0.5
Calcium	10/12/00	ND	NLE	20.0
Chromium	10/12/00	ND	100	0.5
Cobalt	10/12/00	ND	NLE	0.5
Copper	10/12/00	ND	1000	2.0
Iron	10/12/00	ND	300	2.0
Lead	10/12/00	ND	10	1.0
Magnesium	10/12/00	ND	NLE	10.0
Manganese	10/12/00	ND	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/12/00	ND	100	1.0
Potassium	10/12/00	ND	NLE	40.0
Selenium	10/12/00	ND	50	3.0
Silver	10/12/00	ND	20	1.0
Sodium	10/12/00	ND	50000	20.0
Thallium	10/12/00	ND	10	2.0
Vanadium	10/12/00	ND	NLE	0.5
Zinc	10/12/00	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 #: 5739.02
Sample Received: 09/22/00
Sample Matrix: Aqueous

Site: M14

Field ID#:FD

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/29/00	ND	200	10.0
Antimony	09/29/00	4.85	20	2.0
Arsenic	09/29/00	3.99	8	2.0
Barium	09/29/00	67.1	2000	0.5
Beryllium	09/29/00	ND	20	0.5
Cadmium	09/29/00	ND	4	0.5
Calcium	09/29/00	47700	NLE	20.0
Chromium	09/29/00	4.91	100	0.5
Cobalt	09/29/00	ND	NLE	0.5
Copper	09/29/00	65.7	1000	2.0
Iron	09/29/00	7540	300	2.0
Lead	09/29/00	ND	10	1.0
Magnesium	09/29/00	5690	NLE	10.0
Manganese	09/29/00	137	50	0.5
Mercury	10/06/00	ND	2	0.1
Nickel	09/29/00	5.45	100	1.0
Potassium	09/29/00	6360	NLE	40.0
Selenium	09/29/00	ND	50	3.0
Silver	09/29/00	ND	20	1.0
Sodium	09/29/00	16400	50000	20.0
Thallium	09/29/00	ND	10	2.0
Vanadium	09/29/00	1.42	NLE	0.5
Zinc	09/29/00	11.2	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 #: 5762.05
Sample Received: 10/02/00
Sample Matrix: Aqueous

Site: M14

Field ID#: FD

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/12/00	77.5	200	10.0
Antimony	10/12/00	ND	20	2.0
Arsenic	10/12/00	ND	8	2.0
Barium	10/12/00	17.0	2000	0.5
Beryllium	10/12/00	ND	20	0.5
Cadmium	10/12/00	ND	4	0.5
Calcium	10/12/00	34300	NLE	20.0
Chromium	10/12/00	0.628	100	0.5
Cobalt	10/12/00	ND	NLE	0.5
Copper	10/12/00	12.2	1000	2.0
Iron	10/12/00	5550	300	2.0
Lead	10/12/00	ND	10	1.0
Magnesium	10/12/00	2740	NLE	10.0
Manganese	10/12/00	42.8	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/12/00	ND	100	1.0
Potassium	10/12/00	5180	NLE	40.0
Selenium	10/12/00	ND	50	3.0
Silver	10/12/00	ND	20	1.0
Sodium	10/12/00	6160	50000	20.0
Thallium	10/12/00	ND	10	2.0
Vanadium	10/12/00	0.866	NLE	0.5
Zinc	10/12/00	33.2	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 #: 5762.02
Sample Received: 10/02/00
Sample Matrix: Aqueous

Site: M14

Field ID#: 0M14MW19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/12/00	29.9	200	10.0
Antimony	10/12/00	ND	20	2.0
Arsenic	10/12/00	ND	8	2.0
Barium	10/12/00	10.5	2000	0.5
Beryllium	10/12/00	ND	20	0.5
Cadmium	10/12/00	ND	4	0.5
Calcium	10/12/00	17400	NLE	20.0
Chromium	10/12/00	ND	100	0.5
Cobalt	10/12/00	ND	NLE	0.5
Copper	10/12/00	32.3	1000	2.0
Iron	10/12/00	12700	300	2.0
Lead	10/12/00	ND	10	1.0
Magnesium	10/12/00	2410	NLE	10.0
Manganese	10/12/00	82.0	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/12/00	ND	100	1.0
Potassium	10/12/00	6310	NLE	40.0
Selenium	10/12/00	ND	50	3.0
Silver	10/12/00	ND	20	1.0
Sodium	10/12/00	6150	50000	20.0
Thallium	10/12/00	ND	10	2.0
Vanadium	10/12/00	0.642	NLE	0.5
Zinc	10/12/00	24.9	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 #: 5762.04
Sample Received: 10/02/00
Sample Matrix: Aqueous

Site: M14

Field ID#: 0M14MW20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/12/00	48.9	200	10.0
Antimony	10/12/00	ND	20	2.0
Arsenic	10/12/00	ND	8	2.0
Barium	10/12/00	17.4	2000	0.5
Beryllium	10/12/00	ND	20	0.5
Cadmium	10/12/00	ND	4	0.5
Calcium	10/12/00	34600	NLE	20.0
Chromium	10/12/00	ND	100	0.5
Cobalt	10/12/00	ND	NLE	0.5
Copper	10/12/00	120	1000	2.0
Iron	10/12/00	5490	300	2.0
Lead	10/12/00	17.6	10	1.0
Magnesium	10/12/00	2720	NLE	10.0
Manganese	10/12/00	43.0	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/12/00	3.93	100	1.0
Potassium	10/12/00	5270	NLE	40.0
Selenium	10/12/00	ND	50	3.0
Silver	10/12/00	ND	20	1.0
Sodium	10/12/00	6200	50000	20.0
Thallium	10/12/00	ND	10	2.0
Vanadium	10/12/00	0.804	NLE	0.5
Zinc	10/12/00	170	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 #: 5739.04
Sample Received: 09/22/00
Sample Matrix: Aqueous

Site: M14

Field ID#: 0M14MW21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/29/00	36.0	200	10.0
Antimony	09/29/00	4.18	20	2.0
Arsenic	09/29/00	ND	8	2.0
Barium	09/29/00	24.5	2000	0.5
Beryllium	09/29/00	ND	20	0.5
Cadmium	09/29/00	ND	4	0.5
Calcium	09/29/00	32200	NLE	20.0
Chromium	09/29/00	ND	100	0.5
Cobalt	09/29/00	ND	NLE	0.5
Copper	09/29/00	ND	1000	2.0
Iron	09/29/00	941	300	2.0
Lead	09/29/00	ND	10	1.0
Magnesium	09/29/00	4000	NLE	10.0
Manganese	09/29/00	82.3	50	0.5
Mercury	10/06/00	ND	2	0.1
Nickel	09/29/00	3.04	100	1.0
Potassium	09/29/00	6600	NLE	40.0
Selenium	09/29/00	ND	50	3.0
Silver	09/29/00	ND	20	1.0
Sodium	09/29/00	6490	50000	20.0
Thallium	09/29/00	ND	10	2.0
Vanadium	09/29/00	ND	NLE	0.5
Zinc	09/29/00	25.4	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 #: 5762.03
Sample Received: 10/02/00
Sample Matrix: Aqueous

Site: M14

Field ID#: 0M14MW22

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/12/00	51.7	200	10.0
Antimony	10/12/00	ND	20	2.0
Arsenic	10/12/00	ND	8	2.0
Barium	10/12/00	16.8	2000	0.5
Beryllium	10/12/00	ND	20	0.5
Cadmium	10/12/00	ND	4	0.5
Calcium	10/12/00	42800	NLE	20.0
Chromium	10/12/00	0.621	100	0.5
Cobalt	10/12/00	ND	NLE	0.5
Copper	10/12/00	13.0	1000	2.0
Iron	10/12/00	266	300	2.0
Lead	10/12/00	ND	10	1.0
Magnesium	10/12/00	2780	NLE	10.0
Manganese	10/12/00	15.2	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/12/00	1.19	100	1.0
Potassium	10/12/00	4390	NLE	40.0
Selenium	10/12/00	ND	50	3.0
Silver	10/12/00	ND	20	1.0
Sodium	10/12/00	4510	50000	20.0
Thallium	10/12/00	ND	10	2.0
Vanadium	10/12/00	0.821	NLE	0.5
Zinc	10/12/00	20.5	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 #: 5739.03
Sample Received: 09/22/00
Sample Matrix: Aqueous

Site: M14

Field ID#: 0M14MW23

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/29/00	ND	200	10.0
Antimony	09/29/00	2.79	20	2.0
Arsenic	09/29/00	4.77	8	2.0
Barium	09/29/00	65.0	2000	0.5
Beryllium	09/29/00	ND	20	0.5
Cadmium	09/29/00	ND	4	0.5
Calcium	09/29/00	47600	NLE	20.0
Chromium	09/29/00	1.95	100	0.5
Cobalt	09/29/00	ND	NLE	0.5
Copper	09/29/00	ND	1000	2.0
Iron	09/29/00	7300	300	2.0
Lead	09/29/00	ND	10	1.0
Magnesium	09/29/00	5640	NLE	10.0
Manganese	09/29/00	131	50	0.5
Mercury	10/06/00	ND	2	0.1
Nickel	09/29/00	4.44	100	1.0
Potassium	09/29/00	6430	NLE	40.0
Selenium	09/29/00	ND	50	3.0
Silver	09/29/00	ND	20	1.0
Sodium	09/29/00	15900	50000	20.0
Thallium	09/29/00	ND	10	2.0
Vanadium	09/29/00	ND	NLE	0.5
Zinc	09/29/00	10.5	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 #: 5762.06
Sample Received: 10/02/00
Sample Matrix: Aqueous

Site: M14

Field ID#: 0M14MW24

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/12/00	170	200	10.0
Antimony	10/12/00	ND	20	2.0
Arsenic	10/12/00	17.1	8	2.0
Barium	10/12/00	28.0	2000	0.5
Beryllium	10/12/00	ND	20	0.5
Cadmium	10/12/00	ND	4	0.5
Calcium	10/12/00	136000	NLE	20.0
Chromium	10/12/00	7.82	100	0.5
Cobalt	10/12/00	ND	NLE	0.5
Copper	10/12/00	9.78	1000	2.0
Iron	10/12/00	6210	300	2.0
Lead	10/12/00	ND	10	1.0
Magnesium	10/12/00	37800	NLE	10.0
Manganese	10/12/00	164	50	0.5
Mercury	10/17/00	0.13	2	0.1
Nickel	10/12/00	1.48	100	1.0
Potassium	10/12/00	24900	NLE	40.0
Selenium	10/12/00	9.50	50	3.0
Silver	10/12/00	ND	20	1.0
Sodium	10/12/00	158000	50000	20.0
Thallium	10/12/00	ND	10	2.0
Vanadium	10/12/00	6.26	NLE	0.5
Zinc	10/12/00	15.4	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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
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-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5833.04	0M14MW19	29-32579	11/03/00
5833.05	0M14MW20	29-32580	11/03/00
5833.06	0M14MW21	29-32581	11/03/00
5833.07	0M14MW22	29-41787	11/03/00
5833.08	0M14MW23	29-41786	11/03/00
5833.09	0M14MW24	29-41788	11/03/00

NJDEP Laboratory Certification # 13461

11-29-00

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

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 #: 26223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: M14 wells 4th ~~2nd~~ Qrtr '00

Samplers Name / Company: Corey McCormack, TUS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	TAL MTLS	Pest/PCB	BNA+25				Hnu Read	Remarks / Preservation Method
5833.01	Trip	11/3/00	0733	AQ	2	✓							—	HCL/HNO3/4°C
.02	Field Blank		0945		5	✓	✓	✓	✓				—	
.03	Dupe		—		5	✓	✓	✓	✓				—	
.04	M14 MW19		1430		5	✓	✓	✓	✓				0.0	29-32579
.05	M14 MW20		1423			✓	✓	✓	✓				0.0	29-32577
.06	M14 MW21		1005			✓	✓	✓	✓				0.0	29-32578
.07	M14 MW22		1015			✓	✓	✓	✓				0.0	29-41787
.08	M14 MW23		1025			✓	✓	✓	✓				0.0	29-41786
.09	M14 MW24 *	↓	0955	↓	↓	✓	✓	✓	✓				0.0	29-41788

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	11/3/00 1500	J. Vellucci			
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→I

print legibly

Coc.xls8/8/00

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW19
NJDEP ID #: 29-32579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/03/00
WEATHER: Sunny, and cool.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.68 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.26 ft
DEPTH OF WELL: 17.50 ft
DEPTH TO TOP OF SCREEN: 5.00 ft
HEIGHT OF WATER: 10.24 ft
(10.24) X .65 X 3 = 19.96
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:02
pH 7.76 su — TEMP 15.7 °C
DISSOLVED O2 5.98 ppm — SPECIFIC CONDUCTIVITY 217 us/cm

PURGE END TIME: 14:29
pH 7.80 su — TEMP 15.5 °C
DISSOLVED O2 4.41 ppm — SPECIFIC CONDUCTIVITY 210 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.39 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 14:30
pH 7.80 su — TEMP 15.4 °C
DISSOLVED O2 4.39 ppm — SPECIFIC CONDUCTIVITY 210 us/cm

SAMPLE END TIME: 14:39

COMMENTS: Slightly cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW20
NJDEP ID #: 29-32580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/03/00
WEATHER: Sunny, cool.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.29 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.99 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: 4.50 ft
HEIGHT OF WATER: 9.91 ft
(9.91) X .65 X 3 = 19.32
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:00
pH 7.78 su — TEMP 16.3 °C
DISSOLVED O2 5.87 ppm — SPECIFIC CONDUCTIVITY 167 us/cm

PURGE END TIME: 14:22
pH 7.81 su — TEMP 16.0 °C
DISSOLVED O2 4.29 ppm — SPECIFIC CONDUCTIVITY 160 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.06 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 14:23
pH 7.82 su — TEMP 16.1 °C
DISSOLVED O2 4.27 ppm — SPECIFIC CONDUCTIVITY 159 us/cm

SAMPLE END TIME: 14:29

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW21
NJDEP ID #: 29-32581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/03/00
WEATHER: Sunny, and cool.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.57 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.83 ft
DEPTH OF WELL: 19.30 ft
DEPTH TO TOP OF SCREEN: 6.00 ft
HEIGHT OF WATER: 12.47 ft
(12.47) X .65 X 3 = 24.31
GALLONS OF H2O TO BE PURGED: 24 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:20
pH 7.71 su — TEMP 17.4 °C
DISSOLVED O2 5.76 ppm — SPECIFIC CONDUCTIVITY 219 us/cm

PURGE END TIME: 10:04
pH 7.78 su — TEMP 17.2 °C
DISSOLVED O2 4.02 ppm — SPECIFIC CONDUCTIVITY 214 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.47 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 24 gal

SAMPLE START TIME: 10:05
pH 7.77 su — TEMP 17.2 °C
DISSOLVED O2 3.99 ppm — SPECIFIC CONDUCTIVITY 214 us/cm

SAMPLE END TIME: 10:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW22
NJDEP ID #: 29-41787
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/03/00
WEATHER: Sunny, and cool.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.86 ft
DEPTH OF WELL: 20.26 ft
DEPTH TO TOP OF SCREEN: 3.00 ft
HEIGHT OF WATER: 13.40 ft
(13.40) X .65 X 3 = 26.13
GALLONS OF H2O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:21
pH 7.77 su — TEMP 15.6 °C
DISSOLVED O2 5.99 ppm — SPECIFIC CONDUCTIVITY 197 us/cm

PURGE END TIME: 10:14
pH 7.86 su — TEMP 15.5 °C
DISSOLVED O2 4.39 ppm — SPECIFIC CONDUCTIVITY 199 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.83 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 10:15
pH 7.87 su — TEMP 15.7 °C
DISSOLVED O2 4.37 ppm — SPECIFIC CONDUCTIVITY 200 us/cm

SAMPLE END TIME: 10:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW23
NJDEP ID #: 29-41786
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/03/00
WEATHER: Sunny, and cool.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.93 ft
DEPTH OF WELL: 21.10 ft
DEPTH TO TOP OF SCREEN: 3.00 ft
HEIGHT OF WATER: 14.17 ft
(14.17) X .65 X 3 = 27.63
GALLONS OF H2O TO BE PURGED: 28 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:23
pH 7.77 su — TEMP 17.4 °C
DISSOLVED O2 5.97 ppm — SPECIFIC CONDUCTIVITY 199 us/cm

PURGE END TIME: 10:24
pH 7.81 su — TEMP 17.2 °C
DISSOLVED O2 4.03 ppm — SPECIFIC CONDUCTIVITY 195 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.57 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 28 gal

SAMPLE START TIME: 10:25
pH 7.83 su — TEMP 17.3 °C
DISSOLVED O2 4.01 ppm — SPECIFIC CONDUCTIVITY 195 us/cm

SAMPLE END TIME: 10:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW24
NJDEP ID #: 29-41788
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/03/00
WEATHER: Sunny, and cool.
TIDE: Low-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.45 ft
DEPTH OF WELL: 18.85 ft
DEPTH TO TOP OF SCREEN: 3.00 ft
HEIGHT OF WATER: 11.40 ft
(11.40) X .65 X 3 = 22.23
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:19
pH 7.38 su — TEMP 18.8 °C
DISSOLVED O2 4.91 ppm — SPECIFIC CONDUCTIVITY 105.6 us/cm

PURGE END TIME: 09:54
pH 7.40 su — TEMP 18.6 °C
DISSOLVED O2 3.89 ppm — SPECIFIC CONDUCTIVITY 94.4 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 13.90 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 09:55
pH 7.41 su — TEMP 18.7 °C
DISSOLVED O2 3.87 ppm — SPECIFIC CONDUCTIVITY 94.3 us/cm

SAMPLE END TIME: 10:00

COMMENTS: Yellow color, strong methane odor. DUP. Here.

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	**VC004319.D**	Sample Name	**Vblk120**
Operator	**Skelton**	Field ID	**Vblk120**
Date Aquired	**7-Nov-00**	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	
156594	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

11/13/00 2:33 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Vblk120**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk120

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004319.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: not dec. Date Analyzed: 11/7/00

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	**VC004320.D**	Sample Name	**5833.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**7-Nov-00**	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	8.91	242867	5.71 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide	11.14	186134	0.93 ug/L	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	
156594	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

11/13/00 2:33 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5833.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004320.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: not dec. Date Analyzed: 11/7/00

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	**VC004321.D**	Sample Name	**5833.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**7-Nov-00**	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	8.93	219425	5.09 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	
75-34-3	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	
156594	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

11/13/00 2:33 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5833.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004321.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: not dec. Date Analyzed: 11/7/00

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	**VC004322.D**	Sample Name	**5833.03**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**7-Nov-00**	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	8.90	462526	10.59 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	
75-34-3	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	
156594	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

11/13/00 2:33 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5833.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004322.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: not dec. Date Analyzed: 11/7/00

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	**VC004323.D**	Sample Name	**5833.04**
Operator	**Skelton**	Field ID	**0M14MW19**
Date Aquired	**7-Nov-00**	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	8.92	227476	5.33 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	
75-34-3	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	
156594	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

11/13/00 2:33 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0M14MW19**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5833.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004323.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: not dec. Date Analyzed: 11/7/00

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	**VC004324.D**	Sample Name	**5833.05**
Operator	**Skelton**	Field ID	**0M14MW20**
Date Aquired	**7-Nov-00**	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	8.91	320640	7.45 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	
75-34-3	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	
156594	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: **0M14MW20**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5833.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004324.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: not dec. Date Analyzed: 11/7/00

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	**VC004325.D**	Sample Name	**5833.06**
Operator	**Skelton**	Field ID	**0M14MW21**
Date Aquired	**7-Nov-00**	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	8.91	229166	5.28 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	
75-34-3	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	
156594	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: **0M14MW21**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5833.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004325.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: not dec. Date Analyzed: 11/7/00

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	**VC004326.D**	Sample Name	**5833.07**
Operator	**Skelton**	Field ID	**0M14MW22**
Date Aquired	**7-Nov-00**	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	8.90	242363	5.56 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	
75-34-3	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	
156594	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	27.35	269053	1.33 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

11/13/00 2:33 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0M14MW22**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5833.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004326.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: not dec. Date Analyzed: 11/7/00

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	**VC004327.D**	Sample Name	**5833.08**
Operator	**Skelton**	Field ID	**0M14MW23**
Date Aquired	**8-Nov-00**	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	
156594	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

11/13/00 2:33 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0M14MW23**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5833.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004327.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: not dec. _____ Date Analyzed: 11/8/00

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	**VC004328.D**	Sample Name	**5833.09**
Operator	**Skelton**	Field ID	**0M14MW24**
Date Aquired	**8-Nov-00**	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	8.91	385240	8.86 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide	11.14	124411	0.61 ug/L	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	
156594	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

11/13/00 2:33 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0M14MW24**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5833.09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004328.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: not dec. Date Analyzed: 11/8/00

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

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04636.D**	Sample Name	**Sblk435**
Operator	**Bhaskar**	Misc Info	**Sblk435 A 001108**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04636.D**	Sample Name	**Sblk435**
Operator	**Bhaskar**	Misc Info	**Sblk435 A 001108**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **Sblk435**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Sblk435

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04636.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/8/00

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	7.44	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04638.D**	Sample Name	**5833.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04638.D**	Sample Name	**5833.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5833.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04638.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/8/00

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	7.44	5	J
2. 000095-16-9	Benzothiazole	14.49	10	JN
3. 000934-34-9	2(3H)-Benzothiazolone	20.33	4	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04639.D**	Sample Name	**5833.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04639.D**	Sample Name	**5833.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5833.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04639.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/8/00

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	7.44	5	J
2. 000105-60-2	Caprolactam	14.83	4	JN
3.	unknown	20.41	5	J
4.	unknown	20.67	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04640.D**	Sample Name	**5833.04**
Operator	**Bhaskar**	Misc Info	**M14MW19**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04640.D**	Sample Name	**5833.04**
Operator	**Bhaskar**	Misc Info	**M14MW19**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW19**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5833.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04640.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/8/00

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	7.44	4	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04641.D**	Sample Name	**5833.05**
Operator	**Bhaskar**	Misc Info	**M14MW20**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04641.D**	Sample Name	**5833.05**
Operator	**Bhaskar**	Misc Info	**M14MW20**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW20**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5833.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04641.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/8/00

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	7.44	5	J
2.	unknown	30.49	5	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04642.D**	Sample Name	**5833.06**
Operator	**Bhaskar**	Misc Info	**M14MW21**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04642.D**	Sample Name	**5833.06**
Operator	**Bhaskar**	Misc Info	**M14MW21**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW21**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5833.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04642.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/8/00

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	7.44	4	J
2.	unknown	30.48	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04643.D**	Sample Name	**5833.07**
Operator	**Bhaskar**	Misc Info	**M14MW22**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04643.D**	Sample Name	**5833.07**
Operator	**Bhaskar**	Misc Info	**M14MW22**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW22**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5833.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04643.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/8/00

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	7.44	4	J
2.	unknown	30.48	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04644.D**	Sample Name	**5833.08**
Operator	**Bhaskar**	Misc Info	**M14MW23**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04644.D**	Sample Name	**5833.08**
Operator	**Bhaskar**	Misc Info	**M14MW23**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW23**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5833.08

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04644.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/8/00

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	30.48	5	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04645.D**	Sample Name	**5833.09**
Operator	**Bhaskar**	Misc Info	**M14MW24**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	I	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04645.D**	Sample Name	**5833.09**
Operator	**Bhaskar**	Misc Info	**M14MW24**
Date Acquired	**8-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW24**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5833 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5833.09

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04645.D

Level: (low/med) LOW Date Received: 11/3/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/8/00

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	7.44	5	J
2. 000105-60-2	Caprolactam	14.84	4	JN
3.	unknown	20.41	6	J
4.	unknown	20.68	9	J
5.	unknown	30.49	5	J

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

Client :	U.S. Army	**Lab. ID # :**	PBLK620
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	11/7/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/13/00
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5833.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/3/00
	Bldg. 173	**Extraction Date:**	11/7/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/13/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5833.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/3/00
	Bldg. 173	**Extraction Date:**	11/7/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/13/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Dupe
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5833.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/3/00
	Bldg. 173	**Extraction Date:**	11/7/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/13/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5833.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/3/00
	Bldg. 173	**Extraction Date:**	11/7/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/13/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5833.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/3/00
	Bldg. 173	**Extraction Date:**	11/7/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/13/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5833.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/3/00
	Bldg. 173	**Extraction Date:**	11/7/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/13/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW22
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5833.08
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/3/00
	Bldg. 173	**Extraction Date:**	11/7/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/13/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW23
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5833.09
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/3/00
	Bldg. 173	**Extraction Date:**	11/7/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/13/00
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW24
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

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

Lab ID #: 5833
Sample Prepared: 11/07/00

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/07/00	17.7	200	10.0
Antimony	11/07/00	ND	20	2.0
Arsenic	11/07/00	ND	8	2.0
Barium	11/07/00	ND	2000	0.5
Beryllium	11/07/00	ND	20	0.5
Cadmium	11/07/00	ND	4	0.5
Calcium	11/07/00	170	NLE	20.0
Chromium	11/07/00	ND	100	0.5
Cobalt	11/07/00	ND	NLE	0.5
Copper	11/07/00	ND	1000	3.0
Iron	11/07/00	ND	300	10.0
Lead	11/07/00	ND	10	2.0
Magnesium	11/07/00	ND	NLE	20.0
Manganese	11/07/00	ND	50	0.5
Mercury	11/06/00	ND	2	0.1
Nickel	11/07/00	ND	100	0.5
Potassium	11/07/00	123	NLE	20.0
Selenium	11/07/00	ND	50	3.0
Silver	11/07/00	ND	20	3.0
Sodium	11/07/00	2380	50000	20.0
Thallium	11/07/00	ND	10	3.0
Vanadium	11/07/00	ND	NLE	1.0
Zinc	11/07/00	ND	5000	1.0

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 #: 5833.02
Sample Received: 11/03/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/07/00	ND	200	10.0
Antimony	11/07/00	ND	20	2.0
Arsenic	11/07/00	ND	8	2.0
Barium	11/07/00	ND	2000	0.5
Beryllium	11/07/00	ND	20	0.5
Cadmium	11/07/00	ND	4	0.5
Calcium	11/07/00	26.1	NLE	20.0
Chromium	11/07/00	ND	100	0.5
Cobalt	11/07/00	ND	NLE	0.5
Copper	11/07/00	4.76	1000	3.0
Iron	11/07/00	ND	300	10.0
Lead	11/07/00	ND	10	2.0
Magnesium	11/07/00	ND	NLE	20.0
Manganese	11/07/00	ND	50	0.5
Mercury	11/06/00	ND	2	0.1
Nickel	11/07/00	ND	100	0.5
Potassium	11/07/00	ND	NLE	20.0
Selenium	11/07/00	ND	50	3.0
Silver	11/07/00	ND	20	3.0
Sodium	11/07/00	ND	50000	20.0
Thallium	11/07/00	ND	10	3.0
Vanadium	11/07/00	0.731	NLE	1.0
Zinc	11/07/00	ND	5000	1.0

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 #: 5833.03
Sample Received: 11/03/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Dupe

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/07/00	297	200	10.0
Antimony	11/07/00	ND	20	2.0
Arsenic	11/07/00	18.3	8	2.0
Barium	11/07/00	31.3	2000	0.5
Beryllium	11/07/00	ND	20	0.5
Cadmium	11/07/00	ND	4	0.5
Calcium	11/07/00	153000	NLE	20.0
Chromium	11/07/00	15.2	100	0.5
Cobalt	11/07/00	ND	NLE	0.5
Copper	11/07/00	36.7	1000	3.0
Iron	11/07/00	6590	300	10.0
Lead	11/07/00	ND	10	2.0
Magnesium	11/07/00	46100	NLE	20.0
Manganese	11/07/00	196	50	0.5
Mercury	11/06/00	ND	2	0.1
Nickel	11/07/00	2.26	100	0.5
Potassium	11/07/00	27000	NLE	20.0
Selenium	11/07/00	6.89	50	3.0
Silver	11/07/00	ND	20	3.0
Sodium	11/07/00	146000	50000	20.0
Thallium	11/07/00	ND	10	3.0
Vanadium	11/07/00	5.50	NLE	1.0
Zinc	11/07/00	56.6	5000	1.0

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 #: 5833.04
Sample Received: 11/03/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/07/00	36.9	200	10.0
Antimony	11/07/00	ND	20	2.0
Arsenic	11/07/00	ND	8	2.0
Barium	11/07/00	22.4	2000	0.5
Beryllium	11/07/00	ND	20	0.5
Cadmium	11/07/00	ND	4	0.5
Calcium	11/07/00	21700	NLE	20.0
Chromium	11/07/00	1.18	100	0.5
Cobalt	11/07/00	ND	NLE	0.5
Copper	11/07/00	17.8	1000	3.0
Iron	11/07/00	15200	300	10.0
Lead	11/07/00	1.12	10	2.0
Magnesium	11/07/00	3280	NLE	20.0
Manganese	11/07/00	123	50	0.5
Mercury	11/06/00	ND	2	0.1
Nickel	11/07/00	ND	100	0.5
Potassium	11/07/00	7050	NLE	20.0
Selenium	11/07/00	ND	50	3.0
Silver	11/07/00	ND	20	3.0
Sodium	11/07/00	8360	50000	20.0
Thallium	11/07/00	ND	10	3.0
Vanadium	11/07/00	1.15	NLE	1.0
Zinc	11/07/00	33.0	5000	1.0

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 #: 5833.05
Sample Received: 11/03/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/07/00	103	200	10.0
Antimony	11/07/00	ND	20	2.0
Arsenic	11/07/00	5.00	8	2.0
Barium	11/07/00	35.8	2000	0.5
Beryllium	11/07/00	ND	20	0.5
Cadmium	11/07/00	ND	4	0.5
Calcium	11/07/00	44200	NLE	20.0
Chromium	11/07/00	2.20	100	0.5
Cobalt	11/07/00	ND	NLE	0.5
Copper	11/07/00	20.0	1000	3.0
Iron	11/07/00	10500	300	10.0
Lead	11/07/00	2.81	10	2.0
Magnesium	11/07/00	3730	NLE	20.0
Manganese	11/07/00	79.8	50	0.5
Mercury	11/06/00	ND	2	0.1
Nickel	11/07/00	1.86	100	0.5
Potassium	11/07/00	6720	NLE	20.0
Selenium	11/07/00	ND	50	3.0
Silver	11/07/00	ND	20	3.0
Sodium	11/07/00	7130	50000	20.0
Thallium	11/07/00	ND	10	3.0
Vanadium	11/07/00	2.00	NLE	1.0
Zinc	11/07/00	52.0	5000	1.0

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 #: 5833.06
Sample Received: 11/03/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/07/00	48.7	200	10.0
Antimony	11/07/00	ND	20	2.0
Arsenic	11/07/00	ND	8	2.0
Barium	11/07/00	25.0	2000	0.5
Beryllium	11/07/00	ND	20	0.5
Cadmium	11/07/00	ND	4	0.5
Calcium	11/07/00	35100	NLE	20.0
Chromium	11/07/00	2.08	100	0.5
Cobalt	11/07/00	ND	NLE	0.5
Copper	11/07/00	247	1000	3.0
Iron	11/07/00	834	300	10.0
Lead	11/07/00	38.3	10	2.0
Magnesium	11/07/00	4080	NLE	20.0
Manganese	11/07/00	85.8	50	0.5
Mercury	11/06/00	ND	2	0.1
Nickel	11/07/00	9.81	100	0.5
Potassium	11/07/00	7300	NLE	20.0
Selenium	11/07/00	ND	50	3.0
Silver	11/07/00	ND	20	3.0
Sodium	11/07/00	7040	50000	20.0
Thallium	11/07/00	ND	10	3.0
Vanadium	11/07/00	1.48	NLE	1.0
Zinc	11/07/00	406	5000	1.0

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 #: 5833.07
Sample Received: 11/03/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW22

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/07/00	76.9	200	10.0
Antimony	11/07/00	ND	20	2.0
Arsenic	11/07/00	ND	8	2.0
Barium	11/07/00	40.2	2000	0.5
Beryllium	11/07/00	ND	20	0.5
Cadmium	11/07/00	ND	4	0.5
Calcium	11/07/00	53000	NLE	20.0
Chromium	11/07/00	2.02	100	0.5
Cobalt	11/07/00	ND	NLE	0.5
Copper	11/07/00	8.47	1000	3.0
Iron	11/07/00	4380	300	10.0
Lead	11/07/00	1.37	10	2.0
Magnesium	11/07/00	3720	NLE	20.0
Manganese	11/07/00	88.6	50	0.5
Mercury	11/06/00	ND	2	0.1
Nickel	11/07/00	1.58	100	0.5
Potassium	11/07/00	5660	NLE	20.0
Selenium	11/07/00	ND	50	3.0
Silver	11/07/00	ND	20	3.0
Sodium	11/07/00	6150	50000	20.0
Thallium	11/07/00	ND	10	3.0
Vanadium	11/07/00	1.71	NLE	1.0
Zinc	11/07/00	58.0	5000	1.0

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 #: 5833.08
Sample Received: 11/03/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW23

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/07/00	23.4	200	10.0
Antimony	11/07/00	ND	20	2.0
Arsenic	11/07/00	2.71	8	2.0
Barium	11/07/00	15.7	2000	0.5
Beryllium	11/07/00	ND	20	0.5
Cadmium	11/07/00	ND	4	0.5
Calcium	11/07/00	41700	NLE	20.0
Chromium	11/07/00	1.88	100	0.5
Cobalt	11/07/00	ND	NLE	0.5
Copper	11/07/00	2.90	1000	3.0
Iron	11/07/00	4050	300	10.0
Lead	11/07/00	ND	10	2.0
Magnesium	11/07/00	4510	NLE	20.0
Manganese	11/07/00	39.7	50	0.5
Mercury	11/06/00	ND	2	0.1
Nickel	11/07/00	ND	100	0.5
Potassium	11/07/00	6280	NLE	20.0
Selenium	11/07/00	3.77	50	3.0
Silver	11/07/00	ND	20	3.0
Sodium	11/07/00	8900	50000	20.0
Thallium	11/07/00	ND	10	3.0
Vanadium	11/07/00	1.60	NLE	1.0
Zinc	11/07/00	40.7	5000	1.0

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 #: 5833.09
Sample Received: 11/03/00
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW24

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/07/00	239	200	10.0
Antimony	11/07/00	ND	20	2.0
Arsenic	11/07/00	17.8	8	2.0
Barium	11/07/00	30.5	2000	0.5
Beryllium	11/07/00	ND	20	0.5
Cadmium	11/07/00	ND	4	0.5
Calcium	11/07/00	153000	NLE	20.0
Chromium	11/07/00	12.4	100	0.5
Cobalt	11/07/00	ND	NLE	0.5
Copper	11/07/00	2.60	1000	3.0
Iron	11/07/00	6280	300	10.0
Lead	11/07/00	ND	10	2.0
Magnesium	11/07/00	46500	NLE	20.0
Manganese	11/07/00	194	50	0.5
Mercury	11/06/00	ND	2	0.1
Nickel	11/07/00	ND	100	0.5
Potassium	11/07/00	27400	NLE	20.0
Selenium	11/07/00	12.1	50	3.0
Silver	11/07/00	ND	20	3.0
Sodium	11/07/00	148000	50000	20.0
Thallium	11/07/00	ND	10	3.0
Vanadium	11/07/00	5.48	NLE	1.0
Zinc	11/07/00	36.2	5000	1.0

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

	Laboratory	Acetone	2-Butanone	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	900	300	50	20	200	20	8	-
06/12/1997	FMETL	ND	ND	2.06	27000	57	33	-	-	-	V,S,P,M
07/03/1997	FMETL	ND	ND	1.04	30300	290	27	124.1	ND	2	V,S,P,M
11/07/1997	FMETL	ND	ND	1.60	11600	136	ND	110	ND	ND	V,S,P,M
02/23/1998	FMETL	ND	ND	7.20	50590	119	ND	76	ND	ND	V,S,P,M
05/07/1998	FMETL	ND	ND	ND	48050	172	ND	34.5	ND	2.6	V,S,P,M
08/06/1998	FMETL	5.25	4.38	ND	19900	219	ND	117	2.27	ND	V,S,P,M
11/03/1998	FMETL	ND	ND	ND	14700	100	ND	25.4	3.23	ND	V,S,P,M
01/29/1999	FMETL	ND	ND	ND	41400	654	ND	ND	ND	ND	V,S,P,M
05/25/1999	FMETL	ND	ND	ND	40400	314	ND	154	ND	ND	V,S,P,M
07/23/1999	FMETL	ND	ND	ND	13700	89.7	ND	74.8	ND	ND	V,S,P,M
10/14/1999	FMETL	ND	ND	ND	17400	147	ND	160	6.92	ND	V,S,P,M
02/24/2000	FMETL	ND	ND	ND	24900	105	ND	ND	ND	ND	V,S,P,M
02/24/2000D	FMETL	ND	ND	ND	22300	102	ND	ND	ND	ND	V,S,P,M
05/16/2000	FMETL	ND	ND	ND	20500	79.2	ND	64.4	ND	ND	V,S,P,M
09/01/2000	FMETL	ND	ND	ND	15700	102	4.48	138	ND	ND	V,S,P,M
11/03/2000	FMETL	5.33	ND	ND	15200	123	ND	36.9	ND	ND	V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 11/03/2000

NOTES:

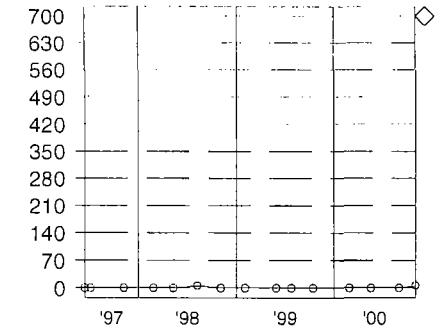
FORT MONMOUTH

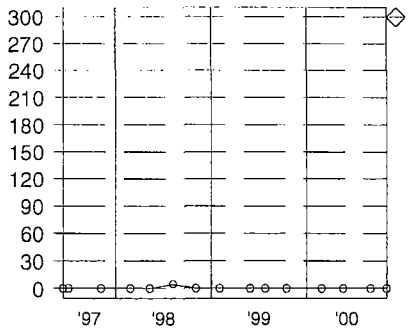
GW MONITORING
Bldg. M-14

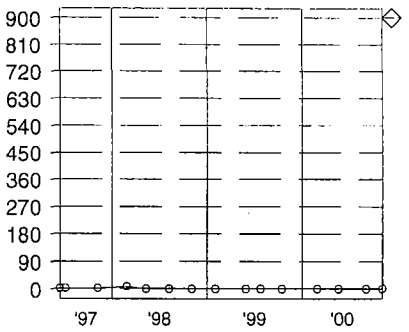
Source 1 of 6

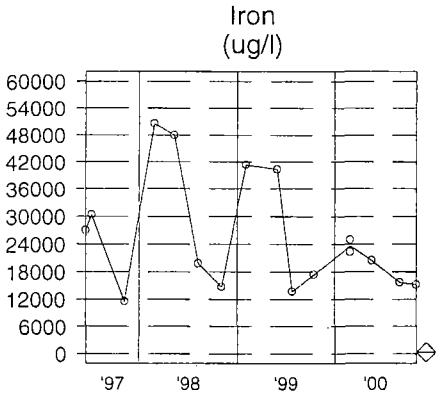
*Ag in blank > GW Criteria for 6/97 & 7/97.

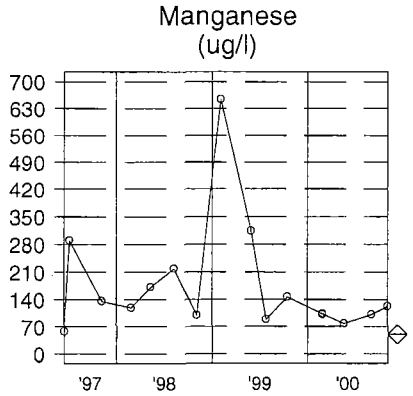
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

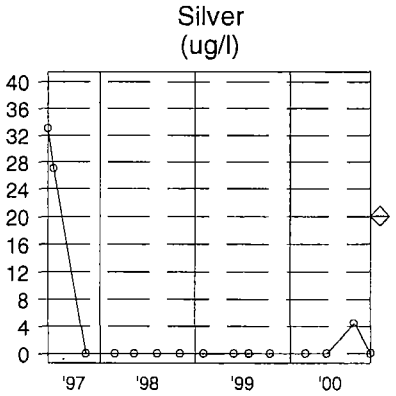


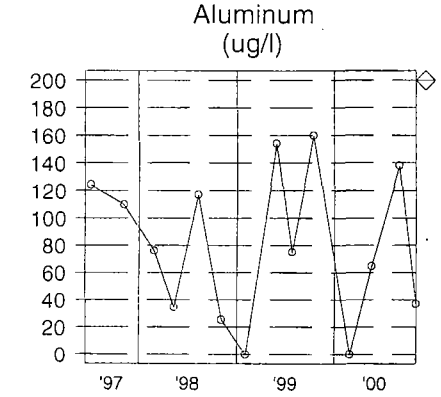


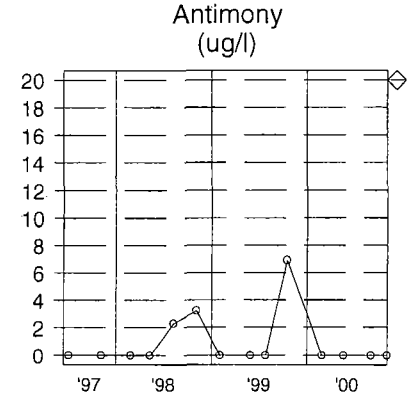


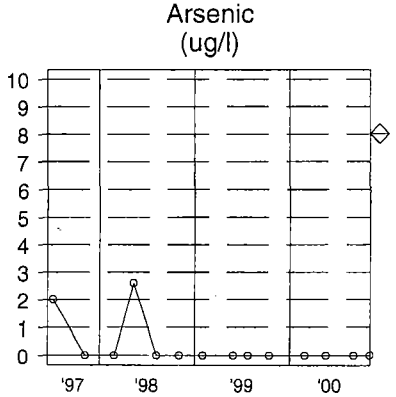












SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 11/03/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 1 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-27-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	2000	NLE	NLE	100	NLE	50000	5000	-		-
06/12/1997	FMETL	-	-	-	-	-	-	-	6.90		V,S,P,M
07/03/1997	FMETL	70.8	27810	4280	ND	5340	8320	21	7.20		V,S,P,M
11/07/1997	FMETL	17.4	18930	2320	ND	5660	6580	67	7.35		V,S,P,M
02/23/1998	FMETL	46.2	20450	2420	1.2	6400	5940	21	6.40		V,S,P,M
05/07/1998	FMETL	51.1	25500	2956	1.2	8018	7202	23.9	6.51		V,S,P,M
08/06/1998	FMETL	337	29100	3200	ND	14800	9130	61.3	7.84		V,S,P,M
11/03/1998	FMETL	13.8	19100	2530	5.69	28700	5360	72.6	8.01		V,S,P,M
01/29/1999	FMETL	35.8	40900	4550	20.6	6380	7810	664	6.43		V,S,P,M
05/25/1999	FMETL	59.2	28800	3470	0.931	7310	9220	4.98	7.31		V,S,P,M
07/23/1999	FMETL	13.2	16700	2120	0.716	6330	5840	40.3	7.98		V,S,P,M
10/14/1999	FMETL	27.2	20600	2770	5.03	6860	5880	55.2	7.67		V,S,P,M
02/24/2000	FMETL	21.6	18700	2450	ND	6080	5800	21.4	6.74		V,S,P,M
02/24/2000D	FMETL	19.6	18000	2390	ND	6100	5930	12.3	6.74		V,S,P,M
05/16/2000	FMETL	ND	16900	2150	3.59	6100	5040	15.7	6.88		V,S,P,M
09/01/2000	FMETL	17.6	22000	2780	ND	6530	6400	46.4	6.99		V,S,P,M
11/03/2000	FMETL	22.4	21700	3280	ND	7050	8360	33.0	7.26		V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 11/03/2000

NOTES:

Page 2 of 2.

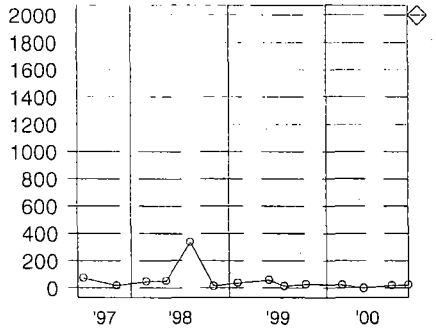
FORT MONMOUTH

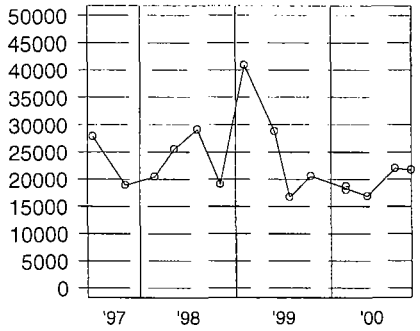
GW MONITORING
Bldg. M-14

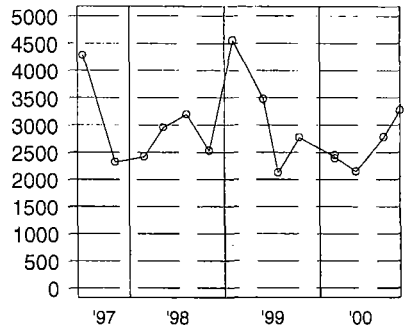
Source 1 of 6

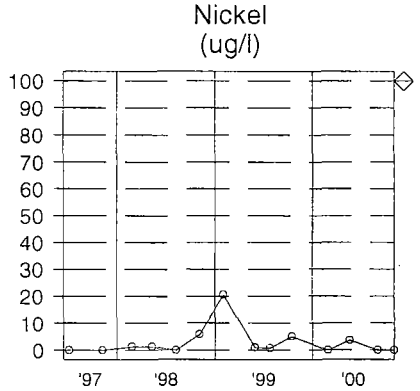
*Ag in blank > GW Criteria for 6/97 & 7/97.

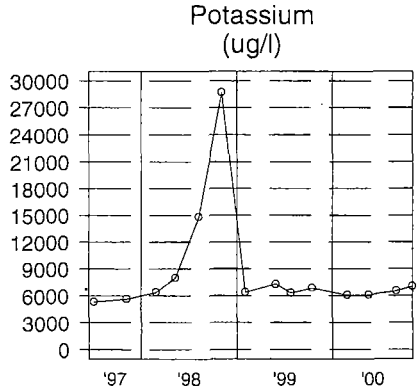
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

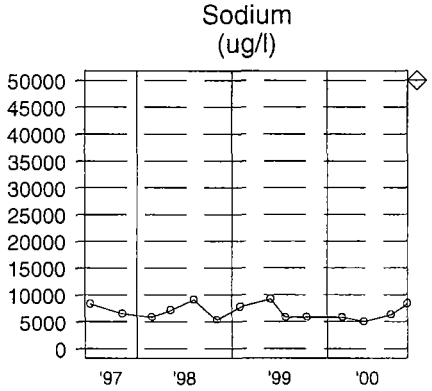


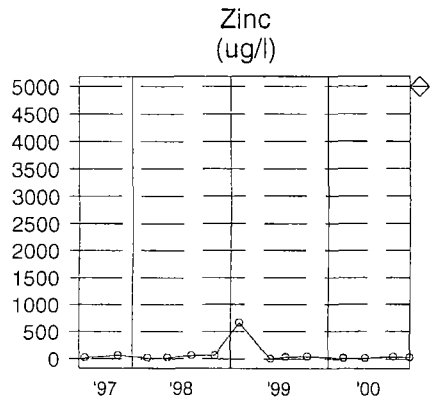


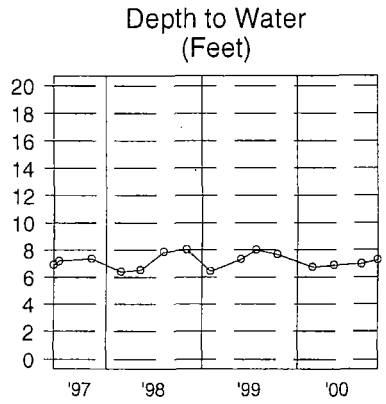












SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 11/03/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 1 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-27-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	900	300	50	20	200	20	8	-
06/12/1997	FMETL	ND	ND	3.86	6990	147	32	-	-	-	V,S,P,M
07/03/1997	FMETL	ND	ND	1.31	2470	75	29	21.2	ND	2	V,S,P,M
11/07/1997	FMETL	ND	ND	2.09	2330	46	ND	71	ND	ND	V,S,P,M
02/23/1998	FMETL	ND	ND	12.5	12550	677	ND	286	ND	ND	V,S,P,M
05/07/1998	FMETL	ND	ND	ND	ND	196	ND	ND	ND	ND	V,S,P,M
08/06/1998	FMETL	14.14	6.58	ND	6680	61	ND	270	2.74	3.77	V,S,P,M
11/03/1998	FMETL	ND	ND	ND	3360	57.8	ND	67.8	ND	3.94	V,S,P,M
01/29/1999	FMETL	ND	ND	ND	7210	146	ND	149	ND	ND	V,S,P,M
05/25/1999	FMETL	ND	ND	ND	1490	88.8	ND	139	ND	ND	V,S,P,M
07/23/1999	FMETL	ND	ND	ND	10600	57.7	ND	365	4.23	3.86	V,S,P,M
10/14/1999	FMETL	ND	ND	ND	59800	445	ND	255	2.58	8.89	V,S,P,M
02/24/2000	FMETL	ND	ND	ND	9570	225	ND	132	ND	5.83	V,S,P,M
05/16/2000	FMETL	ND	ND	ND	5130	167	ND	126	3.27	ND	V,S,P,M
09/01/2000	FMETL	ND	ND	ND	27000	281	3.70	317	ND	14.8	V,S,P,M
11/03/2000	FMETL	7.45	ND	ND	10500	79.8	ND	103	ND	5.00	V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 11/03/2000

NOTES:

FORT MONMOUTH

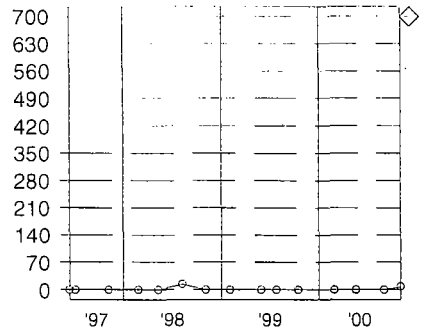
GW MONITORING
Bldg. M-14

Source 2 of 6

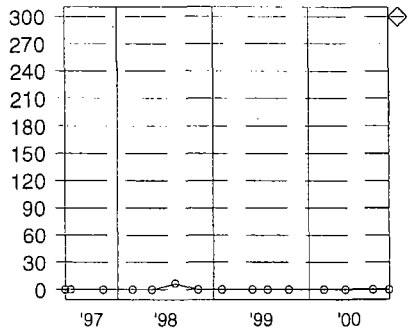
*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

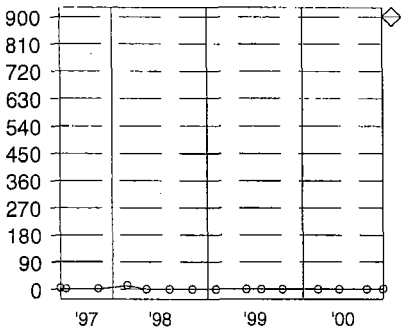
Acetone
(ug/l)



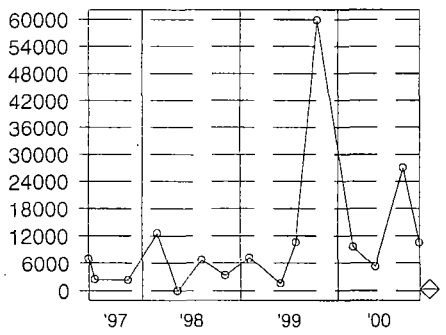
2-Butanone
(ug/l)



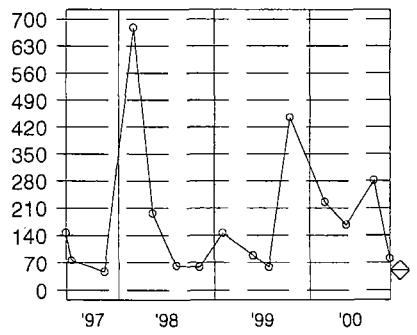
Di-n-butylphthalate
(ug/l)



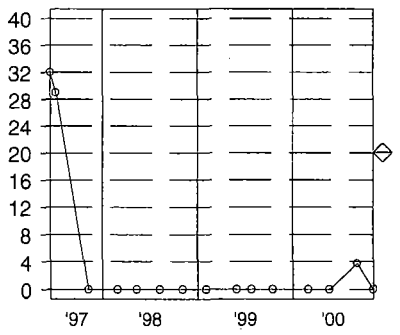
Iron
(ug/l)



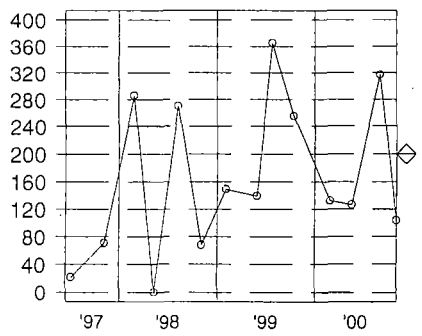
Manganese
(ug/l)



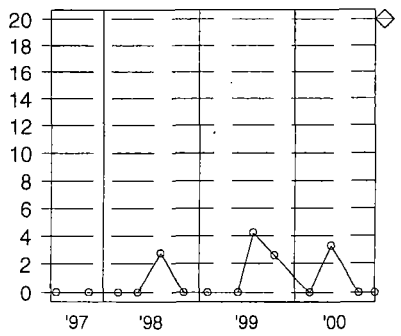
Silver
(ug/l)



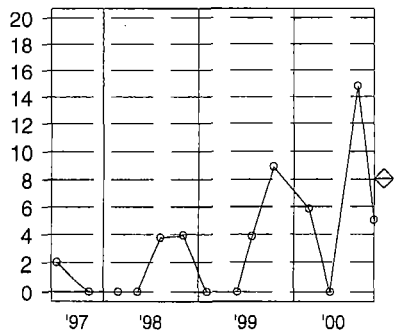
Aluminum
(ug/l)



Antimony
(ug/l)



Arsenic
(ug/l)



SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 11/03/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 2 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-27-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	2000	NLE	NLE	100	NLE	50000	5000	-		-
06/12/1997	FMETL	-	-	-	-	-	-	-	6.25		V,S,P,M
07/03/1997	FMETL	14.6	24700	2350	ND	5290	6000	24	6.60		V,S,P,M
11/07/1997	FMETL	14	34440	2420	ND	5080	5860	45	6.50		V,S,P,M
02/23/1998	FMETL	60.4	104400	8500	24	9500	14860	108	5.80		V,S,P,M
05/07/1998	FMETL	25.5	63960	4130	8.4	10450	10630	12	5.85		V,S,P,M
08/06/1998	FMETL	30.6	37300	2980	ND	7570	6400	42.1	6.94		V,S,P,M
11/03/1998	FMETL	17.7	41300	2730	2.59	6110	5760	17.4	7.40		V,S,P,M
01/29/1999	FMETL	22.5	49400	2350	14.6	5550	7180	133	6.20		V,S,P,M
05/25/1999	FMETL	43	45700	5560	4.32	7770	14000	2.3	6.78		V,S,P,M
07/23/1999	FMETL	42.1	35500	3180	1.12	5710	6190	23.7	7.23		V,S,P,M
10/14/1999	FMETL	61.3	89100	6690	49.1	8210	9990	323	6.82		V,S,P,M
02/24/2000	FMETL	35.9	61600	4600	8.52	7220	9380	45.1	6.71		V,S,P,M
05/16/2000	FMETL	ND	49300	3000	28.7	5650	7190	432	6.60		V,S,P,M
09/01/2000	FMETL	63.9	81000	4860	13.2	8850	8850	137	6.68		V,S,P,M
11/03/2000	FMETL	35.8	44200	3730	1.86	6720	7130	52.0	6.99		V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 11/03/2000

NOTES:

Page 2 of 2.

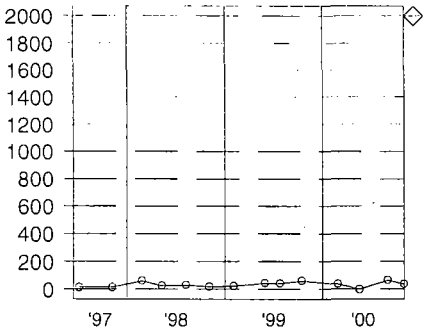
FORT MONMOUTH

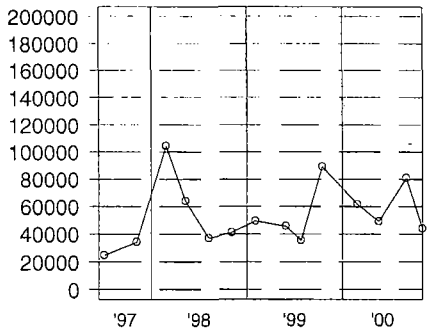
GW MONITORING
Bldg. M-14

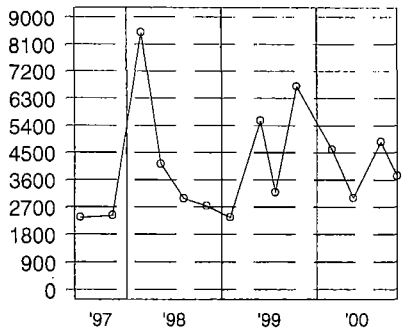
Source 2 of 6

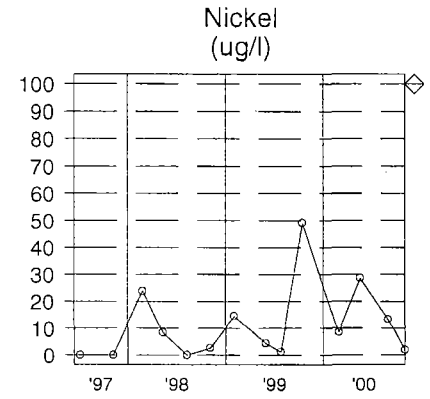
*Ag in blank > GW Criteria for 6/97 & 7/97.

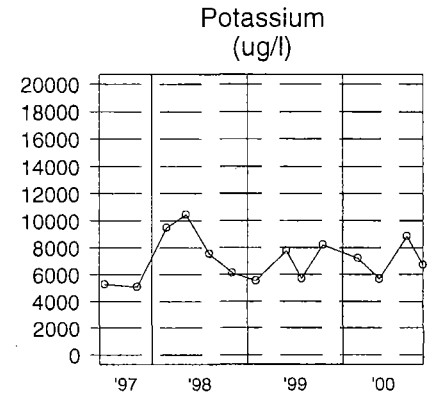
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

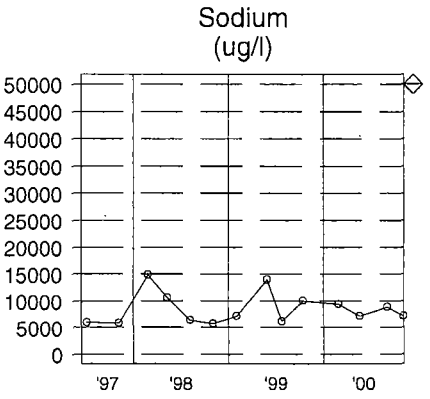


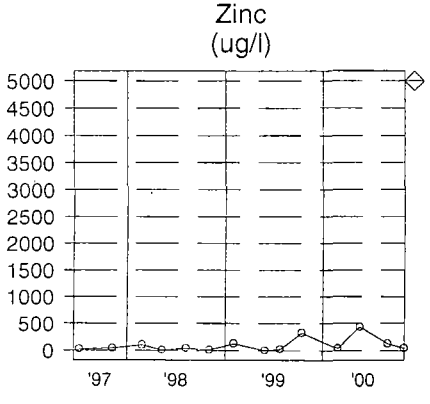


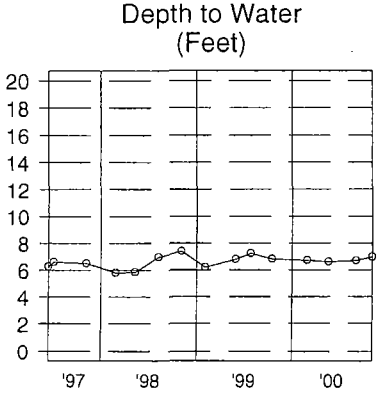












SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 11/03/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 2 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-27-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	900	300	50	20	200	20	8	-
06/12/1997	FMETL	ND	ND	3.66	1470	64	83	-	-	-	V,S,P,M
07/03/1997	FMETL	ND	ND	3.87	940	84	56	26.8	ND	ND	V,S,P,M
11/07/1997	FMETL	ND	ND	1.46	690	58	ND	95	ND	ND	V,S,P,M
02/23/1998	FMETL	ND	ND	ND	5440	85	ND	93	ND	ND	V,S.P.M
05/07/1998	FMETL	ND	ND	ND	1009	54.6	ND	ND	3.4	ND	V,S,P,M
08/06/1998	FMETL	11.41	5.22	ND	3820	91.9	ND	1190	3.8	ND	V,S,P,M
11/03/1998	FMETL	6.57	ND	ND	831	117	ND	93	ND	ND	V,S,P,M
01/29/1999	FMETL	ND	ND	ND	975	67.4	ND	ND	ND	ND	V,S,P,M
05/25/1999	FMETL	ND	ND	ND	29100	231	ND	538	5.05	5.38	V,S,P,M
07/23/1999	FMETL	ND	ND	ND	650	110	ND	64.7	ND	ND	V,S,P,M
10/14/1999	FMETL	ND	ND	ND	1050	77.2	9.16	99.9	2.32	ND	V,S,P,M
02/24/2000	FMETL	ND	ND	ND	871	69.8	ND	ND	ND	ND	V,S,P,M
05/16/2000	FMETL	ND	ND	ND	1040	83.1	ND	56.9	ND	ND	V,S,P,M
09/01/2000	FMETL	6.23	ND	ND	955	71.2	ND	131	ND	ND	V,S,P,M
11/03/2000	FMETL	5.28	ND	ND	834	85.8	ND	48.7	ND	ND	V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 11/03/2000

NOTES:

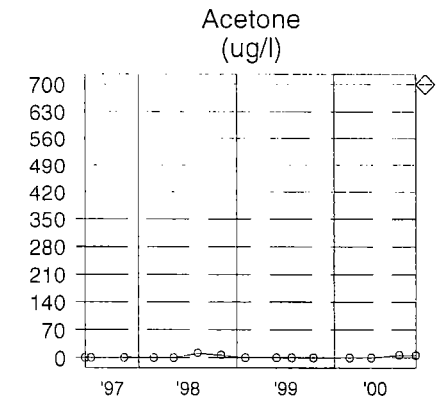
FORT MONMOUTH

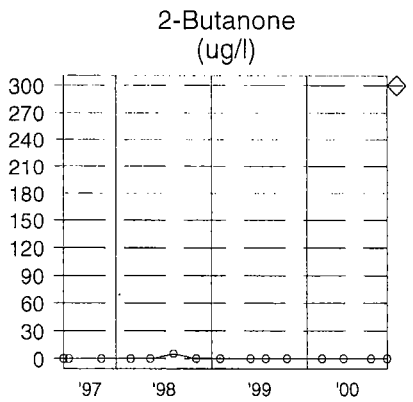
GW MONITORING
Bldg. M-14

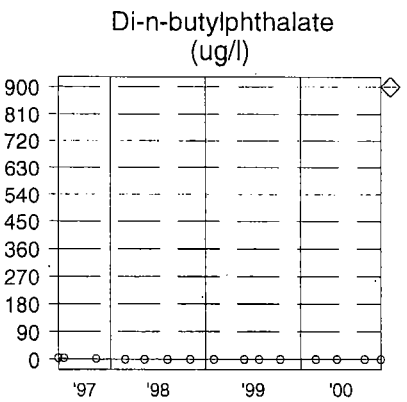
Source 3 of 6

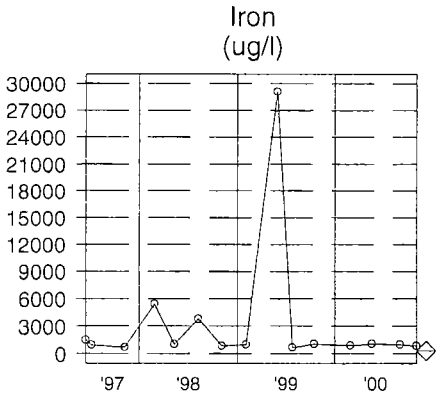
*Ag in blank > GW Criteria for 6/97 & 7/97.

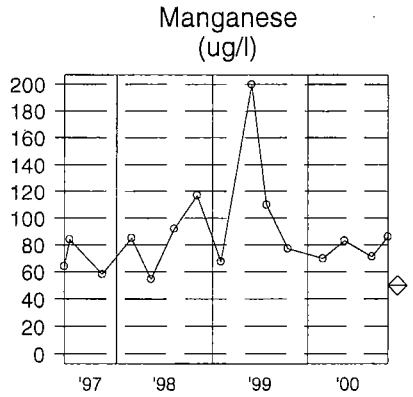
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

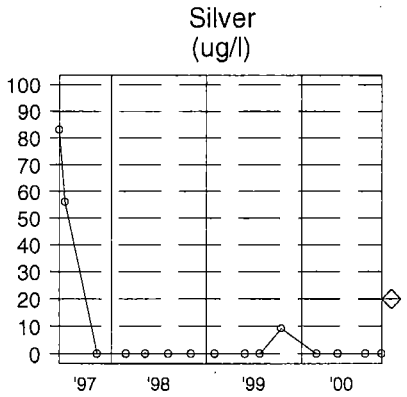


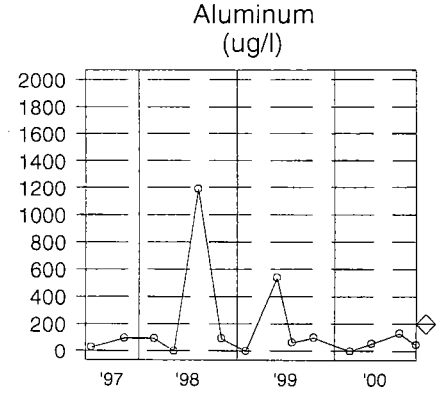


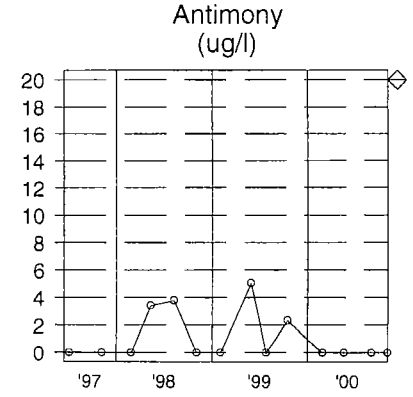


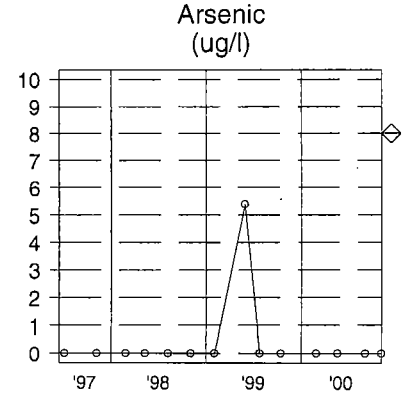












SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 11/03/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 3 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-27-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	2000	NLE	NLE	100	NLE	50000	5000	-		-
06/12/1997	FMETL	-	-	-	-	-	-	-	7.11		V,S,P,M
07/03/1997	FMETL	25.1	29690	4310	ND	6360	6770	26	6.85		V,S,P,M
11/07/1997	FMETL	23.6	34450	4140	5.9	6520	10300	236	7.10		V,S,P,M
02/23/1998	FMETL	97.1	48840	6670	3.8	9230	25370	20	6.10		V,S.P.M
05/07/1998	FMETL	33.1	45440	6389	1.5	10820	11820	ND	6.22		V,S,P,M
08/06/1998	FMETL	43	44200	5090	1.29	12600	7930	47.5	6.83		V,S,P,M
11/03/1998	FMETL	73.4	86800	9390	2.19	11300	38800	ND	6.72		V,S,P,M
01/29/1999	FMETL	26.1	32300	3610	1.17	6240	12300	12	6.27		V,S,P,M
05/25/1999	FMETL	65.2	60700	3870	5.99	7950	9230	27.1	6.58		V,S,P,M
07/23/1999	FMETL	87.9	79100	8940	ND	11200	47000	15.5	7.41		V,S,P,M
10/14/1999	FMETL	28.0	39900	4490	1.14	6580	12000	8.15	7.70		V,S,P,M
02/24/2000	FMETL	18.4	30700	3620	ND	5870	6760	7.62	7.53		V,S,P,M
05/16/2000	FMETL	ND	35000	4070	5.86	6360	7840	105	6.88		V,S,P,M
09/01/2000	FMETL	24.7	33700	3970	ND	6470	6710	27.8	7.34		V,S,P,M
11/03/2000	FMETL	25.0	35100	4080	9.81	7300	7040	406	6.83		V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 11/03/2000

NOTES:

Page 2 of 2.

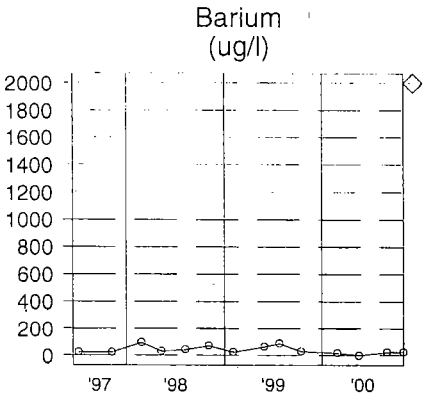
FORT MONMOUTH

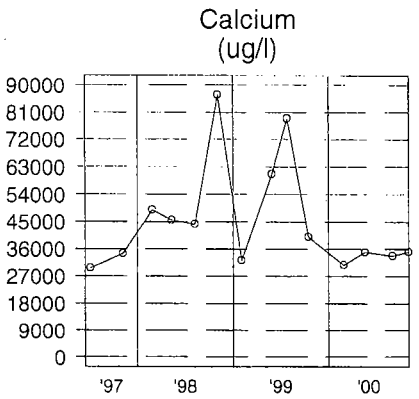
GW MONITORING
Bldg. M-14

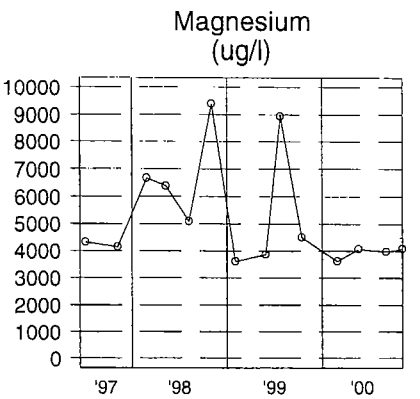
Source 3 of 6

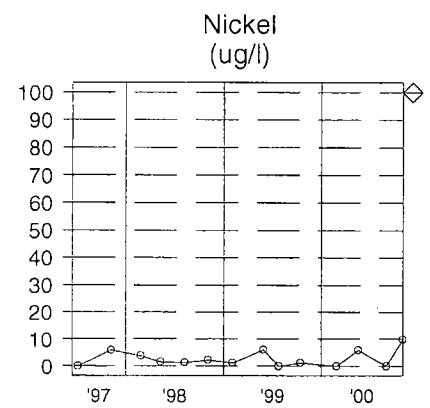
*Ag in blank > GW Criteria for 6/97 & 7/97.

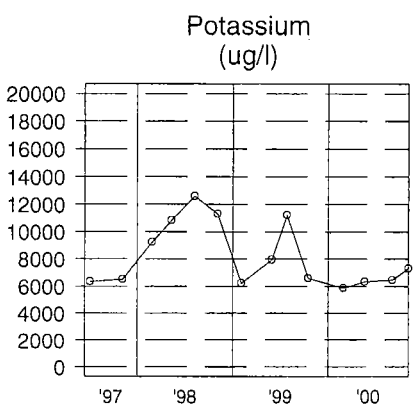
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

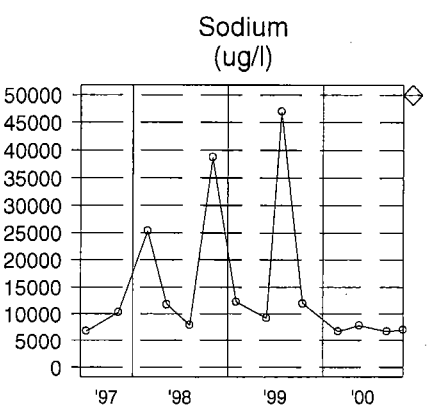


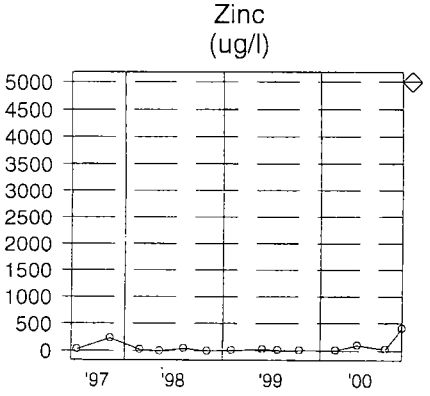


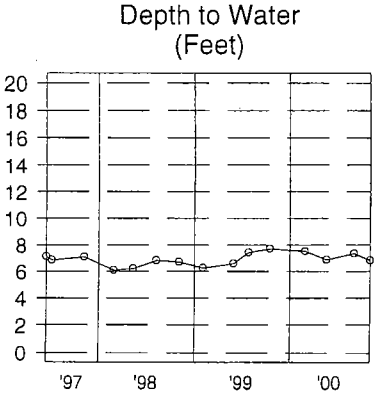












SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 11/03/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 3 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-27-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Chloro benzene	Acetone	Iron	Manganese	Aluminum	Barium	Calcium	Magnesium	Nickel	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	4	700	300	50	200	2000	NLE	NLE	100	-
02/24/2000	FMETL	2.61	ND	21400	422	93.4	119	71200	6590	7.19	V,S,P,M
05/16/2000	FMETL	ND	ND	7400	117	45.6	ND	45000	5400	4.12	V,S,P,M
09/01/2000	FMETL	1.56	ND	6580	102	113	45.6	57400	4230	ND	V,S,P,M
11/03/2000	FMETL	1.33	5.56	4380	88.6	76.9	40.2	53000	3720	1.58	V,S,P,M

SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 11/03/2000

NOTES:

Page 1 of 2.

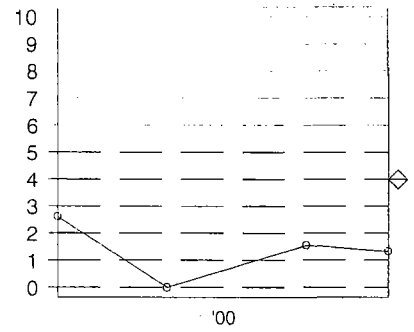
FORT MONMOUTH

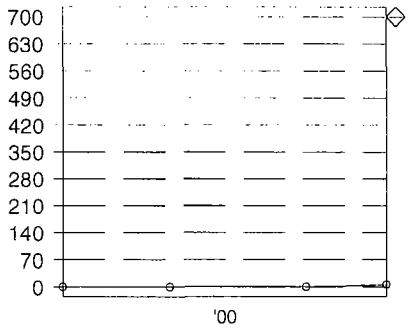
GW MONITORING
Bldg. M-14

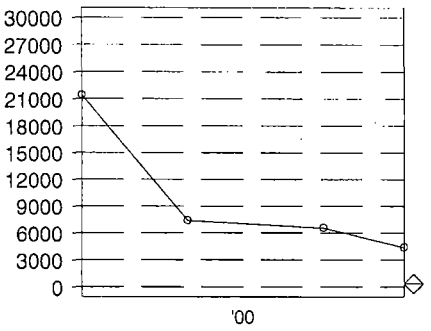
Source 4 of 6

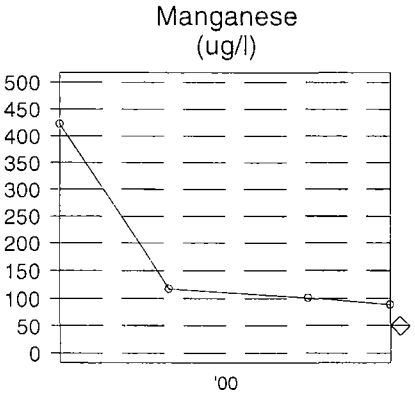
*Ag in blank > GW Criteria for 6/97 & 7/97.

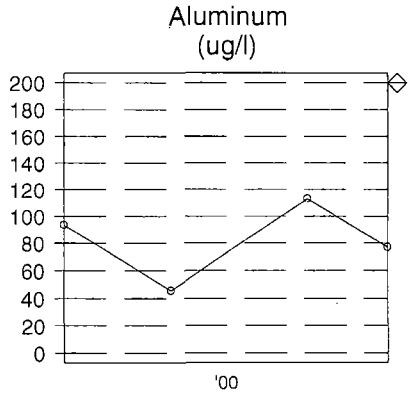
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

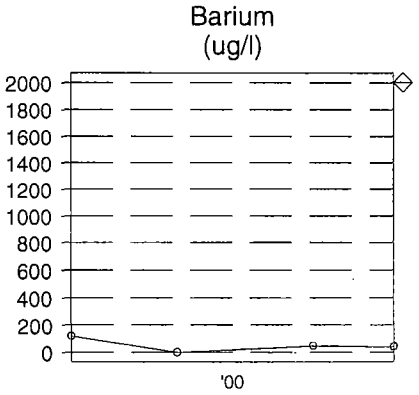


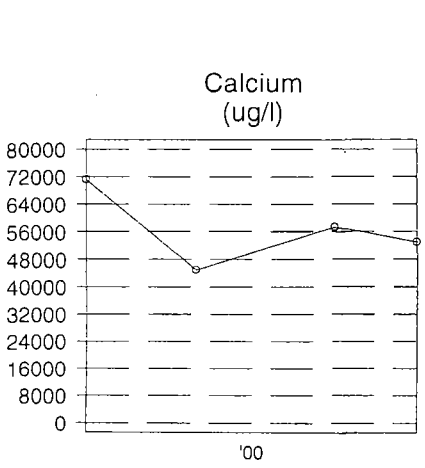


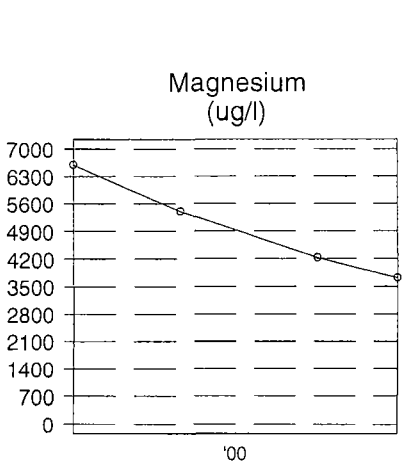


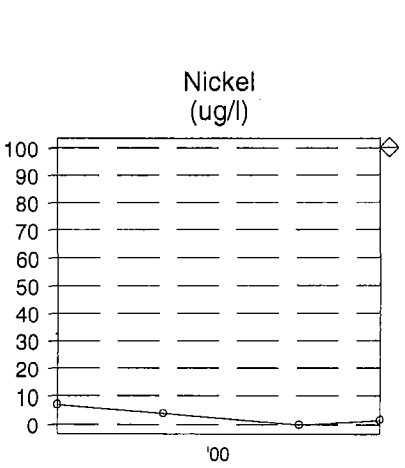












SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 11/03/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 4 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-27-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Potassium	Sodium	Zinc	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	NLE	50000	5000	-						-
02/24/2000	FMETL	6180	10500	146	6.99						V,S,P,M
05/16/2000	FMETL	6170	10500	14.9	6.80						V,S,P,M
09/01/2000	FMETL	5710	6540	81.5	6.90						V,S,P,M
11/03/2000	FMETL	5660	6150	58.0	6.86						V,S,P,M

SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 11/03/2000

NOTES:

Page 2 of 2.

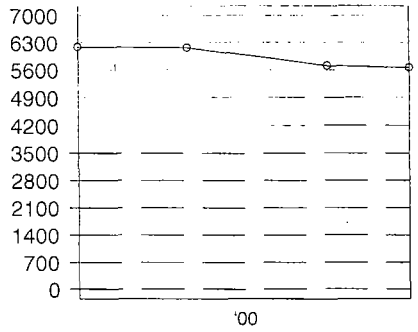
FORT MONMOUTH

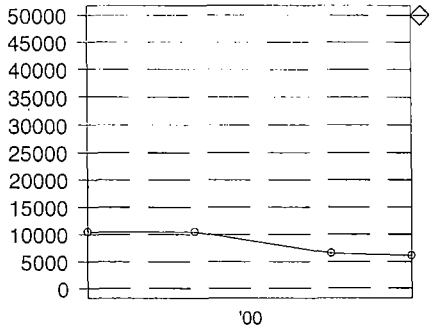
GW MONITORING
Bldg. M-14

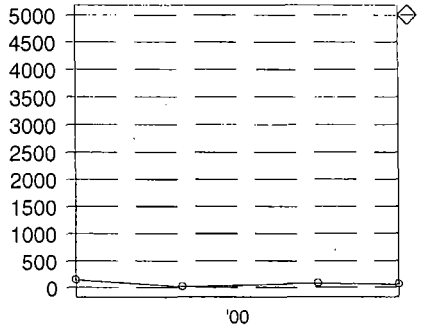
Source 4 of 6

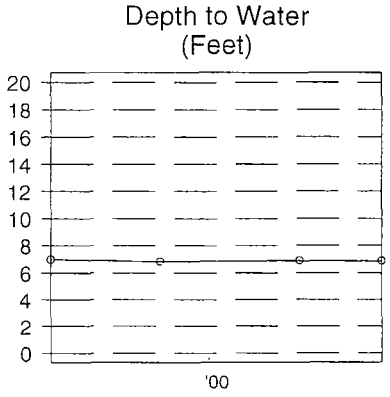
*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV









SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 11/03/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 4 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-27-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	4-Methyl phenol	Iron	Manganese	Aluminum	Antimony	Arsenic	Barium	Calcium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	NLE	300	50	200	20	8	2000	NLE	-
02/24/2000	FMETL	ND	ND	20000	395	251	69.7	3.17	76.3	57200	V,S,P,M
05/16/2000	FMETL	ND	ND	6300	159	691	ND	ND	ND	57900	V,S,P,M
05/16/2000D	FMETL	ND	ND	6100	156	624	ND	ND	0.957	57000	V,S,P,M
09/01/2000	FMETL	7.10	4.97	3310	15.7	73.7	ND	4.65	10.8	41500	V,S,P,M
11/03/2000	FMETL	ND	ND	4050	39.7	23.4	ND	2.71	15.7	41700	V,S,P,M

SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 11/03/2000

NOTES:

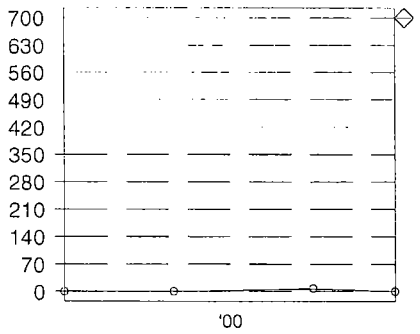
FORT MONMOUTH

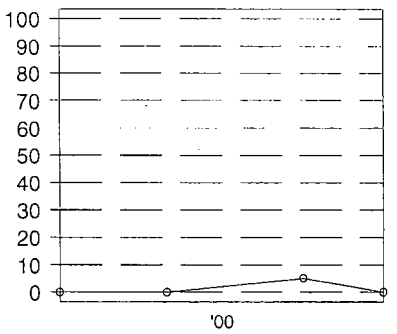
GW MONITORING
Bldg. M-14

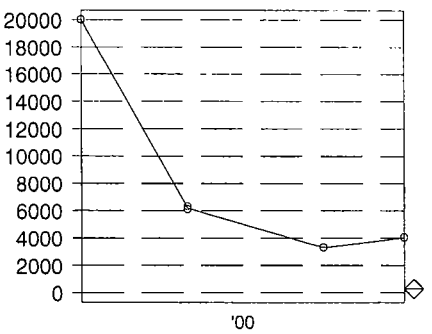
Source 5 of 6

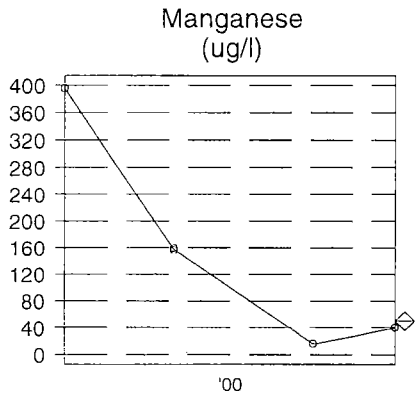
*Ag in blank > GW Criteria for 6/97 & 7/97.

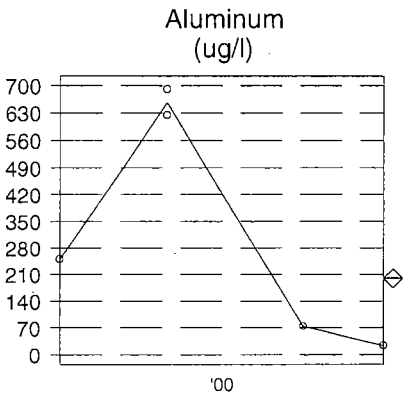
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

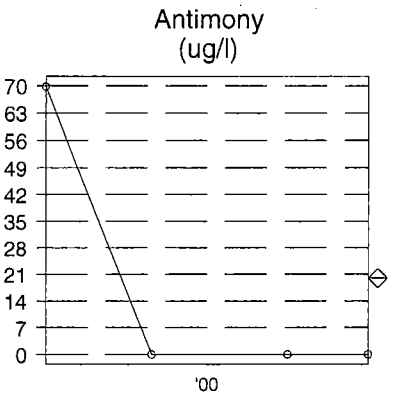


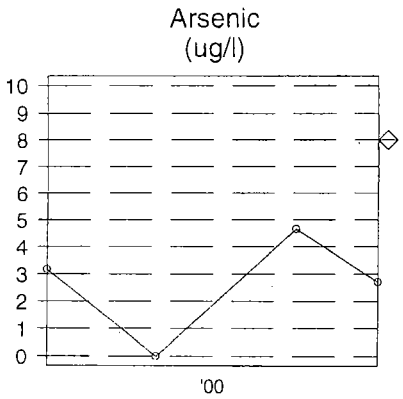


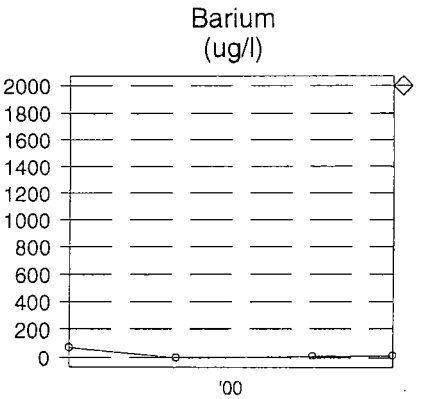


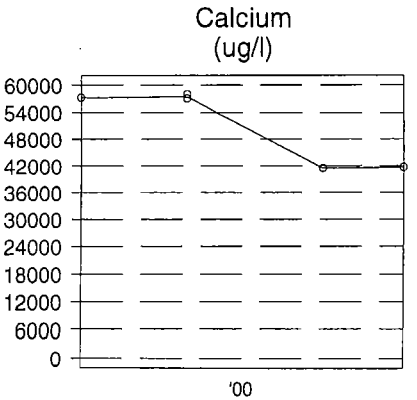












SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 11/03/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 5 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-27-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	NLE	100	NLE	50000	5000	-				-
02/24/2000	FMETL	25500	15800	7810	30800	413	7.40				V,S,P,M
05/16/2000	FMETL	4120	6.28	5870	5750	861	6.83				V,S,P,M
05/16/2000D	FMETL	3990	6.88	5800	5530	703	6.83				V,S,P,M
09/01/2000	FMETL	3880	ND	5350	6460	36.1	7.03				V,S,P,M
11/03/2000	FMETL	4510	ND	6280	8900	40.7	6.93				V,S,P,M

SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 11/03/2000

NOTES:

Page 2 of 2.

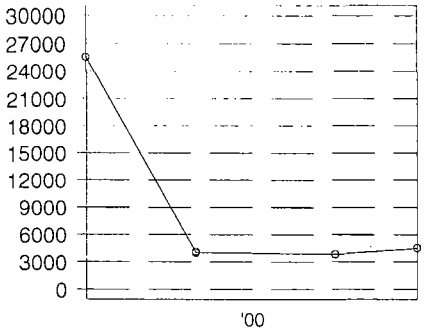
FORT MONMOUTH

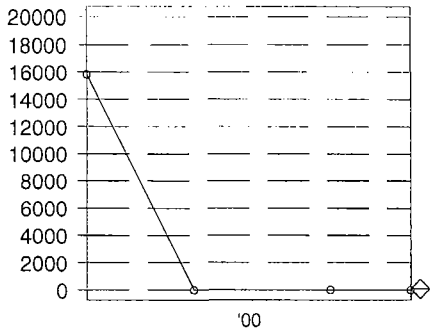
GW MONITORING
Bldg. M-14

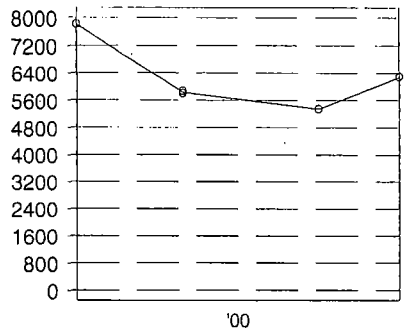
Source 5 of 6

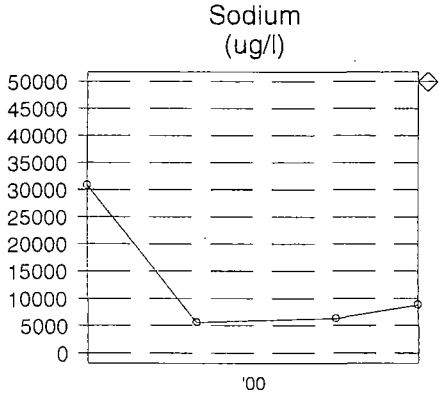
*Ag in blank > GW Criteria for 6/97 & 7/97.

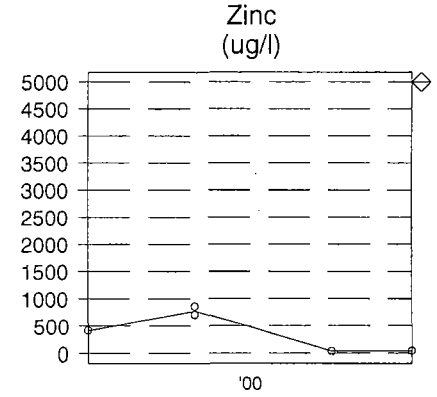
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

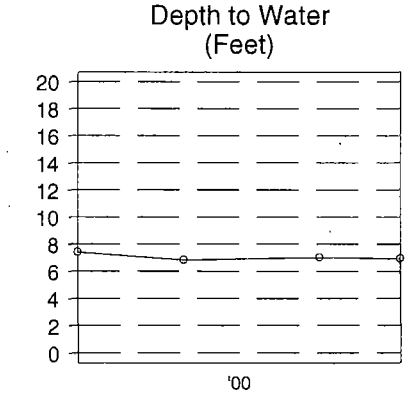












SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 11/03/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 5 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-27-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Phenanthrene	4-Methylphenol	Benzoic Acid	Iron	Manganese	Aluminum	Antimony	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	NLE	NLE	NLE	300	50	200	20	-
05/16/2000	FMETL	95.59	11.23	1.32	2.59	19.46	2720	71.3	626	ND	V,S,P,M
09/01/2000	FMETL	6.93	ND	ND	ND	ND	10700	186	1320	3.72	V,S,P,M
11/03/2000	FMETL	8.86	ND	ND	ND	ND	6280	194	239	ND	V,S,P,M
11/03/2000D	FMETL	10.59	ND	ND	ND	ND	6590	196	297	ND	V,S,P,M

SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 11/03/2000

NOTES:

Page 1 of 2.

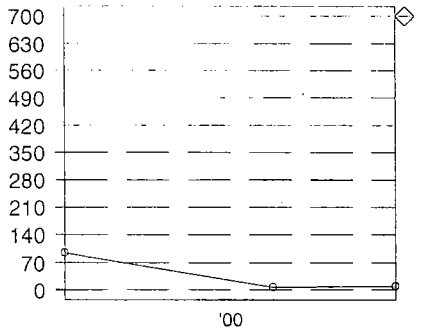
FORT MONMOUTH

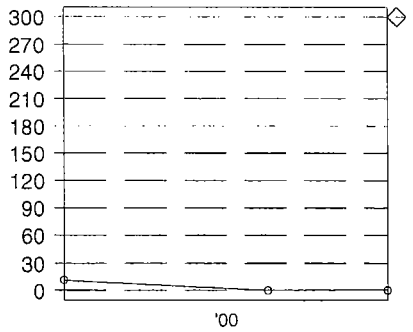
GW MONITORING
Bldg. M-14

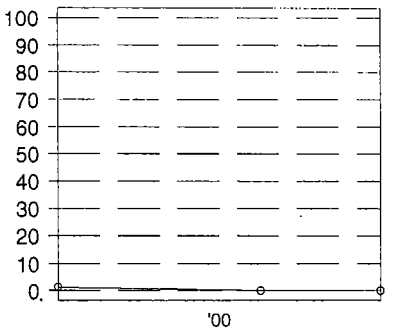
Source 6 of 6

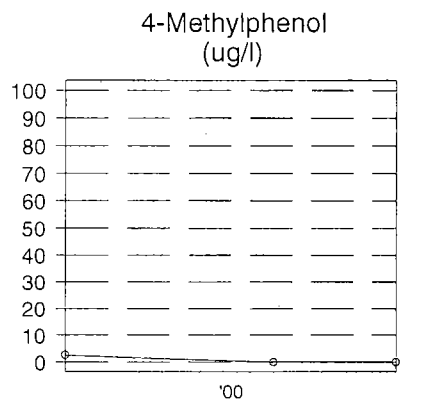
*Ag in blank > GW Criteria for 6/97 & 7/97.

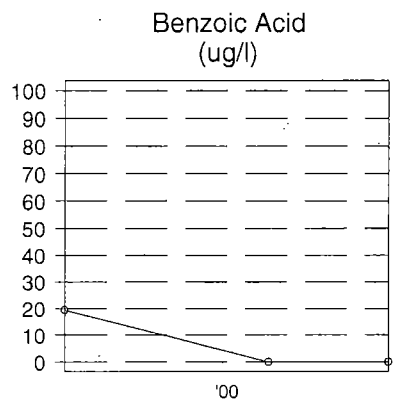
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

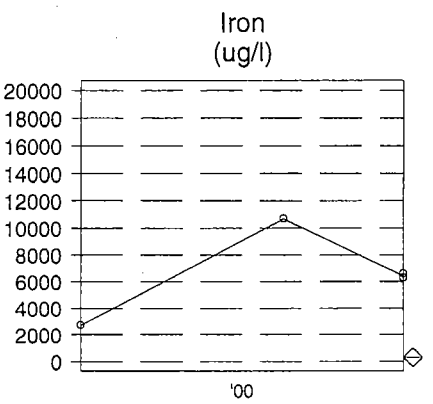


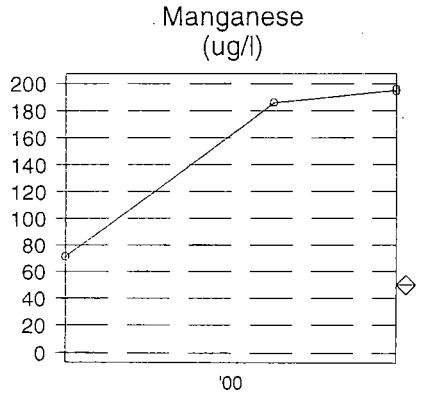


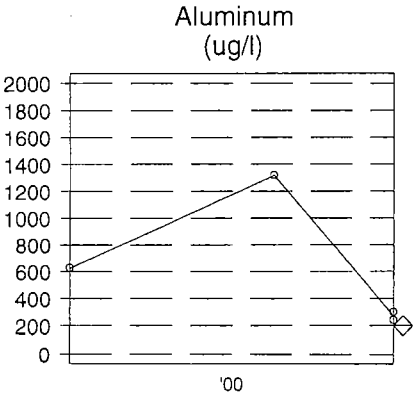


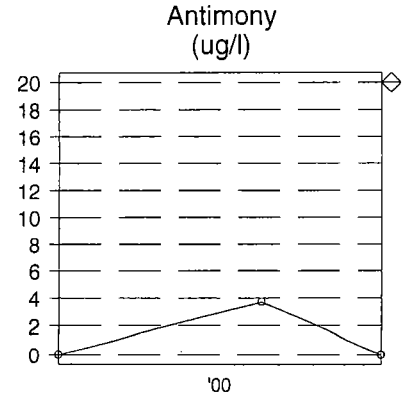












SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 11/03/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 6 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-27-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Arsenic	Barium	Calcium	Magnesium	Nickel	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:	-	8	2000	NLE	NLE	100	NLE	50000	5000	-	-
05/16/2000	FMETL	28.6	ND	119000	17700	9.43	12900	119000	14.5	7.61	V,S,P,M
09/01/2000	FMETL	24.5	30.7	143000	50900	2.00	28900	169000	50.9	7.57	V,S,P,M
11/03/2000	FMETL	17.8	30.5	153000	46500	ND	27400	148000	36.2	7.45	V,S,P,M
11/03/2000D	FMETL	18.3	31.3	153000	46100	2.26	27000	146000	56.6	7.45	V,S,P,M

SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 11/03/2000

NOTES:

Page 2 of 2.

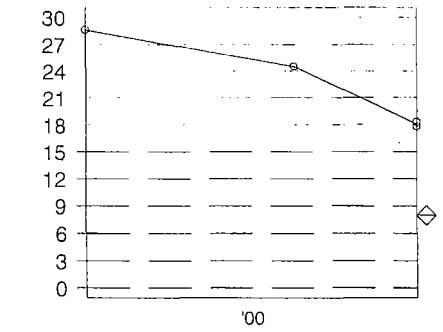
FORT MONMOUTH

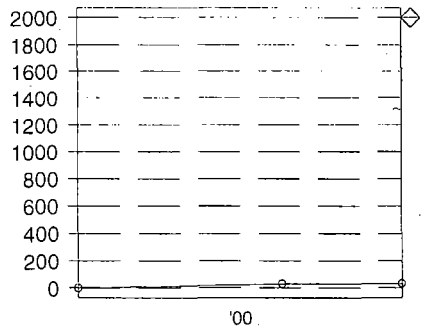
GW MONITORING
Bldg. M-14

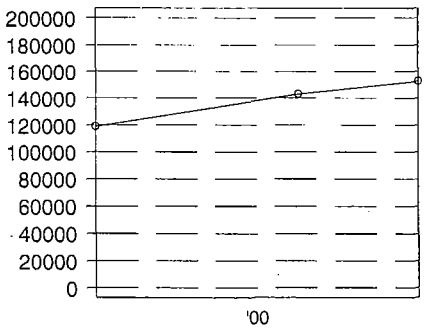
Source 6 of 6

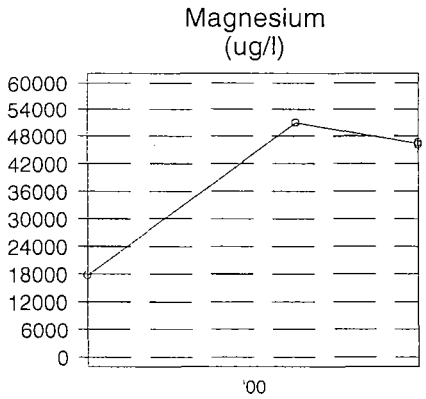
*Ag in blank > GW Criteria for 6/97 & 7/97.

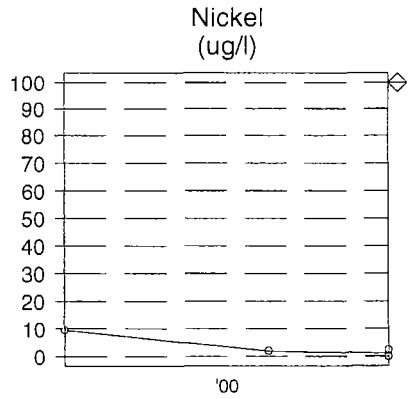
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

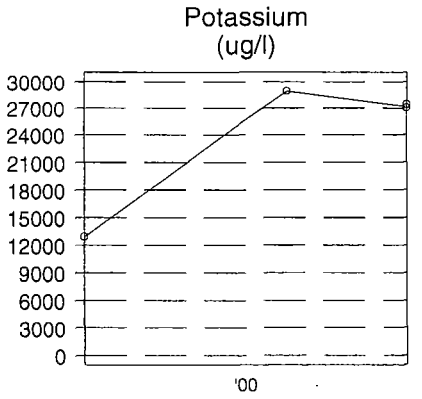


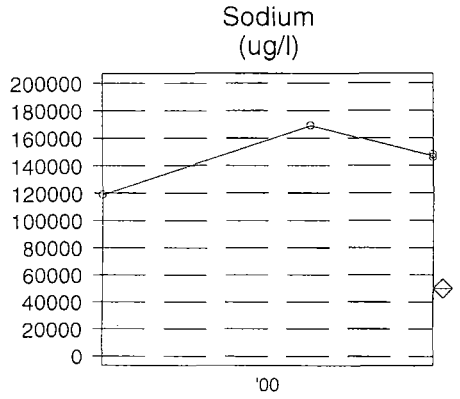


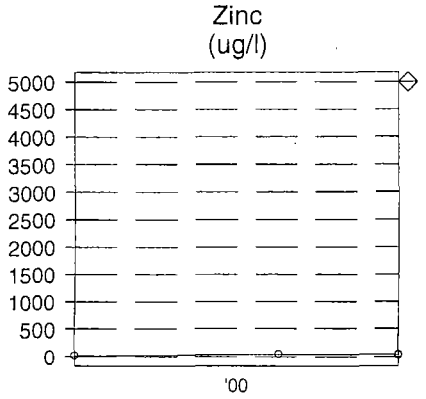


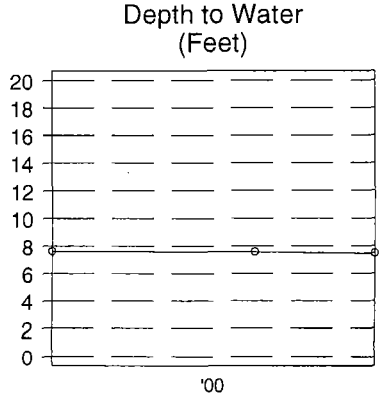












SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 11/03/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 6 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-27-2000 x:\mtech46\fm\m-14\gw\m-14.wsf

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
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-14

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
231	0M14MW19	29-32579	01/17/01
232	0M14MW20	29-32580	01/17/01
233	0M14MW21	29-32581	01/17/01
234	0M14MW22	29-41787	01/17/01
235	0M14MW23	29-41786	01/17/01
236	0M14MW24	29-41788	01/17/01

NJDEP Laboratory Certification # 13461

2-6-01
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

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: M14 wells 1st Qtr '01

Samplers Name / Company: Corey McCormack, TVS

Comments: HCL/HNO3/C4S

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOHs	TAL Metals	Pest / PCBs	BNA +35				Hex Chrom	Remarks / Preservation Method
228 .01	Trip	1/17/01	0735	AQ	2	✓							—	228
229 .02	Field Blank		0900		5	✓	✓	✓	✓				—	229
230 .03	Dupe		—		5	✓	✓	✓	✓				—	230
231 .04	M14 mw19		0948		5	✓	✓	✓	✓				0.0	29-32579 231
232 .05	M14 mw20		0953		5	✓	✓	✓	✓				0.0	29-32580 232
233 .06	M14 mw21		1330		5	✓	✓	✓	✓				0.0	29-32581 233
234 .07	M14 mw22		1024		5	✓	✓	✓	✓				0.0	29-41787 234
235 .08	M14 mw23 *		1031		5	✓	✓	✓	✓				0.0	29-41786 235
236 .09	M14 mw24		1326		5	✓	✓	✓	✓				0.0	29-41788 236
237	M14 mw24 MS				2	✓	✓	✓	✓					237
238	M14 mw24 MSD				2	✓	✓	✓	✓					238

Production

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	1/17/01 1430				
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

print legibly

Coc.xls12/19/00

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW19
NJDEP ID #: 29-32579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/17/01
WEATHER: Sunny, cold.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.68 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.12 ft
DEPTH OF WELL: 17.50 ft
DEPTH TO TOP OF SCREEN: 5.00 ft
HEIGHT OF WATER: 10.38 ft
(10.38) X .65 X 3 = 20.24
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:20
pH 7.71 su — TEMP 13.2 °C
DISSOLVED O2 5.51 ppm — SPECIFIC CONDUCTIVITY 200 us/cm

PURGE END TIME: 09:47
pH 7.76 su — TEMP 13.0 °C
DISSOLVED O2 5.10 ppm — SPECIFIC CONDUCTIVITY 201 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.27 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 09:48
pH 7.76 su — TEMP 12.9 °C
DISSOLVED O2 5.07 ppm — SPECIFIC CONDUCTIVITY 201 us/cm

SAMPLE END TIME: 09:52

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW20
NJDEP ID #: 29-32580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/17/01
WEATHER: Sunny, cold.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.29 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.83 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: 4.50 ft
HEIGHT OF WATER: 10.07 ft
(10.07) X .65 X 3 = 19.63
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:22
pH 7.70 su — TEMP 12.9 °C
DISSOLVED O2 5.59 ppm — SPECIFIC CONDUCTIVITY 177 us/cm

PURGE END TIME: 09:49
pH 7.75 su — TEMP 12.4 °C
DISSOLVED O2 5.07 ppm — SPECIFIC CONDUCTIVITY 165 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.08 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 09:53
pH 7.76 su — TEMP 12.3 °C
DISSOLVED O2 5.05 ppm — SPECIFIC CONDUCTIVITY 164 us/cm

SAMPLE END TIME: 09:59

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW21
NJDEP ID #: 29-32581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/17/01
WEATHER: Sunny, cold.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.57 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.10 ft
DEPTH OF WELL: 19.30 ft
DEPTH TO TOP OF SCREEN: 6.00 ft
HEIGHT OF WATER: 12.20 ft
(12.20) X .65 X 3 = 23.79
GALLONS OF H2O TO BE PURGED: 24 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:45
pH 7.67 su — TEMP 12.9 °C
DISSOLVED O2 5.61 ppm — SPECIFIC CONDUCTIVITY 207 us/cm

PURGE END TIME: 13:29
pH 7.74 su — TEMP 12.4 °C
DISSOLVED O2 5.17 ppm — SPECIFIC CONDUCTIVITY 200 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.81 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 24 gal

SAMPLE START TIME: 13:30
pH 7.74 su — TEMP 12.3 °C
DISSOLVED O2 5.16 ppm — SPECIFIC CONDUCTIVITY 199 us/cm

SAMPLE END TIME: 13:25

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW22
NJDEP ID #: 29-41787
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/17/01
WEATHER: Sunny, cold.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.95 ft
DEPTH OF WELL: 20.26 ft
DEPTH TO TOP OF SCREEN: 3.00 ft
HEIGHT OF WATER: 13.31 ft
(13.31) X .65 X 3 = 25.95
GALLONS OF H2O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:30
pH 7.70 su — TEMP 13.2 °C
DISSOLVED O2 5.77 ppm — SPECIFIC CONDUCTIVITY 187 us/cm

PURGE END TIME: 10:23
pH 7.73 su — TEMP 12.8 °C
DISSOLVED O2 5.11 ppm — SPECIFIC CONDUCTIVITY 191 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.14 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 10:24
pH 7.74 su — TEMP 12.7 °C
DISSOLVED O2 5.10 ppm — SPECIFIC CONDUCTIVITY 191 us/cm

SAMPLE END TIME: 10:29

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW23
NJDEP ID #: 29-41786
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/17/01
WEATHER: Sunny, cold.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.18 ft
DEPTH OF WELL: 21.10 ft
DEPTH TO TOP OF SCREEN: 3.00 ft
HEIGHT OF WATER: 13.92 ft
(13.92) X .65 X 3 = 27.14
GALLONS OF H2O TO BE PURGED: 27 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:33
pH 7.61 su — TEMP 13.1 °C
DISSOLVED O2 5.76 ppm — SPECIFIC CONDUCTIVITY 203 us/cm

PURGE END TIME: 10:30
pH 7.67 su — TEMP 12.8 °C
DISSOLVED O2 4.73 ppm — SPECIFIC CONDUCTIVITY 197 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.41 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 27 gal

SAMPLE START TIME: 10:31
pH 7.66 su — TEMP 12.7 °C
DISSOLVED O2 4.71 ppm — SPECIFIC CONDUCTIVITY 197 us/cm

SAMPLE END TIME: 10:37

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-14
MW#: 0M14MW24
NJDEP ID #: 29-41788
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/17/01
WEATHER: Sunny, cold.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.68 ft
DEPTH OF WELL: 18.85 ft
DEPTH TO TOP OF SCREEN: 3.00 ft
HEIGHT OF WATER: 11.17 ft
(11.17) X .65 X 3 = 21.78
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:50
pH 7.43 su
TEMP 12.4 °C
DISSOLVED O2 4.93 ppm
SPECIFIC CONDUCTIVITY 107 us/cm

PURGE END TIME: 13:25
pH 7.41 su
TEMP 12.1 °C
DISSOLVED O2 3.97 ppm
SPECIFIC CONDUCTIVITY 91 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.18 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 13:26
pH 7.41 su
TEMP 12.2 °C
DISSOLVED O2 3.96 ppm
SPECIFIC CONDUCTIVITY 92 us/cm

SAMPLE END TIME: 13:30

COMMENTS: MS/MSD here.

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	**VC004743.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**19-Jan-01**	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	
156594	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

2/2/01 9:15 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 010119**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 228-236 Location: M14 SDG No.:

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

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004743.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: not dec. Date Analyzed: 1/19/01

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	**VC004782.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**23-Jan-01**	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	
156594	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

2/2/01 9:15 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 010123**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 228-236 Location: M14 SDG No.:

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

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004782.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: not dec. Date Analyzed: 1/23/01

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	**VC004755.D**	Sample Name	**228**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**20-Jan-01**	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	11.16	115070	2.28 ug/L	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	
156594	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

2/2/01 9:15 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 228-236 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 228

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004755.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: not dec. Date Analyzed: 1/20/01

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	**VC004756.D**	Sample Name	**229**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**20-Jan-01**	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	11.18	111021	2.20 ug/L	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	
156594	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

2/2/01 9:15 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 228-236 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 229

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004756.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: not dec. Date Analyzed: 1/20/01

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	**VC004757.D**	Sample Name	**230**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**20-Jan-01**	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	
156594	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

2/2/01 9:16 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 228-236 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 230

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004757.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: not dec. Date Analyzed: 1/20/01

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	**VC004758.D**	Sample Name	**231**
Operator	**Skelton**	Field ID	**M14MW19**
Date Aquired	**20-Jan-01**	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	
156594	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

2/2/01 9:16 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M14MW19**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 228-236 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 231

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004758.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: not dec. Date Analyzed: 1/20/01

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	**VC004759.D**	Sample Name	**232**
Operator	**Skelton**	Field ID	**M14MW20**
Date Aquired	**20-Jan-01**	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	
156594	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

2/2/01 9:16 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M14MW20**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 228-236 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 232

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004759.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: not dec. Date Analyzed: 1/20/01

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	**VC004760.D**	Sample Name	**233**
Operator	**Skelton**	Field ID	**M14MW21**
Date Aquired	**20-Jan-01**	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	
156594	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

2/2/01 9:16 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M14MW21**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 228-236 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 233

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004760.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: not dec. Date Analyzed: 1/20/01

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	**VC004761.D**	Sample Name	**234**
Operator	**Skelton**	Field ID	**M14MW22**
Date Aquired	**20-Jan-01**	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	
156594	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	27.34	240378	2.23 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

2/2/01 9:16 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M14MW22**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 228-236 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 234

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004761.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: not dec. Date Analyzed: 1/20/01

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	**VC004762.D**	Sample Name	**235**
Operator	**Skelton**	Field ID	**M14MW23**
Date Aquired	**20-Jan-01**	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	
156594	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

2/2/01 9:16 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M14MW23**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 228-236 Location: M14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 235

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004762.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: not dec. _____ Date Analyzed: 1/20/01

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	**VC004763.D**	Sample Name	**236**
Operator	**Skelton**	Field ID	**M14MW24**
Date Aquired	**20-Jan-01**	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	8.84	3373981	111.07 ug/L	700	1.36 ug/L	E
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	
156594	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

2/2/01 9:16 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

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

Data File	**VC004784.D**	Sample Name	**236**
Operator	**Skelton**	Field ID	**M14MW24**
Date Aquired	**23-Jan-01**	Multiplier	**10**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	18.50 ug/L	
107131	Acrylonitrile			not detected	50	27.80 ug/L	
75650	tert-Butyl alcohol			not detected	nle	85.20 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	1.60 ug/L	
108203	Di-isopropyl ether			not detected	nle	2.50 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	16.80 ug/L	
74-87-3	Chloromethane			not detected	30	11.60 ug/L	
75-01-4	Vinyl Chloride			not detected	5	10.60 ug/L	
74-83-9	Bromomethane			not detected	10	11.00 ug/L	
75-00-3	Chloroethane			not detected	nle	10.10 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	5.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	2.40 ug/L	
67-64-1	Acetone	8.87	586269	137.26 ug/L	700	13.60 ug/L	D
75-15-0	Carbon Disulfide			not detected	nle	4.60 ug/L	
75-09-2	Methylene Chloride			not detected	2	2.40 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.60 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	1.20 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	7.80 ug/L	
78-93-3	2-Butanone			not detected	300	6.20 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	1.70 ug/L	
67-66-3	Chloroform			not detected	6	3.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	2.30 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	4.70 ug/L	
71-43-2	Benzene			not detected	1	2.30 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.80 ug/L	
79-01-6	Trichloroethene			not detected	1	2.30 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	4.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	5.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	6.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	6.90 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	5.90 ug/L	
108-88-3	Toluene			not detected	1000	3.70 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	8.70 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	4.80 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	
591-78-6	2-Hexanone			not detected	nle	7.10 ug/L	
126-48-1	Dibromochloromethane			not detected	10	8.60 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.90 ug/L	
100-41-4	Ethylbenzene			not detected	700	6.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	11.40 ug/L	
1330-20-7	o-Xylene			not detected	nle	6.20 ug/L	
100-42-5	Styrene			not detected	100	5.60 ug/L	
75-25-2	Bromoform			not detected	4	7.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	4.70 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	5.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	5.70 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	6.40 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

2/2/01 9:15 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **M14MW24**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 228-236 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 236

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004763.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: not dec. Date Analyzed: 1/20/01

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

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04874.D**	Sample Name	**MB-284**
Operator	**Bhaskar**	Misc Info	**MB-010122**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04874.D**	Sample Name	**MB-284**
Operator	**Bhaskar**	Misc Info	**MB-010122**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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-284**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 229-238 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB-284

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04874.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: decanted: (Y/N) N Date Extracted: 1/22/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/25/01

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	7.11	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04876.D**	Sample Name	**229**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04876.D**	Sample Name	**229**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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.: 229-238 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 229

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04876.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: decanted: (Y/N) N Date Extracted: 1/22/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/25/01

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	7.11	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04877.D**	Sample Name	**230**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04877.D**	Sample Name	**230**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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.: 229-238 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 230

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04877.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: decanted: (Y/N) N Date Extracted: 1/22/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/25/01

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	7.11	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04878.D**	Sample Name	**231**
Operator	**Bhaskar**	Misc Info	**M14MW19**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04878.D**	Sample Name	**231**
Operator	**Bhaskar**	Misc Info	**M14MW19**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW19**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 229-238 Location: M14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 231

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04878.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/22/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/25/01

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	7.10	16	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04879.D**	Sample Name	**232**
Operator	**Bhaskar**	Misc Info	**M14MW20**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04879.D**	Sample Name	**232**
Operator	**Bhaskar**	Misc Info	**M14MW20**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW20**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 229-238 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 232

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04879.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: decanted: (Y/N) N Date Extracted: 1/22/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/25/01

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	7.11	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04880.D**	Sample Name	**233**
Operator	**Bhaskar**	Misc Info	**M14MW21**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04880.D**	Sample Name	**233**
Operator	**Bhaskar**	Misc Info	**M14MW21**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW21**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 229-238 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 233

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04880.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: decanted: (Y/N) N Date Extracted: 1/22/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/25/01

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	7.11	13	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04881.D**	Sample Name	**234**
Operator	**Bhaskar**	Misc Info	**M14MW22**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04881.D**	Sample Name	**234**
Operator	**Bhaskar**	Misc Info	**M14MW22**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW22**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 229-238 Location: M14 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 234

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04881.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/22/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/25/01

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	7.11	14	J
2.	unknown	29.10	5	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04882.D**	Sample Name	**235**
Operator	**Bhaskar**	Misc Info	**M14MW23**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04882.D**	Sample Name	**235**
Operator	**Bhaskar**	Misc Info	**M14MW23**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW23**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 229-238 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 235

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04882.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: decanted: (Y/N) N Date Extracted: 1/22/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/25/01

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	7.11	11	J
2. 000109-29-5	Oxacycloheptadecan-2-one	22.56	6	JN
3. 000057-10-3	Hexadecanoic acid	22.74	9	JN
4. 000112-80-1	Oleic Acid	24.48	4	JN
5. 000057-88-5	Cholesterol	33.11	5	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04883.D**	Sample Name	**236**
Operator	**Bhaskar**	Misc Info	**M14MW24**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04883.D**	Sample Name	**236**
Operator	**Bhaskar**	Misc Info	**M14MW24**
Date Acquired	**25-Jan-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	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: **M14MW24**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 229-238 Location: M14 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 236

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04883.D

Level: (low/med) LOW Date Received: 1/17/01

% Moisture: decanted: (Y/N) N Date Extracted: 1/22/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/25/01

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	7.11	12	J
2. 000109-29-5	Oxacycloheptadecan-2-one	22.55	8	JN
3. 000057-10-3	Hexadecanoic acid	22.74	11	JN
4. 000112-80-1	Oleic Acid	24.49	12	JN
5. 017351-34-7	14-Pentadecenoic acid	24.52	7	JN
6. 000057-11-4	Octadecanoic acid	24.67	8	JN

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

Client :	U.S. Army	**Lab. ID # :**	MB-276
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	1/19/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/22/01
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	229
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/17/01
	Bldg. 173	**Extraction Date:**	1/19/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/23/01
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	**1**		0.02	0.0011	**ND**
beta-BHC	**1**		0.20	0.0050	**ND**
gamma-BHC	**1**		0.20	0.0013	**ND**
delta-BHC	**1**		NLE	0.0016	**ND**
Heptachlor	**1**		0.40	0.0035	**ND**
Aldrin	**1**		0.04	0.0026	**ND**
Heptachlor Epoxide	**1**		0.20	0.0020	**ND**
Endosulfan I	**1**		0.40	0.0016	**ND**
4,4'-DDE	**1**		0.10	0.0021	**ND**
Dieldrin	**1**		0.03	0.0020	**ND**
Endrin	**1**		2.00	0.0032	**ND**
Endrin Ketone	**1**		NLE	0.0026	**ND**
Endosulfan II	**1**		0.40	0.0022	**ND**
4,4'-DDD	**1**		0.10	0.0020	**ND**
4,4'-DDT	**1**		0.10	0.0052	**ND**
Endosulfan-Sulfate	**1**		0.40	0.0026	**ND**
Alpha-chlordane	**1**		0.50	0.0036	**ND**
Gamma-chlordane	**1**		0.50	0.0007	**ND**
Toxaphene	**1**		3.00	0.1517	**ND**
Arochlor 1016	**1**		0.50	0.0683	**ND**
Arochlor 1221	**1**		0.50	0.0666	**ND**
Arochlor 1232	**1**		0.50	0.0648	**ND**
Arochlor 1242	**1**		0.50	0.0485	**ND**
Arochlor 1248	**1**		0.50	0.0544	**ND**
Arochlor 1254	**1**		0.50	0.0608	**ND**
Arochlor 1260	**1**		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	230
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/17/01
	Bldg. 173	**Extraction Date:**	1/19/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/23/01
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Dupe
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	231
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/17/01
	Bldg. 173	**Extraction Date:**	1/19/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/23/01
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	232
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/17/01
	Bldg. 173	**Extraction Date:**	1/19/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/23/01
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	233
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/17/01
	Bldg. 173	**Extraction Date:**	1/19/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/23/01
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	NM14MW21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	234
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/17/01
	Bldg. 173	**Extraction Date:**	1/19/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/23/01
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW22
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	235
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/17/01
	Bldg. 173	**Extraction Date:**	1/19/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/23/01
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW23
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	236
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/17/01
	Bldg. 173	**Extraction Date:**	1/19/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/23/01
Analysis:	EPA Method 608	**Location :**	M14 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M14MW24
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1	16.90	0.10	0.0021	**0.012**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1	18.82	0.10	0.0020	**0.030**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

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

Lab ID #: 229-236
Sample Prepared: 01/23/01

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/24/01	ND	200	10.0
Antimony	01/24/01	ND	20	2.0
Arsenic	01/24/01	ND	8	2.0
Barium	01/24/01	ND	2000	0.5
Beryllium	01/24/01	ND	20	0.5
Cadmium	01/24/01	ND	4	0.5
Calcium	01/24/01	ND	NLE	20.0
Chromium	01/24/01	ND	100	0.5
Cobalt	01/24/01	ND	NLE	0.5
Copper	01/24/01	ND	1000	3.0
Iron	01/24/01	ND	300	10.0
Lead	01/24/01	ND	10	2.0
Magnesium	01/24/01	ND	NLE	20.0
Manganese	01/24/01	ND	50	0.5
Mercury	01/24/01	ND	2	0.1
Nickel	01/24/01	ND	100	0.5
Potassium	01/24/01	ND	NLE	20.0
Selenium	01/24/01	ND	50	3.0
Silver	01/24/01	ND	20	3.0
Sodium	01/24/01	ND	50000	20.0
Thallium	01/24/01	ND	10	3.0
Vanadium	01/24/01	ND	NLE	1.0
Zinc	01/24/01	ND	5000	1.0

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 #: 229
Sample Received: 01/17/01
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/24/01	ND	200	10.0
Antimony	01/24/01	ND	20	2.0
Arsenic	01/24/01	ND	8	2.0
Barium	01/24/01	ND	2000	0.5
Beryllium	01/24/01	ND	20	0.5
Cadmium	01/24/01	ND	4	0.5
Calcium	01/24/01	ND	NLE	20.0
Chromium	01/24/01	ND	100	0.5
Cobalt	01/24/01	ND	NLE	0.5
Copper	01/24/01	ND	1000	3.0
Iron	01/24/01	ND	300	10.0
Lead	01/24/01	ND	10	2.0
Magnesium	01/24/01	87.4	NLE	20.0
Manganese	01/24/01	ND	50	0.5
Mercury	01/24/01	ND	2	0.1
Nickel	01/24/01	ND	100	0.5
Potassium	01/24/01	ND	NLE	20.0
Selenium	01/24/01	ND	50	3.0
Silver	01/24/01	ND	20	3.0
Sodium	01/24/01	ND	50000	20.0
Thallium	01/24/01	ND	10	3.0
Vanadium	01/24/01	ND	NLE	1.0
Zinc	01/24/01	ND	5000	1.0

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 #: 230
Sample Received: 01/17/01
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: Dupe

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/24/01	158	200	10.0
Antimony	01/24/01	4.44	20	2.0
Arsenic	01/24/01	ND	8	2.0
Barium	01/24/01	37.9	2000	0.5
Beryllium	01/24/01	ND	20	0.5
Cadmium	01/24/01	ND	4	0.5
Calcium	01/24/01	43900	NLE	20.0
Chromium	01/24/01	2.33	100	0.5
Cobalt	01/24/01	1.86	NLE	0.5
Copper	01/24/01	ND	1000	3.0
Iron	01/24/01	1640	300	10.0
Lead	01/24/01	ND	10	2.0
Magnesium	01/24/01	5370	NLE	20.0
Manganese	01/24/01	96.7	50	0.5
Mercury	01/24/01	ND	2	0.1
Nickel	01/24/01	ND	100	0.5
Potassium	01/24/01	7480	NLE	20.0
Selenium	01/24/01	ND	50	3.0
Silver	01/24/01	ND	20	3.0
Sodium	01/24/01	13500	50000	20.0
Thallium	01/24/01	ND	10	3.0
Vanadium	01/24/01	0.886	NLE	1.0
Zinc	01/24/01	25.5	5000	1.0

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 #: 231
Sample Received: 01/17/01
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW19

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/24/01	ND	200	10.0
Antimony	01/24/01	ND	20	2.0
Arsenic	01/24/01	ND	8	2.0
Barium	01/24/01	29.3	2000	0.5
Beryllium	01/24/01	ND	20	0.5
Cadmium	01/24/01	ND	4	0.5
Calcium	01/24/01	18800	NLE	20.0
Chromium	01/24/01	ND	100	0.5
Cobalt	01/24/01	ND	NLE	0.5
Copper	01/24/01	ND	1000	3.0
Iron	01/24/01	27200	300	10.0
Lead	01/24/01	ND	10	2.0
Magnesium	01/24/01	2470	NLE	20.0
Manganese	01/24/01	103	50	0.5
Mercury	01/24/01	ND	2	0.1
Nickel	01/24/01	ND	100	0.5
Potassium	01/24/01	6180	NLE	20.0
Selenium	01/24/01	ND	50	3.0
Silver	01/24/01	ND	20	3.0
Sodium	01/24/01	5440	50000	20.0
Thallium	01/24/01	ND	10	3.0
Vanadium	01/24/01	ND	NLE	1.0
Zinc	01/24/01	9.78	5000	1.0

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 #: 232
Sample Received: 01/17/01
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW20

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/24/01	ND	200	10.0
Antimony	01/24/01	ND	20	2.0
Arsenic	01/24/01	11.8	8	2.0
Barium	01/24/01	61.7	2000	0.5
Beryllium	01/24/01	ND	20	0.5
Cadmium	01/24/01	ND	4	0.5
Calcium	01/24/01	63400	NLE	20.0
Chromium	01/24/01	0.737	100	0.5
Cobalt	01/24/01	0.651	NLE	0.5
Copper	01/24/01	ND	1000	3.0
Iron	01/24/01	15800	300	10.0
Lead	01/24/01	ND	10	2.0
Magnesium	01/24/01	5220	NLE	20.0
Manganese	01/24/01	234	50	0.5
Mercury	01/24/01	ND	2	0.1
Nickel	01/24/01	1.56	100	0.5
Potassium	01/24/01	7920	NLE	20.0
Selenium	01/24/01	ND	50	3.0
Silver	01/24/01	ND	20	3.0
Sodium	01/24/01	10900	50000	20.0
Thallium	01/24/01	ND	10	3.0
Vanadium	01/24/01	ND	NLE	1.0
Zinc	01/24/01	46.3	5000	1.0

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 #: 233
Sample Received: 01/17/01
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW21

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/24/01	145	200	10.0
Antimony	01/24/01	ND	20	2.0
Arsenic	01/24/01	ND	8	2.0
Barium	01/24/01	36.7	2000	0.5
Beryllium	01/24/01	ND	20	0.5
Cadmium	01/24/01	ND	4	0.5
Calcium	01/24/01	41300	NLE	20.0
Chromium	01/24/01	0.644	100	0.5
Cobalt	01/24/01	1.90	NLE	0.5
Copper	01/24/01	ND	1000	3.0
Iron	01/24/01	1780	300	10.0
Lead	01/24/01	ND	10	2.0
Magnesium	01/24/01	5030	NLE	20.0
Manganese	01/24/01	93.4	50	0.5
Mercury	01/24/01	ND	2	0.1
Nickel	01/24/01	ND	100	0.5
Potassium	01/24/01	6940	NLE	20.0
Selenium	01/24/01	ND	50	3.0
Silver	01/24/01	ND	20	3.0
Sodium	01/24/01	12000	50000	20.0
Thallium	01/24/01	ND	10	3.0
Vanadium	01/24/01	ND	NLE	1.0
Zinc	01/24/01	6.74	5000	1.0

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 #: 234
Sample Received: 01/17/01
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW22

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/24/01	127	200	10.0
Antimony	01/24/01	ND	20	2.0
Arsenic	01/24/01	ND	8	2.0
Barium	01/24/01	42.1	2000	0.5
Beryllium	01/24/01	ND	20	0.5
Cadmium	01/24/01	ND	4	0.5
Calcium	01/24/01	57700	NLE	20.0
Chromium	01/24/01	2.19	100	0.5
Cobalt	01/24/01	ND	NLE	0.5
Copper	01/24/01	ND	1000	3.0
Iron	01/24/01	8850	300	10.0
Lead	01/24/01	ND	10	2.0
Magnesium	01/24/01	4300	NLE	20.0
Manganese	01/24/01	101	50	0.5
Mercury	01/24/01	ND	2	0.1
Nickel	01/24/01	ND	100	0.5
Potassium	01/24/01	5890	NLE	20.0
Selenium	01/24/01	ND	50	3.0
Silver	01/24/01	ND	20	3.0
Sodium	01/24/01	5510	50000	20.0
Thallium	01/24/01	ND	10	3.0
Vanadium	01/24/01	ND	NLE	1.0
Zinc	01/24/01	50.5	5000	1.0

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 #: 235
Sample Received: 01/17/01
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW23

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/24/01	ND	200	10.0
Antimony	01/24/01	ND	20	2.0
Arsenic	01/24/01	3.71	8	2.0
Barium	01/24/01	89.9	2000	0.5
Beryllium	01/24/01	ND	20	0.5
Cadmium	01/24/01	ND	4	0.5
Calcium	01/24/01	52300	NLE	20.0
Chromium	01/24/01	ND	100	0.5
Cobalt	01/24/01	ND	NLE	0.5
Copper	01/24/01	ND	1000	3.0
Iron	01/24/01	16400	300	10.0
Lead	01/24/01	ND	10	2.0
Magnesium	01/24/01	7980	NLE	20.0
Manganese	01/24/01	244	50	0.5
Mercury	01/24/01	ND	2	0.1
Nickel	01/24/01	ND	100	0.5
Potassium	01/24/01	6970	NLE	20.0
Selenium	01/24/01	ND	50	3.0
Silver	01/24/01	ND	20	3.0
Sodium	01/24/01	25700	50000	20.0
Thallium	01/24/01	ND	10	3.0
Vanadium	01/24/01	ND	NLE	1.0
Zinc	01/24/01	ND	5000	1.0

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 #: 236
Sample Received: 01/17/01
Sample Matrix: Aqueous

Site: M-14
Ft. Monmouth, New Jersey

Field ID#: 0M14MW24

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/24/01	ND	200	10.0
Antimony	01/24/01	ND	20	2.0
Arsenic	01/24/01	16.0	8	2.0
Barium	01/24/01	32.9	2000	0.5
Beryllium	01/24/01	ND	20	0.5
Cadmium	01/24/01	ND	4	0.5
Calcium	01/24/01	210000	NLE	20.0
Chromium	01/24/01	4.00	100	0.5
Cobalt	01/24/01	ND	NLE	0.5
Copper	01/24/01	ND	1000	3.0
Iron	01/24/01	4110	300	10.0
Lead	01/24/01	ND	10	2.0
Magnesium	01/24/01	40600	NLE	20.0
Manganese	01/24/01	179	50	0.5
Mercury	01/24/01	ND	2	0.1
Nickel	01/24/01	ND	100	0.5
Potassium	01/24/01	18300	NLE	20.0
Selenium	01/24/01	4.37	50	3.0
Silver	01/24/01	ND	20	3.0
Sodium	01/24/01	125000	50000	20.0
Thallium	01/24/01	ND	10	3.0
Vanadium	01/24/01	0.884	NLE	1.0
Zinc	01/24/01	24.4	5000	1.0

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

	Laboratory	Acetone	2-Butanone	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	900	300	50	20	200	20	8	-
06/12/1997	FMETL	ND	ND	2.06	27000	57	33	-	-	-	V,S,P,M
07/03/1997	FMETL	ND	ND	1.04	30300	290	27	124.1	ND	2	V,S,P,M
11/07/1997	FMETL	ND	ND	1.60	11600	136	ND	110	ND	ND	V,S,P,M
02/23/1998	FMETL	ND	ND	7.20	50590	119	ND	76	ND	ND	V,S,P,M
05/07/1998	FMETL	ND	ND	ND	48050	172	ND	34.5	ND	2.6	V,S,P,M
08/06/1998	FMETL	5.25	4.38	ND	19900	219	ND	117	2.27	ND	V,S,P,M
11/03/1998	FMETL	ND	ND	ND	14700	100	ND	25.4	3.23	ND	V,S,P,M
01/29/1999	FMETL	ND	ND	ND	41400	654	ND	ND	ND	ND	V,S,P,M
05/25/1999	FMETL	ND	ND	ND	40400	314	ND	154	ND	ND	V,S,P,M
07/23/1999	FMETL	ND	ND	ND	13700	89.7	ND	74.8	ND	ND	V,S,P,M
10/14/1999	FMETL	ND	ND	ND	17400	147	ND	160	6.92	ND	V,S,P,M
02/24/2000	FMETL	ND	ND	ND	24900	105	ND	ND	ND	ND	V,S,P,M
02/24/2000D	FMETL	ND	ND	ND	22300	102	ND	ND	ND	ND	V,S,P,M
05/16/2000	FMETL	ND	ND	ND	20500	79.2	ND	64.4	ND	ND	V,S,P,M
09/01/2000	FMETL	ND	ND	ND	15700	102	4.48	138	ND	ND	V,S,P,M
11/03/2000	FMETL	5.33	ND	ND	15200	123	ND	36.9	ND	ND	V,S,P,M
01/17/2001	FMETL	ND	ND	ND	27200	103	ND	ND	ND	ND	V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 01/17/2001

NOTES:

Page 1 of 2.

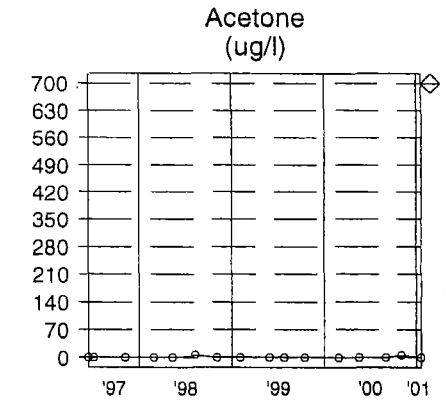
FORT MONMOUTH

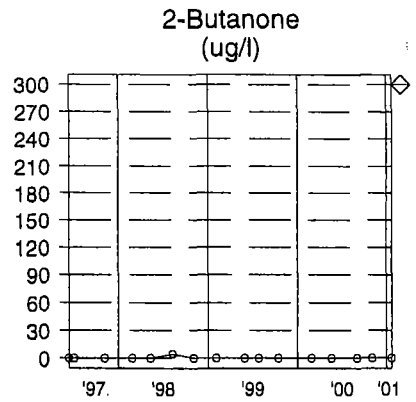
GW MONITORING
Bldg. M-14

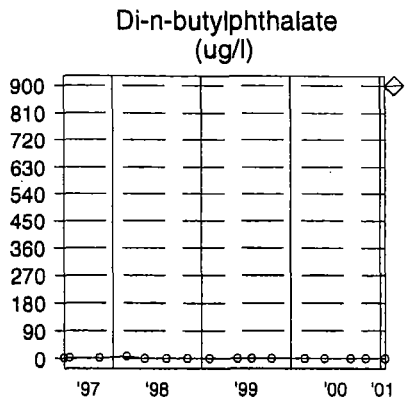
Source 1 of 6

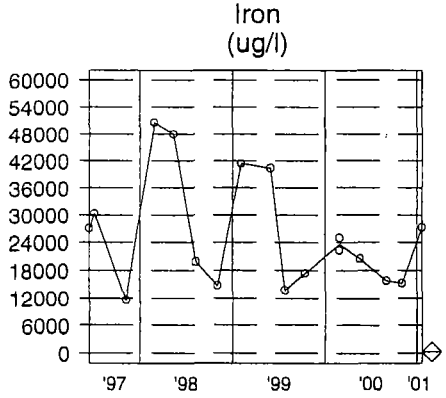
*Ag in blank > GW Criteria for 6/97 & 7/97.

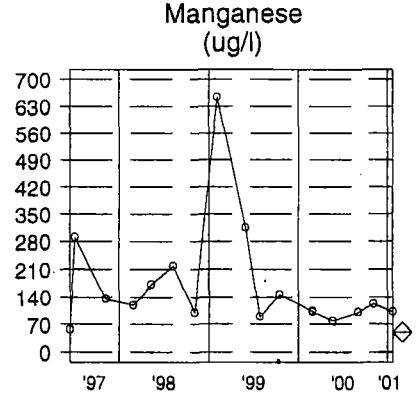
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

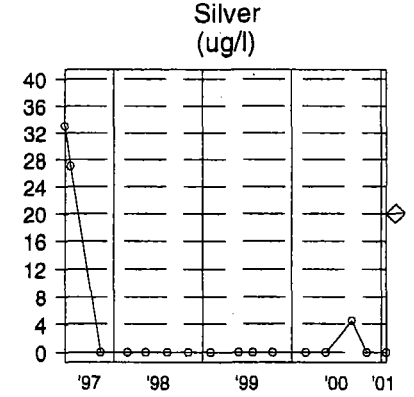


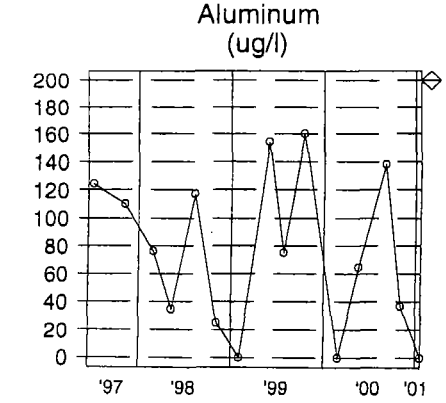


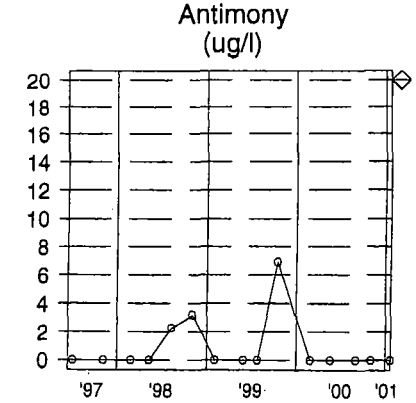


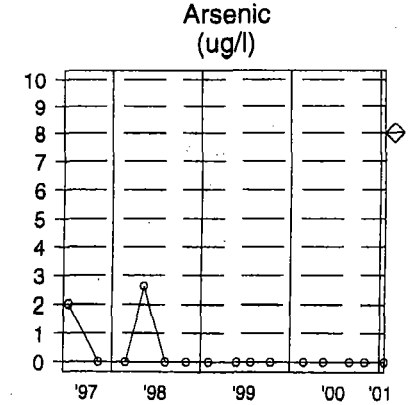












SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 01/17/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 1 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-07-2001 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	2000	NLE	NLE	100	NLE	50000	5000	-		-
06/12/1997	FMETL	-	-	-	-	-	-	-	6.90		V,S,P,M
07/03/1997	FMETL	70.8	27810	4280	ND	5340	8320	21	7.20		V,S,P,M
11/07/1997	FMETL	17.4	18930	2320	ND	5660	6580	67	7.35		V,S,P,M
02/23/1998	FMETL	46.2	20450	2420	1.2	6400	5940	21	6.40		V,S,P,M
05/07/1998	FMETL	51.1	25500	2956	1.2	8018	7202	23.9	6.51		V,S,P,M
08/06/1998	FMETL	337	29100	3200	ND	14800	9130	61.3	7.84		V,S,P,M
11/03/1998	FMETL	13.8	19100	2530	5.69	28700	5360	72.6	8.01		V,S,P,M
01/29/1999	FMETL	35.8	40900	4550	20.6	6380	7810	664	6.43		V,S,P,M
05/25/1999	FMETL	59.2	28800	3470	0.931	7310	9220	4.98	7.31		V,S,P,M
07/23/1999	FMETL	13.2	16700	2120	0.716	6330	5840	40.3	7.98		V,S,P,M
10/14/1999	FMETL	27.2	20600	2770	5.03	6860	5880	55.2	7.67		V,S,P,M
02/24/2000	FMETL	21.6	18700	2450	ND	6080	5800	21.4	6.74		V,S,P,M
02/24/2000D	FMETL	19.6	18000	2390	ND	6100	5930	12.3	6.74		V,S,P,M
05/16/2000	FMETL	ND	16900	2150	3.59	6100	5040	15.7	6.88		V,S,P,M
09/01/2000	FMETL	17.6	22000	2780	ND	6530	6400	46.4	6.99		V,S,P,M
11/03/2000	FMETL	22.4	21700	3280	ND	7050	8360	33.0	7.26		V,S,P,M
01/17/2001	FMETL	29.3	18800	2470	ND	6180	5440	9.78	7.12		V,S,P,M

SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 01/17/2001

NOTES:

Page 2 of 2.

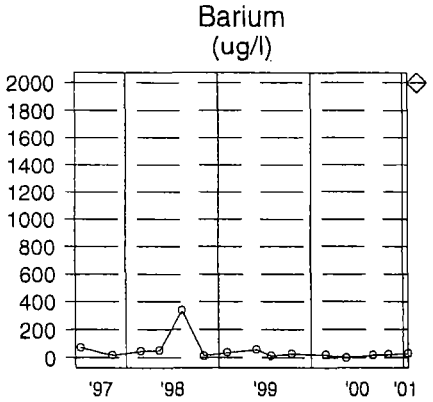
FORT MONMOUTH

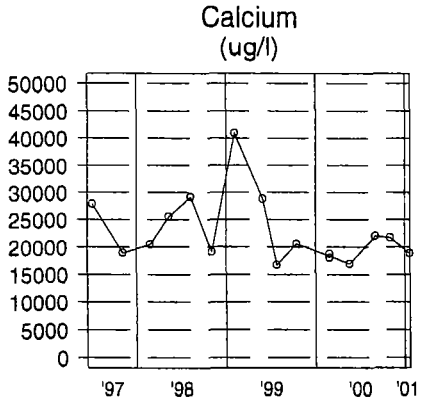
GW MONITORING
Bldg. M-14

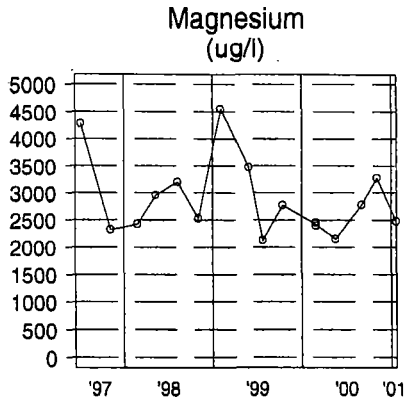
Source 1 of 6

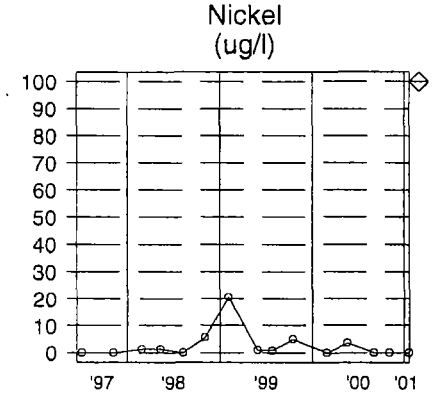
*Ag in blank > GW Criteria for 6/97 & 7/97.

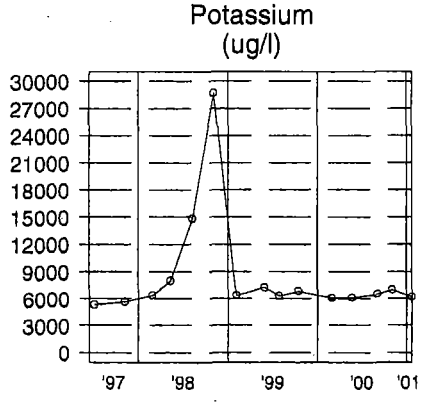
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

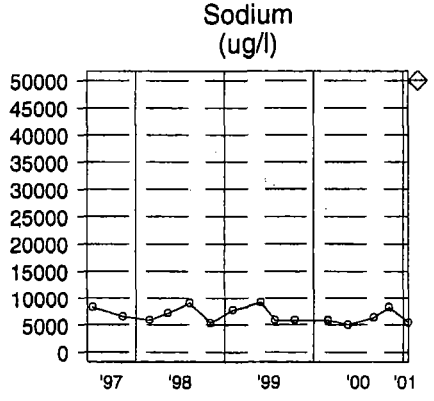


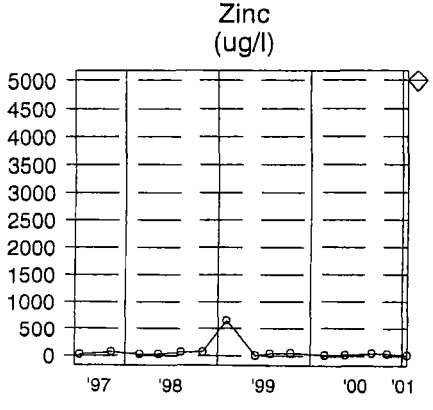


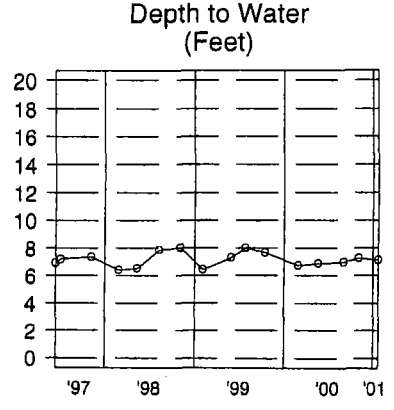












SOURCE: 0M14MW19

Sampling Dates:
06/12/1997 - 01/17/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 1 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-07-2001 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	900	300	50	20	200	20	8	-
06/12/1997	FMETL	ND	ND	3.86	6990	147	32	-	-	-	V,S,P,M
07/03/1997	FMETL	ND	ND	1.31	2470	75	29	21.2	ND	2	V,S,P,M
11/07/1997	FMETL	ND	ND	2.09	2330	46	ND	71	ND	ND	V,S,P,M
02/23/1998	FMETL	ND	ND	12.5	12550	677	ND	286	ND	ND	V,S,P,M
05/07/1998	FMETL	ND	ND	ND	ND	196	ND	ND	ND	ND	V,S,P,M
08/06/1998	FMETL	14.14	6.58	ND	6680	61	ND	270	2.74	3.77	V,S,P,M
11/03/1998	FMETL	ND	ND	ND	3360	57.8	ND	67.8	ND	3.94	V,S,P,M
01/29/1999	FMETL	ND	ND	ND	7210	146	ND	149	ND	ND	V,S,P,M
05/25/1999	FMETL	ND	ND	ND	1490	88.8	ND	139	ND	ND	V,S,P,M
07/23/1999	FMETL	ND	ND	ND	10600	57.7	ND	365	4.23	3.86	V,S,P,M
10/14/1999	FMETL	ND	ND	ND	59800	445	ND	255	2.58	8.89	V,S,P,M
02/24/2000	FMETL	ND	ND	ND	9570	225	ND	132	ND	5.83	V,S,P,M
05/16/2000	FMETL	ND	ND	ND	5130	167	ND	126	3.27	ND	V,S,P,M
09/01/2000	FMETL	ND	ND	ND	27000	281	3.70	317	ND	14.8	V,S,P,M
11/03/2000	FMETL	7.45	ND	ND	10500	79.8	ND	103	ND	5.00	V,S,P,M
01/17/2001	FMETL	ND	ND	ND	15800	234	ND	ND	ND	11.8	V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 01/17/2001

NOTES:

Page 1 of 2.

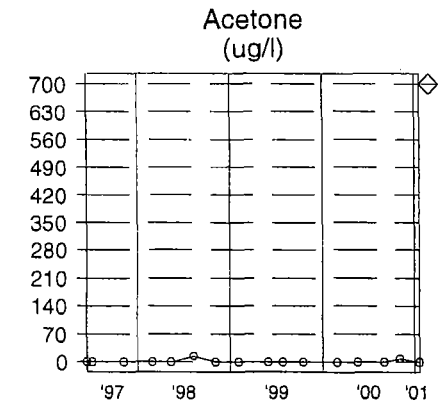
FORT MONMOUTH

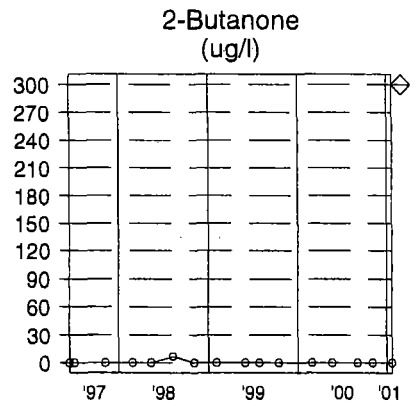
GW MONITORING
Bldg. M-14

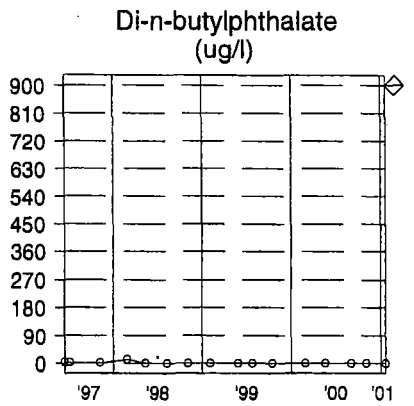
Source 2 of 6

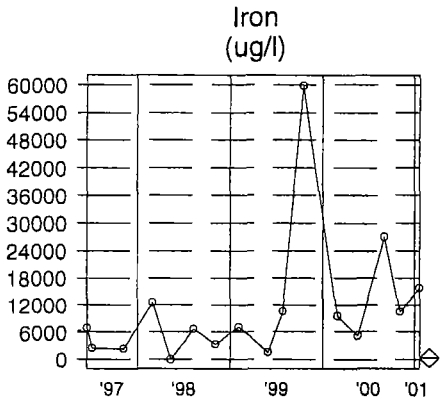
*Ag in blank > GW Criteria for 6/97 & 7/97.

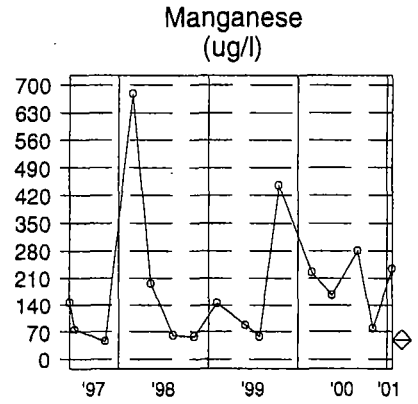
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

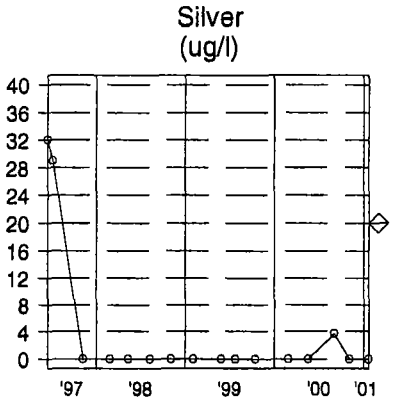


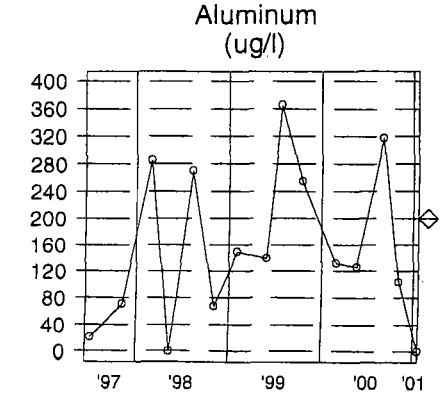


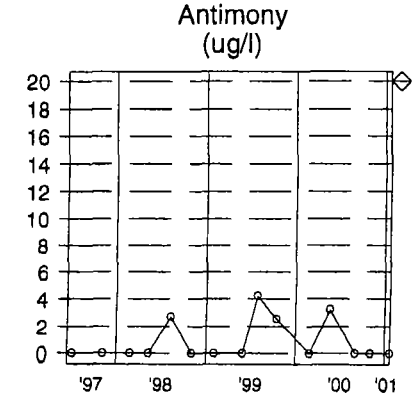


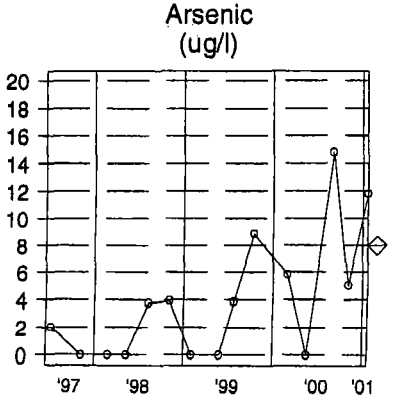












SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 01/17/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 2 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-07-2001 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	2000	NLE	NLE	100	NLE	50000	5000	-		-
06/12/1997	FMETL	-	-	-	-	-	-	-	6.25		V,S,P,M
07/03/1997	FMETL	14.6	24700	2350	ND	5290	6000	24	6.60		V,S,P,M
11/07/1997	FMETL	14	34440	2420	ND	5080	5860	45	6.50		V,S,P,M
02/23/1998	FMETL	60.4	104400	8500	24	9500	14860	108	5.80		V,S,P,M
05/07/1998	FMETL	25.5	63960	4130	8.4	10450	10630	12	5.85		V,S,P,M
08/06/1998	FMETL	30.6	37300	2980	ND	7570	6400	42.1	6.94		V,S,P,M
11/03/1998	FMETL	17.7	41300	2730	2.59	6110	5760	17.4	7.40		V,S,P,M
01/29/1999	FMETL	22.5	49400	2350	14.6	5550	7180	133	6.20		V,S,P,M
05/25/1999	FMETL	43	45700	5560	4.32	7770	14000	2.3	6.78		V,S,P,M
07/23/1999	FMETL	42.1	35500	3180	1.12	5710	6190	23.7	7.23		V,S,P,M
10/14/1999	FMETL	61.3	89100	6690	49.1	8210	9990	323	6.82		V,S,P,M
02/24/2000	FMETL	35.9	61600	4600	8.52	7220	9380	45.1	6.71		V,S,P,M
05/16/2000	FMETL	ND	49300	3000	28.7	5650	7190	432	6.60		V,S,P,M
09/01/2000	FMETL	63.9	81000	4860	13.2	8850	8850	137	6.68		V,S,P,M
11/03/2000	FMETL	35.8	44200	3730	1.86	6720	7130	52.0	6.99		V,S,P,M
01/17/2001	FMETL	61.7	63400	5220	1.56	7920	10900	46.3	6.83		V,S,P,M

SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 01/17/2001

NOTES:

Page 2 of 2.

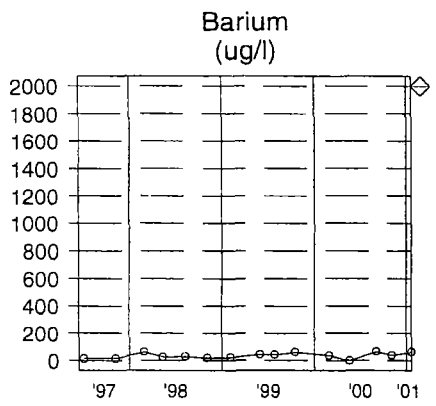
FORT MONMOUTH

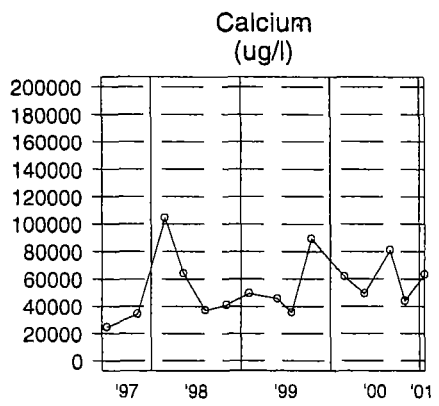
GW MONITORING
Bldg. M-14

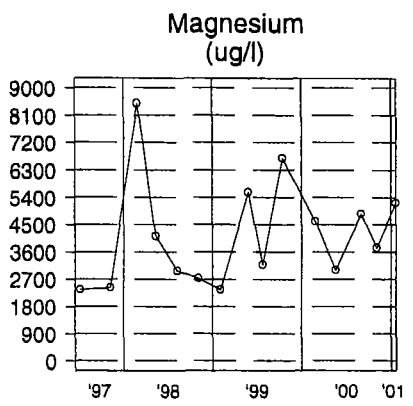
Source 2 of 6

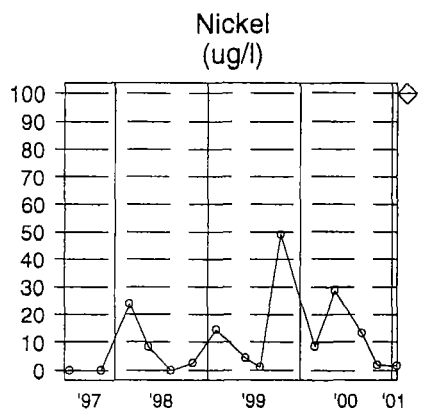
*Ag in blank > GW Criteria for 6/97 & 7/97.

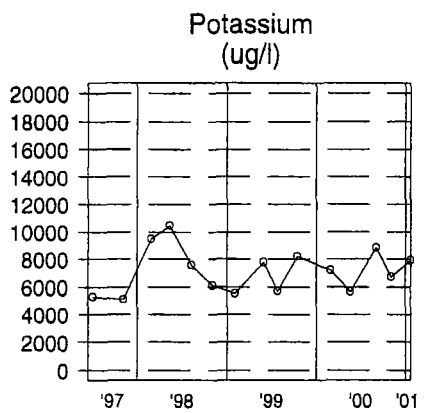
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

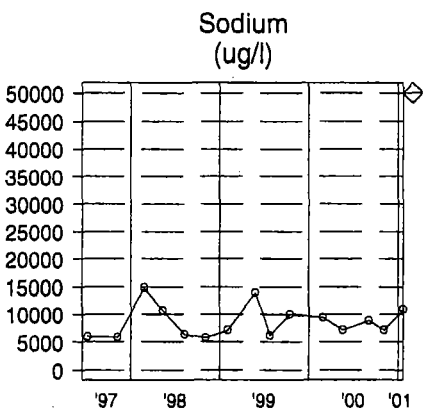


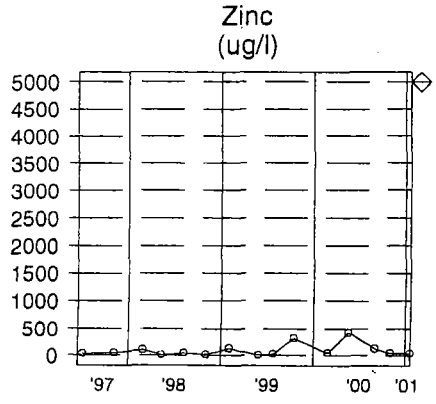


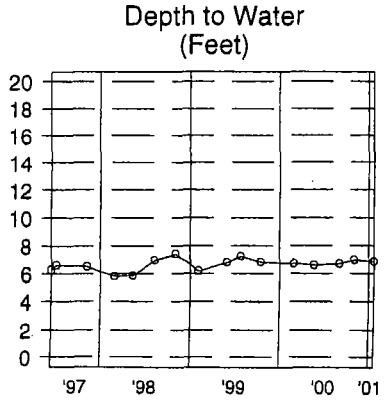












SOURCE: 0M14MW20

Sampling Dates:
06/12/1997 - 01/17/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 2 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-07-2001 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Di-n-butyl phthalate	Iron	Manganese	Silver	Aluminum	Antimony	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	900	300	50	20	200	20	8	-
06/12/1997	FMETL	ND	ND	3.66	1470	64	83	-	-	-	V,S,P,M
07/03/1997	FMETL	ND	ND	3.87	940	84	56	26.8	ND	ND	V,S,P,M
11/07/1997	FMETL	ND	ND	1.46	690	58	ND	95	ND	ND	V,S,P,M
02/23/1998	FMETL	ND	ND	ND	5440	85	ND	93	ND	ND	V,S.P.M
05/07/1998	FMETL	ND	ND	ND	1009	54.6	ND	ND	3.4	ND	V,S,P,M
08/06/1998	FMETL	11.41	5.22	ND	3820	91.9	ND	1190	3.8	ND	V,S,P,M
11/03/1998	FMETL	6.57	ND	ND	831	117	ND	93	ND	ND	V,S,P,M
01/29/1999	FMETL	ND	ND	ND	975	67.4	ND	ND	ND	ND	V,S,P,M
05/25/1999	FMETL	ND	ND	ND	29100	231	ND	538	5.05	5.38	V,S,P,M
07/23/1999	FMETL	ND	ND	ND	650	110	ND	64.7	ND	ND	V,S,P,M
10/14/1999	FMETL	ND	ND	ND	1050	77.2	9.16	99.9	2.32	ND	V,S,P,M
02/24/2000	FMETL	ND	ND	ND	871	69.8	ND	ND	ND	ND	V,S,P,M
05/16/2000	FMETL	ND	ND	ND	1040	83.1	ND	56.9	ND	ND	V,S,P,M
09/01/2000	FMETL	6.23	ND	ND	955	71.2	ND	131	ND	ND	V,S,P,M
11/03/2000	FMETL	5.28	ND	ND	834	85.8	ND	48.7	ND	ND	V,S,P,M
01/17/2001	FMETL	ND	ND	ND	1780	93.4	ND	145	ND	ND	V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 01/17/2001

NOTES:

Page 1 of 2.

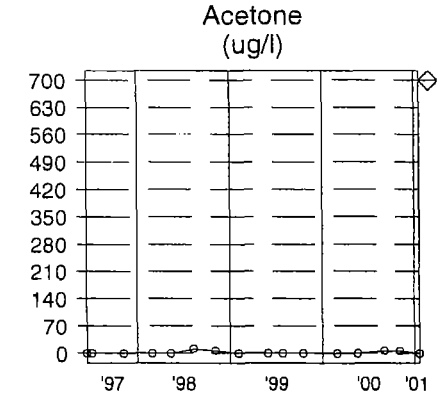
FORT MONMOUTH

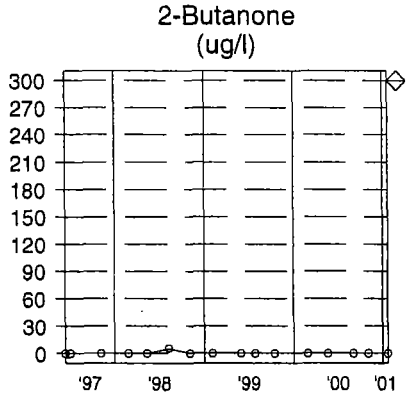
GW MONITORING
Bldg. M-14

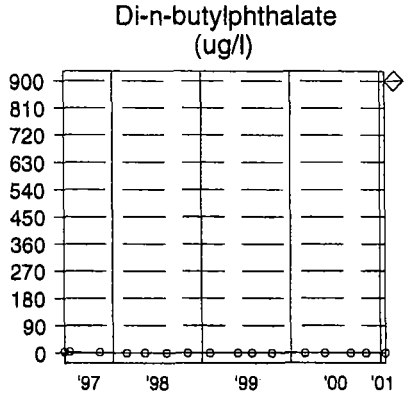
Source 3 of 6

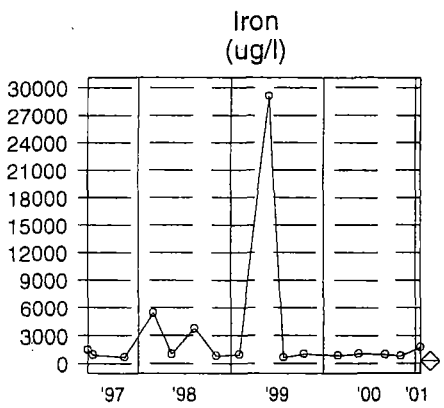
*Ag in blank > GW Criteria for 6/97 & 7/97.

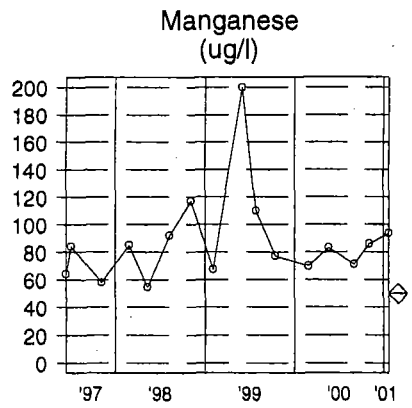
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

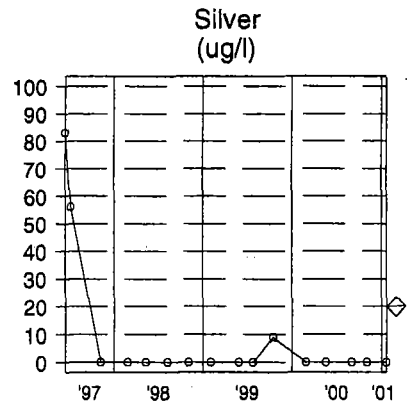


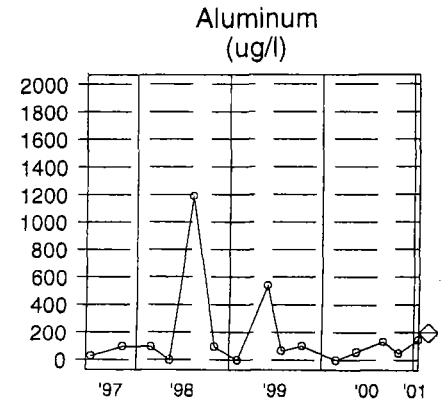


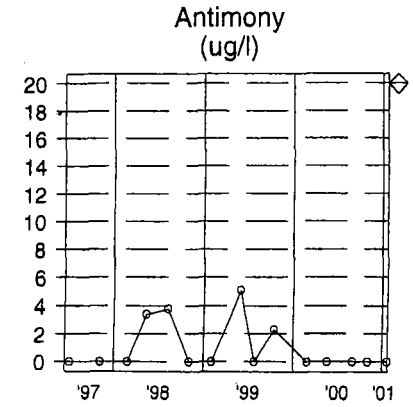


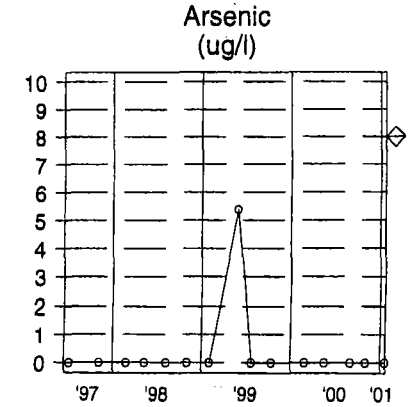












SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 01/17/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 3 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-07-2001 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Barium	Calcium	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	2000	NLE	NLE	100	NLE	50000	5000	-		-
06/12/1997	FMETL	-	-	-	-	-	-	-	7.11		V,S,P,M
07/03/1997	FMETL	25.1	29690	4310	ND	6360	6770	26	6.85		V,S,P,M
11/07/1997	FMETL	23.6	34450	4140	5.9	6520	10300	236	7.10		V,S,P,M
02/23/1998	FMETL	97.1	48840	6670	3.8	9230	25370	20	6.10		V,S.P.M
05/07/1998	FMETL	33.1	45440	6389	1.5	10820	11820	ND	6.22		V,S,P,M
08/06/1998	FMETL	43	44200	5090	1.29	12600	7930	47.5	6.83		V,S,P,M
11/03/1998	FMETL	73.4	86800	9390	2.19	11300	38800	ND	6.72		V,S,P,M
01/29/1999	FMETL	26.1	32300	3610	1.17	6240	12300	12	6.27		V,S,P,M
05/25/1999	FMETL	65.2	60700	3870	5.99	7950	9230	27.1	6.58		V,S,P,M
07/23/1999	FMETL	87.9	79100	8940	ND	11200	47000	15.5	7.41		V,S,P,M
10/14/1999	FMETL	28.0	39900	4490	1.14	6580	12000	8.15	7.70		V,S,P,M
02/24/2000	FMETL	18.4	30700	3620	ND	5870	6760	7.62	7.53		V,S,P,M
05/16/2000	FMETL	ND	35000	4070	5.86	6360	7840	105	6.88		V,S,P,M
09/01/2000	FMETL	24.7	33700	3970	ND	6470	6710	27.8	7.34		V,S,P,M
11/03/2000	FMETL	25.0	35100	4080	9.81	7300	7040	406	6.83		V,S,P,M
01/17/2001	FMETL	36.7	41300	5030	ND	6940	12000	6.74	7.10		V,S,P,M

SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 01/17/2001

NOTES:

Page 2 of 2.

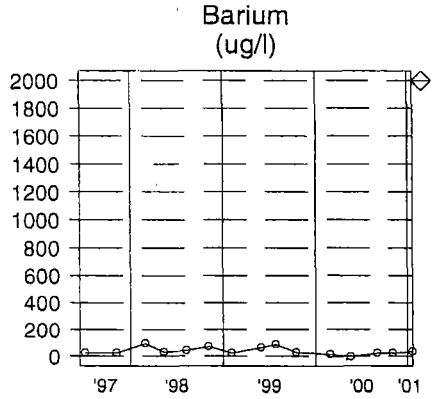
FORT MONMOUTH

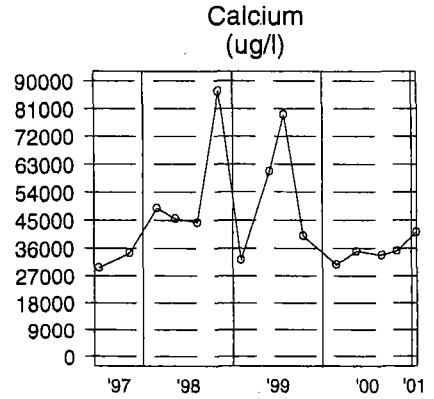
GW MONITORING
Bldg. M-14

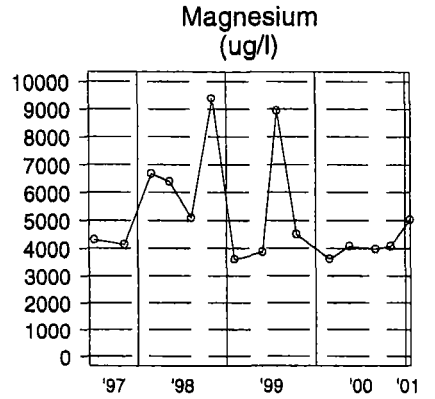
Source 3 of 6

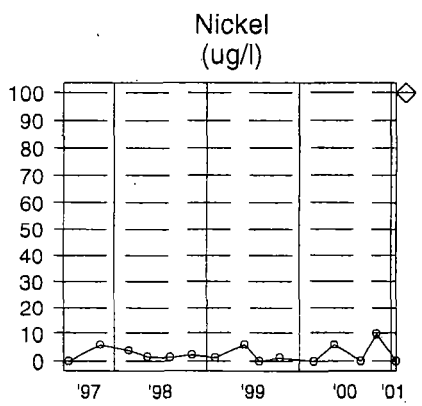
*Ag in blank > GW Criteria for 6/97 & 7/97.

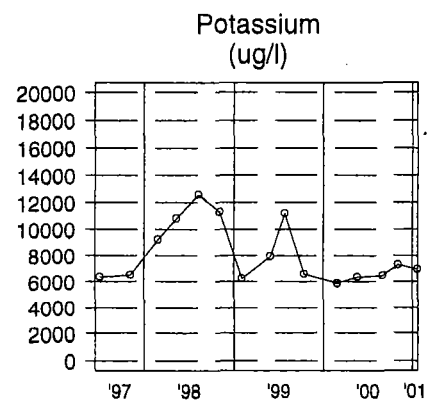
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

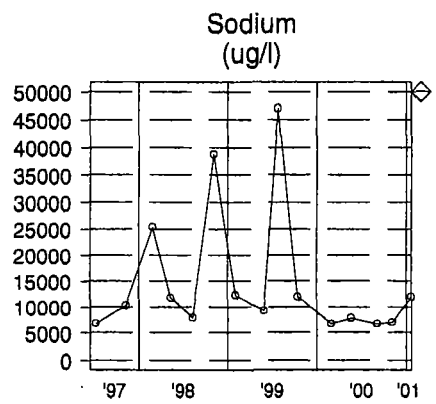


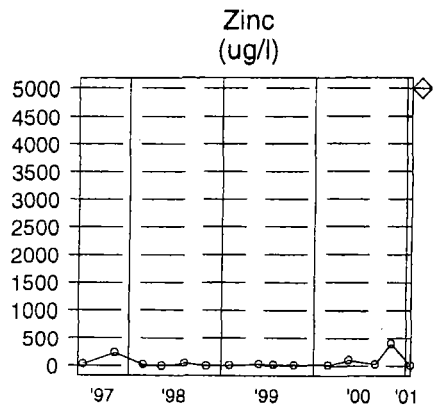


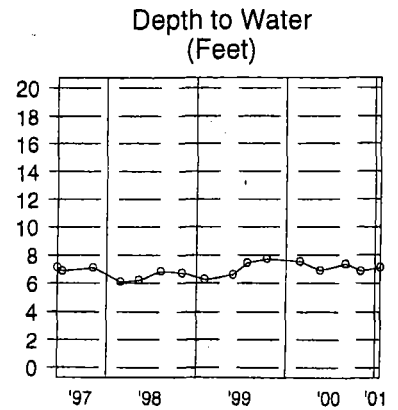












SOURCE: 0M14MW21

Sampling Dates:
06/12/1997 - 01/17/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 3 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-07-2001 . x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Chloro benzene	Acetone	Iron	Manganese	Aluminum	Barium	Calcium	Magnesium	Nickel	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	4	700	300	50	200	2000	NLE	NLE	100	-
02/24/2000	FMETL	2.61	ND	21400	422	93.4	119	71200	6590	7.19	V,S,P,M
05/16/2000	FMETL	ND	ND	7400	117	45.6	ND	45000	5400	4.12	V,S,P,M
09/01/2000	FMETL	1.56	ND	6580	102	113	45.6	57400	4230	ND	V,S,P,M
11/03/2000	FMETL	1.33	5.56	4380	88.6	76.9	40.2	53000	3720	1.58	V,S,P,M
01/17/2001	FMETL	2.23	ND	8850	101	127	42.1	57700	4300	ND	V,S,P,M

SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 01/17/2001

NOTES:

Page 1 of 2.

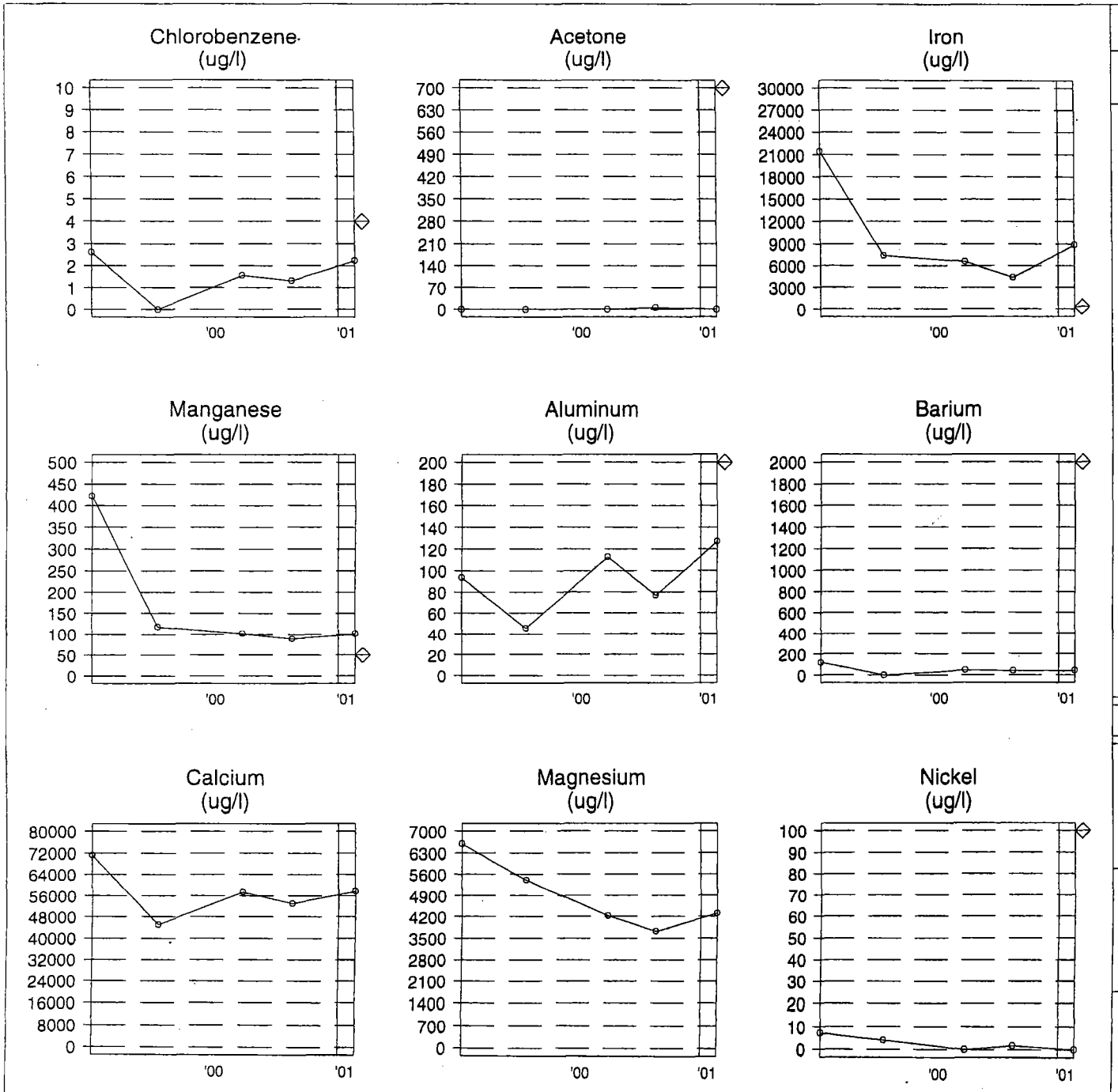
FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 4 of 6

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 01/17/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 4 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-07-2001 x:\mtech46\frm\m-14\gw\m-14.wsf

	Laboratory	Potassium	Sodium	Zinc	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	NLE	50000	5000	-						-
02/24/2000	FMETL	6180	10500	146	6.99						V,S,P,M
05/16/2000	FMETL	6170	10500	14.9	6.80						V,S,P,M
09/01/2000	FMETL	5710	6540	81.5	6.90						V,S,P,M
11/03/2000	FMETL	5660	6150	58.0	6.86						V,S,P,M
01/17/2001	FMETL	5890	5510	50.5	6.95						V,S,P,M

SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 01/17/2001

NOTES:

Page 2 of 2.

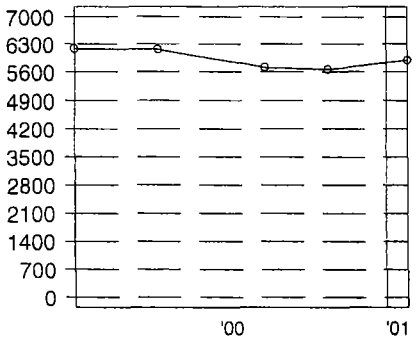
FORT MONMOUTH

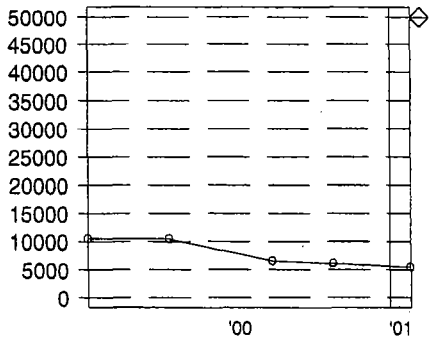
GW MONITORING
Bldg. M-14

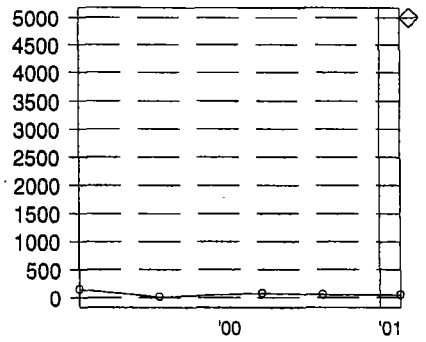
Source 4 of 6

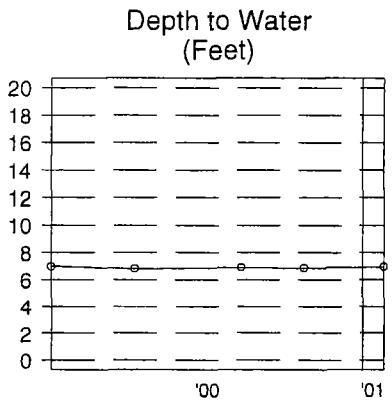
*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV









SOURCE: 0M14MW22

Sampling Dates:
02/24/2000 - 01/17/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 4 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Laboratory	Acetone	4-Methyl phenol	Iron	Manganese	Aluminum	Antimony	Arsenic	Barium	Calcium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	NLE	300	50	200	20	8	2000	NLE	-
02/24/2000	FMETL	ND	ND	20000	395	251	69.7	3.17	76.3	57200	V,S,P,M
05/16/2000	FMETL	ND	ND	6300	159	691	ND	ND	ND	57900	V,S,P,M
05/16/2000D	FMETL	ND	ND	6100	156	624	ND	ND	0.957	57000	V,S,P,M
09/01/2000	FMETL	7.10	4.97	3310	15.7	73.7	ND	4.65	10.8	41500	V,S,P,M
11/03/2000	FMETL	ND	ND	4050	39.7	23.4	ND	2.71	15.7	41700	V,S,P,M
01/17/2001	FMETL	ND	ND	16400	244	ND	ND	3.71	89.9	52300	V,S,P,M
01/17/2001D	FMETL	ND	ND	1640	96.7	158	4.44	ND	37.9	43900	V,S,P,M

SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 01/17/2001

NOTES:

Page 1 of 2.

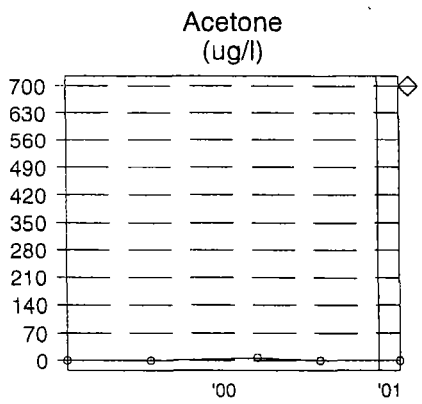
FORT MONMOUTH

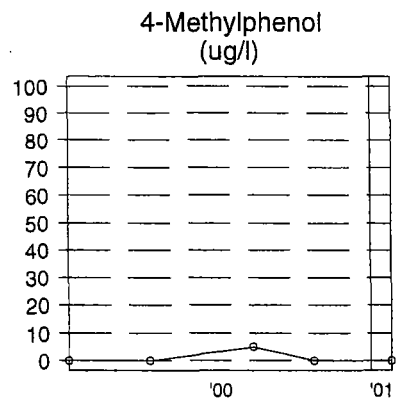
GW MONITORING
Bldg. M-14

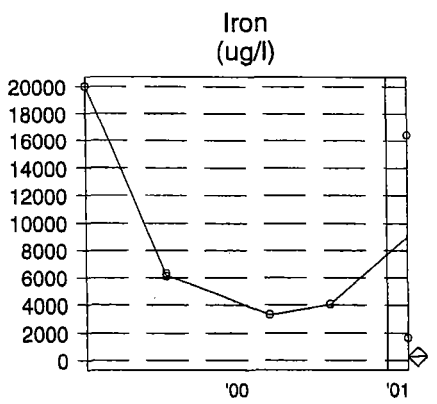
Source 5 of 6

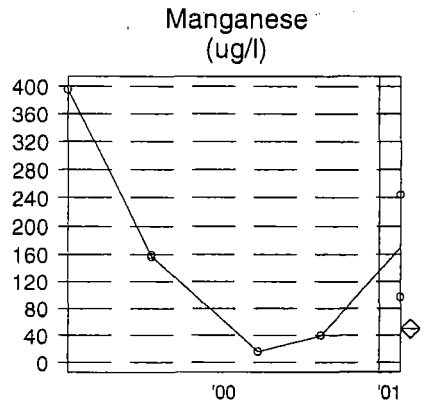
*Ag in blank > GW Criteria for 6/97 & 7/97.

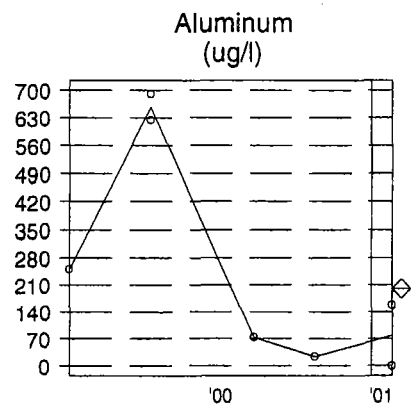
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

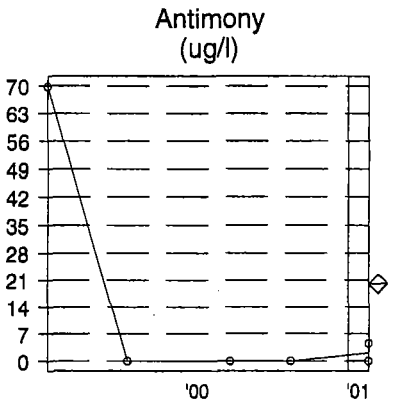


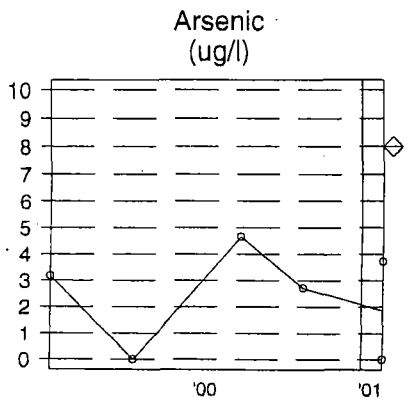


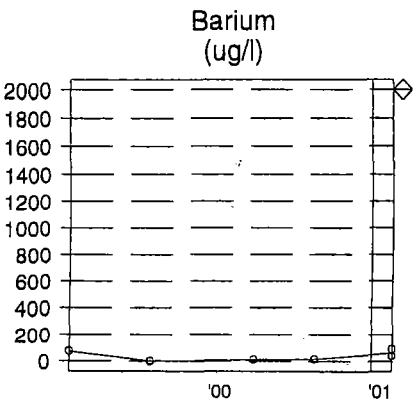


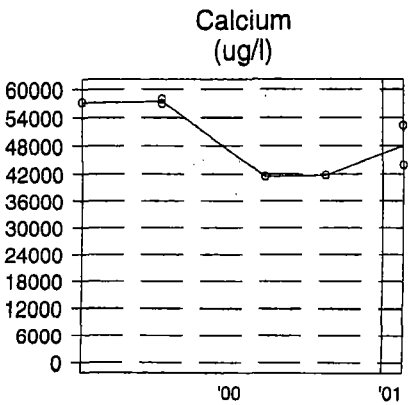












SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 01/17/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 5 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-07-2001 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Magnesium	Nickel	Potassium	Sodium	Zinc	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	NLE	100	NLE	50000	5000	-				-
02/24/2000	FMETL	25500	15800	7810	30800	413	7.40				V,S,P,M
05/16/2000	FMETL	4120	6.28	5870	5750	861	6.83				V,S,P,M
05/16/2000D	FMETL	3990	6.88	5800	5530	703	6.83				V,S,P,M
09/01/2000	FMETL	3880	ND	5350	6460	36.1	7.03				V,S,P,M
11/03/2000	FMETL	4510	ND	6280	8900	40.7	6.93				V,S,P,M
01/17/2001	FMETL	7980	ND	6970	25700	ND	7.18				V,S,P,M
01/17/2001D	FMETL	5370	ND	7480	13500	25.5	7.18				V,S,P,M

SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 01/17/2001

NOTES:

Page 2 of 2.

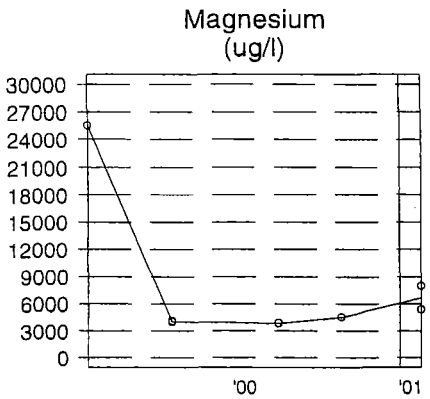
FORT MONMOUTH

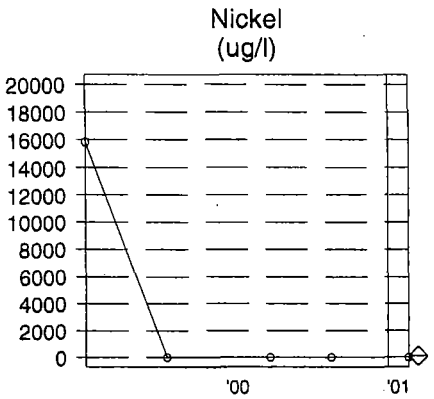
GW MONITORING
Bldg. M-14

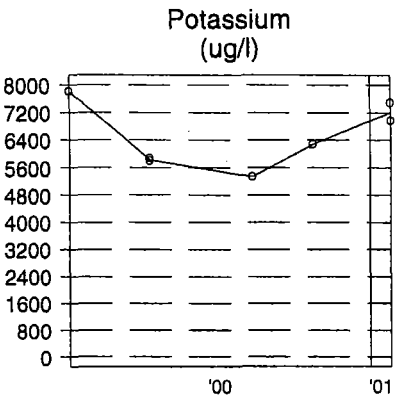
Source 5 of 6

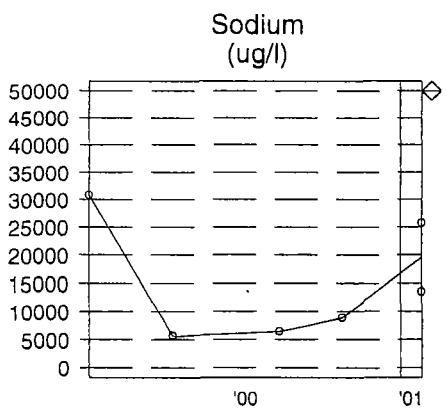
*Ag in blank > GW Criteria for 6/97 & 7/97.

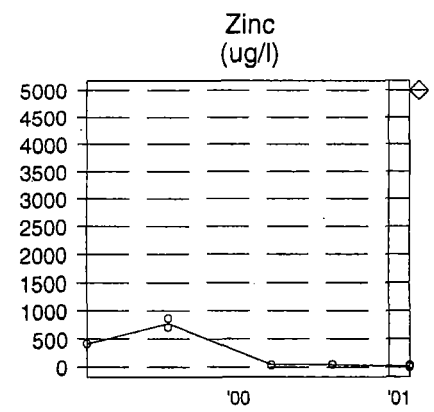
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

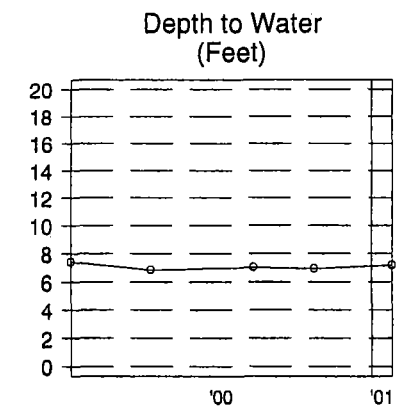












SOURCE: 0M14MW23

Sampling Dates:
02/24/2000 - 01/17/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 5 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-07-2001 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Acetone	2-Butanone	Phenanthrene	Phenol	4-Methylphenol	Benzoic Acid	4,4'-DDE	4,4'-DDD	Iron	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	NLE	4000	NLE	NLE	0.10	0.10	300	-
05/16/2000	FMETL	95.59	11.23	1.32	22.55	2.59	19.46	-	-	2720	V,S,P,M
09/01/2000	FMETL	6.93	ND	ND	ND	ND	ND	-	-	10700	V,S,P,M
11/03/2000	FMETL	8.86	ND	ND	ND	ND	ND	-	-	6280	V,S,P,M
11/03/2000D	FMETL	10.59	ND	ND	ND	ND	ND	-	-	6590	V,S,P,M
01/17/2001	FMETL	137.26	ND	ND	ND	ND	ND	0.012	0.030	4110	V,S,P,M

SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 01/17/2001

NOTES:

Page 1 of 3.

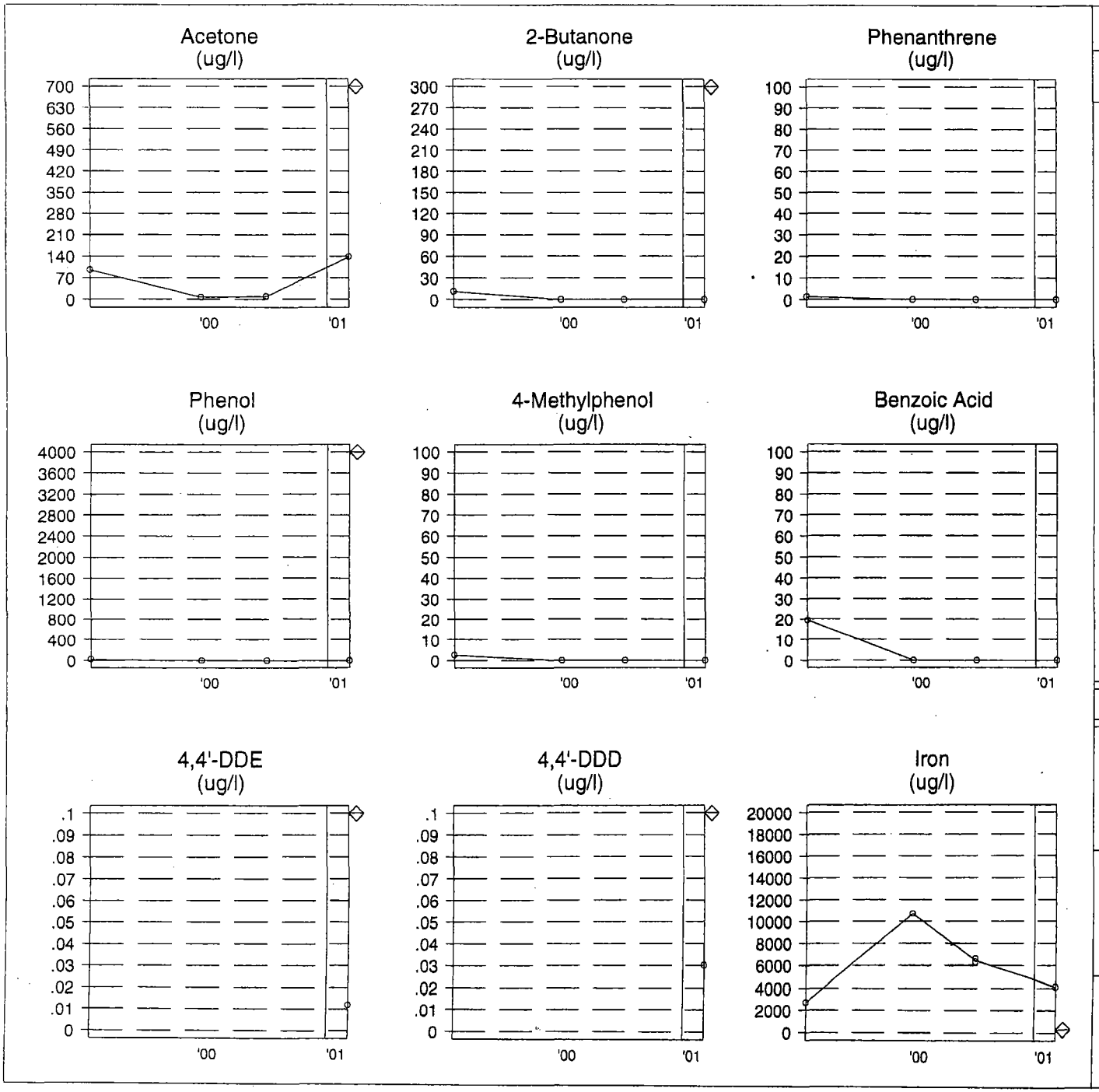
FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 6 of 6

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 01/17/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 6 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-07-2001 x:\mtech48\fm\m-14\gw\m-14.wsf

	Laboratory	Manganese	Aluminum	Antimony	Arsenic	Barium	Calcium	Magnesium	Nickel	Potassium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	50	200	20	8	2000	NLE	NLE	100	NLE	-
05/16/2000	FMETL	71.3	626	ND	28.6	ND	119000	17700	9.43	12900	V,S,P,M
09/01/2000	FMETL	186	1320	3.72	24.5	30.7	143000	50900	2.00	28900	V,S,P,M
11/03/2000	FMETL	194	239	ND	17.8	30.5	153000	46500	ND	27400	V,S,P,M
11/03/2000D	FMETL	196	297	ND	18.3	31.3	153000	46100	2.26	27000	V,S,P,M
01/17/2001	FMETL	179	ND	ND	16.0	32.9	210000	40600	ND	18300	V,S,P,M

SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 01/17/2001

NOTES:

Page 2 of 3.

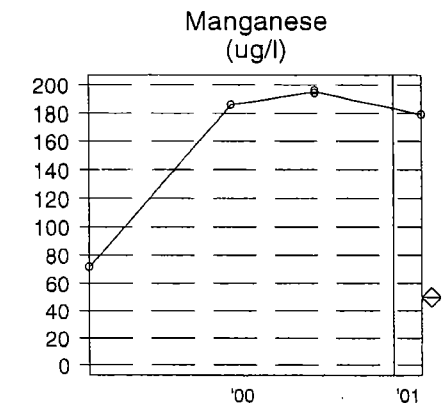
FORT MONMOUTH

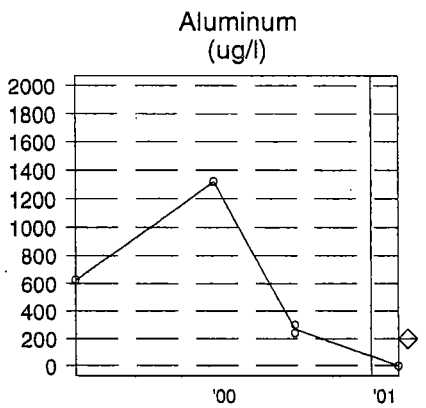
GW MONITORING
Bldg. M-14

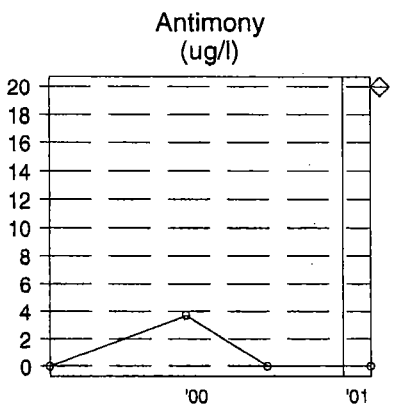
Source 6 of 6

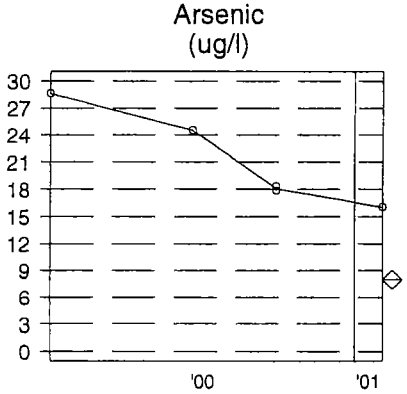
*Ag in blank > GW Criteria for 6/97 & 7/97.

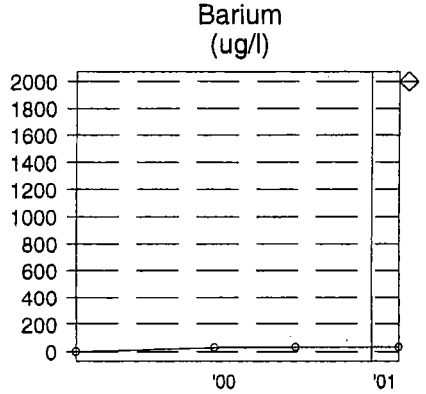
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

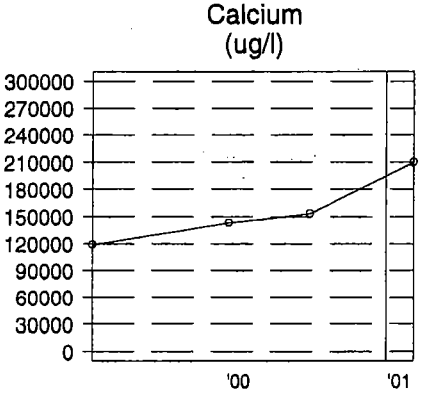


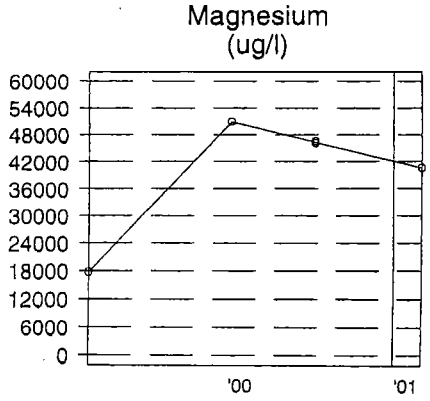


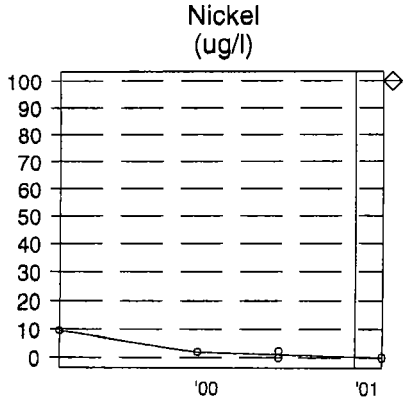


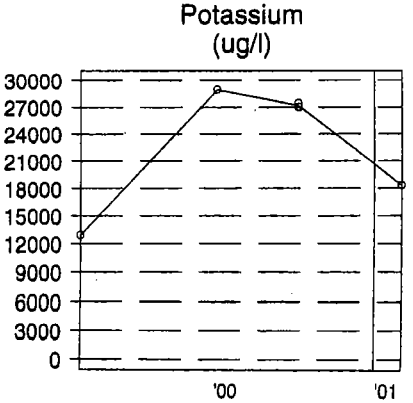












SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 01/17/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 6 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-07-2001 x:\mtech46\fm\m-14\gw\m-14.wsf

	Laboratory	Sodium	Zinc	Depth to Water							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	50000	5000	-							-
05/16/2000	FMETL	119000	14.5	7.61							V,S,P,M
09/01/2000	FMETL	169000	50.9	7.57							V,S,P,M
11/03/2000	FMETL	148000	36.2	7.45							V,S,P,M
11/03/2000D	FMETL	146000	56.6	7.45							V,S,P,M
01/17/2001	FMETL	125000	24.4	7.68							V,S,P,M

SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 01/17/2001

NOTES:

Page 3 of 3.

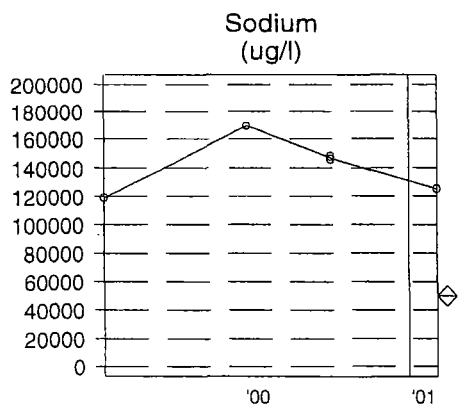
FORT MONMOUTH

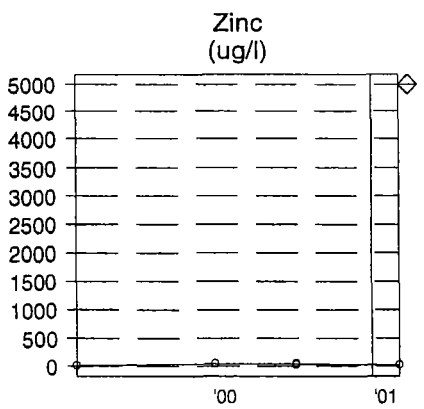
GW MONITORING
Bldg. M-14

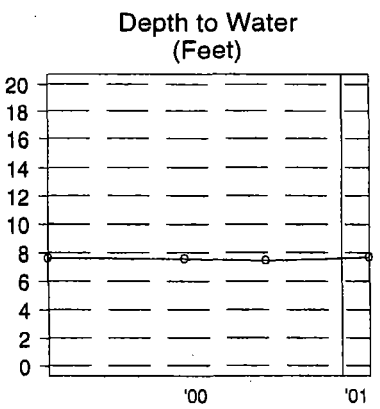
Source 6 of 6

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 0M14MW24

Sampling Dates:
05/16/2000 - 01/17/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. M-14

Source 6 of 6, Graph

*Ag in blank > GW Criteria for 6/97 & 7/97.

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-07-2001 x:\mtech46\fm\m-14\gw\m-14.wsf

Appendix E

Surface Water Laboratory Data Sheets

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: Streams/4th Qtr.

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site 01	2178.01	Aqueous	8-Oct-96 08:55	10/08/96
Stream Site 02	2178.02	Aqueous	8-Oct-96 07:15	10/08/96
Stream Site 03	2178.03	Aqueous	8-Oct-96 07:35	10/08/96
Stream Site 04	2178.04	Aqueous	8-Oct-96 07:50	10/08/96
Stream Site 05	2178.05	Aqueous	8-Oct-96 08:00	10/08/96
Stream Site 06	2178.06	Aqueous	8-Oct-96 08:10	10/08/96
Stream Site 07	2178.07	Aqueous	8-Oct-96 08:25	10/08/96
Stream Site 08	2178.08	Aqueous	8-Oct-96 09:18	10/08/96
Stream Site 09	2178.09	Aqueous	8-Oct-96 09:25	10/08/96
Stream Site 10	2178.10	Aqueous	8-Oct-96 09:45	10/08/96
Stream Site 11	2178.11	Aqueous	8-Oct-96 10:10	10/08/96
Stream Site 12	2178.12	Aqueous	8-Oct-96 09:35	10/08/96
Stream Site 13	2178.13	Aqueous	8-Oct-96 10:10	10/08/96
Stream Site 14	2178.14	Aqueous	8-Oct-96 10.15	10/08/96
Stream Site 15	2178.15	Aqueous	8-Oct-96 09:10	10/08/96

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Bhaskar M. Patel
For Daniel Wright 10/22/96
Daniel Wright/Date
Laboratory Director

U.S. ARMY FORT MONMOUTH

P.O. #:

Chain of Custody

Project #:	Sampler: Ray Pagnotta Scott Wedgeman	Date / Time 10/8/96 0630	Analysis Parameters	Start:
Customer: U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Site Name: Stream sampling October			Finish:
Phone:				

Lab Sample ID Number	Date/Time	Customer Sample Location/ID Number	Sample Matrix	# of Bottles	Temp. °C	pH	Temp. °C	Dissolved O2 (ppm)	SO4	NH3	Microbiology	VOA's	Saline %	Remarks
21781	10/8/96	955	Stream site 1	Aqua	5	14.1	8.31	9.5	x	x	x	x	0.96	All samples kept ≤ 4°C
.2		715	2			14.2	7.68	9.0					0.13	NH3 hrs H2S 04
.3		735	3			13.1	7.52	9.5					0.37	34 VOAs 40ml
.4		750	4			14.1	7.11	7.5					3.18	10 250ml Plastic
.5		800	5			14	7.46	7.4					2.78	10 500ml Plastic
.6		810	6			14.3	7.41	7.4					2.63	10 300ml BOD glass
.7		845	7			15.0	7.52	9.7					10.53	
.8		918	8			14.1	7.65	7.0					0.53	
.9		925	9			14.1	7.51	6.9					0.58	
.10		945	10	↓		14.1	8.15	9.9					0.14	
.11	↓	1000	11	Aqua	2							X		

Relinquished By (signature)	Date / Time	Received By (signature)	Shipped By:
Rec Lapp	10/8/96 1115	Sarah J. Hubbard	
Relinquished By (signature)	**Date / Time**	**Received for Lab by (signature):**	**Date / Time**

Note: A drawing depicting sample location should be attached or drawn on the reverse side of this chain of custody.

ornmental Laboratory

Number 13461

U.S. ARMY FORT MONMOUTH

P.O. #:

Chain of Custody

Project #:	Sampler: Ray Pogwist Scott Wagemann	Date / Time 10/8/96 0630	Analysis Parameters	Start:
Customer: U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Site Name: STREAM SAMPLING October			Finish:
Phone:				Preservation Method

Lab Sample ID Number	Date/Time		Customer Sample Location/ID Number	Sample Matrix	# of Bottles	pH Temp	Dissolved O_2	SO_4	NO_3 PO_4	NH_3	Microbiology	VOA's	Remarks	
21798 12	10/8/96	1435	STREAM SITE 12	AQUA	2						X		All samples kept	≤ 4°C
13			13								X		NH_3 has -	H_2SO_4
14			14								X			
15		910	15								X			
16		0950	Trip Blank								X			
17		0710	Field Blank								X			

Relinquished By (signature)	Date / Time	Received By (signature)	Shipped By:
Jack A. Lentz	10/8/96 1115	Sarah J. Hubbard	
Relinquished By (signature)	Date / Time	Received for Lab by (signature):	Date / Time

Note: A drawing depicting sample location should be attached or drawn on the reverse side of this chain of custody.

Enviornmental Laboratory

Certification Number 13461

October 5, 1986 Sampling for VOCs

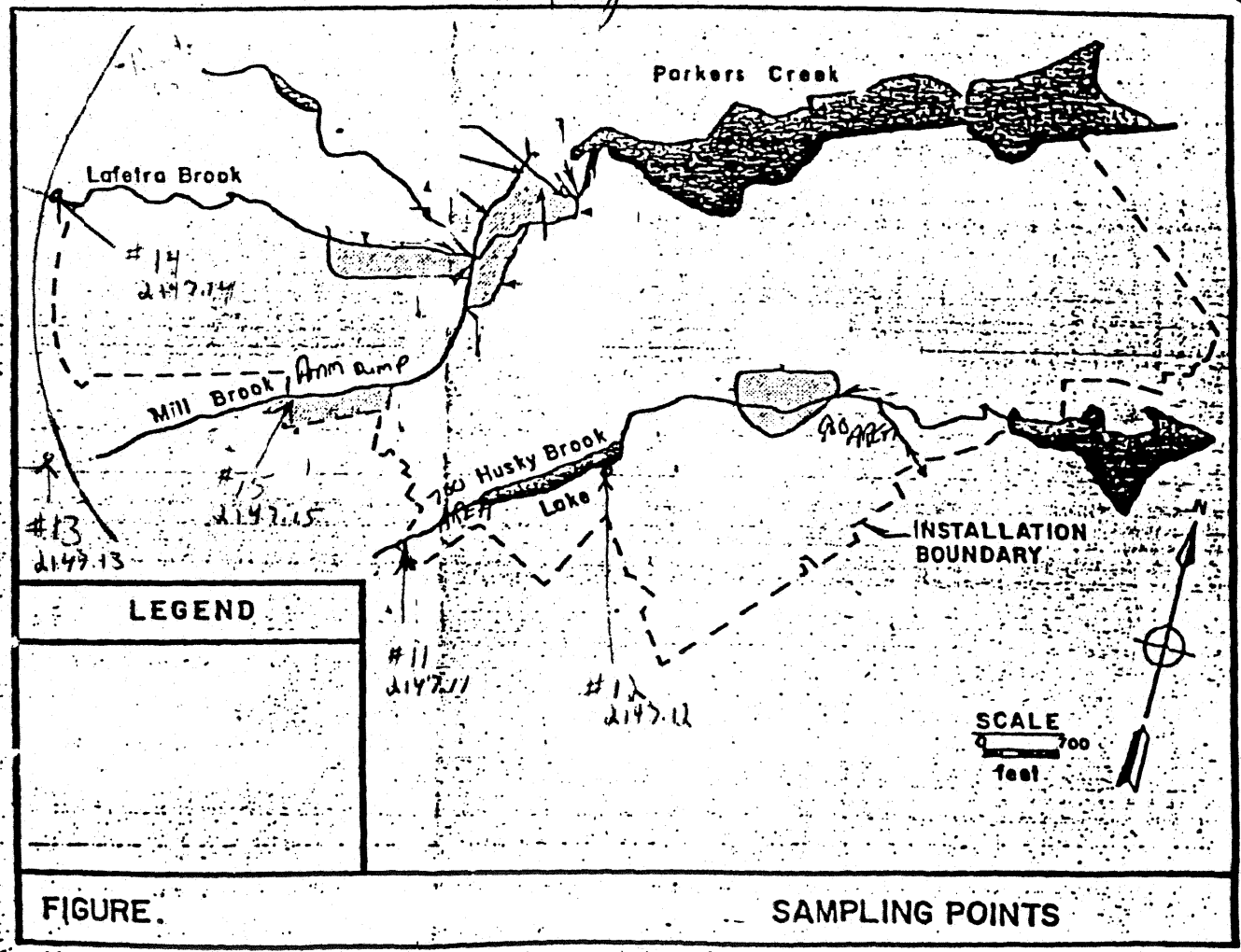


FIGURE. SAMPLING POINTS

Installation Restoration Program Phase II Confirmation/Quantification Stage 2 Final Report, Volume 1 of 2, Contract No. DAAK11-82-D-0032, Delivery Order No. 0024, Prepared by Ecology and Environment, Inc. and Woodward-Clyde Consultants, Prepared for U.S. Army Toxic and Hazardous Materials Agency, Aberdeen Proving Ground, Maryland 21010-5401, Technical Monitor: Mr. Robert Hall, Directorate of Installation Support, Fort Monmouth, New Jersey 07703-5007, December 1988

Installation Restoration Program Phase II Confirmation/Quantification Stage 1 Final Report, Volume 1 of 2, Contract No. DAAK11-82-D-0032, Delivery Order No. 0024, Prepared by Ecology and Environment, Inc. and Woodward-Clyde Consultants, Prepared for U.S. Army Toxic and Hazardous Materials Agency, Aberdeen Proving Ground, Maryland 21010-5401, Technical Monitor: Mr. Robert Hall, Directorate of Installation Support, Fort Monmouth, New Jersey 07703-5007, December 1988

Feasibility Engineering Consultation No. 22-24-0729-86, Stream and Ground-Water Monitoring Well Sampling for Landfill Discharge Determination, Fort Monmouth, New Jersey, 1 October 1985

601/602 Analysis Data Sheet

Sample I.D.: **M.Blank**
Misc. ID:
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102103.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	NA	<	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.36	**4.73 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	NA	<	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	NA	<	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	NA	<	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.69	20.95	104.75	80-120
43	1,4-Dichlorobutane (s)	24.88	24.87	21.79	108.95	80-120
78	2-Bromochlorobenzene (S)	28.23	28.23	19.28	96.4	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.09	18.07	90.35	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.1**
Misc. ID: **Site #1**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102105.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	NA	<	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.36	**3.84 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	NA	<	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	19.32	**2.61**	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	23.17	**8.44**	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.69	21.50	107.5	80-120
43	1,4-Dichlorobutane (s)	24.88	24.87	23.18	115.9	80-120
78	2-Bromochlorobenzene (S)	28.23	28.23	18.96	94.8	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.10	17.82	89.1	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.2**
Misc. ID: **Site #2**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102106.D

Results:

Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	NA	<	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.36	**3.87 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	NA	<	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	19.31	**1.75**	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	23.17	**5.97**	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.70	21.30	106.5	80-120
43	1,4-Dichlorobutane (s)	24.88	24.87	22.84	114.2	80-120
78	2-Bromochlorobenzene (S)	28.23	28.23	18.57	92.85	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.10	17.50	87.5	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.3**
Misc. ID: **Site #3**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102107.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	NA	<	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.36	**3.90 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	NA	<	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	19.31	**0.66**	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	23.17	**2.08**	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.70	21.34	106.7	80-120
43	1,4-Dichlorobutane (s)	24.88	24.87	21.15	105.75	80-120
78	2-Bromochlorobenzene (S)	28.23	28.23	19.69	98.45	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.10	17.62	88.1	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.4**
Misc. ID: **Site #4**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102108.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	NA	<	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.34	**3.75 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	NA	<	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	19.31	**0.64**	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	23.18	**2.35**	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.68	21.03	105.15	80-120
43	1,4-Dichlorobutane (s)	24.88	24.87	21.49	107.45	80-120
78	2-Bromochlorobenzene (S)	28.23	28.23	18.66	93.3	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.10	17.59	87.95	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.5**
Misc. ID: **Site #5**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102109.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	NA	<	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.37	**3.52 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	NA	<	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	19.31	**0.81**	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	23.17	**2.76**	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.70	20.55	102.75	80-120
43	1,4-Dichlorobutane (s)	24.88	24.86	21.30	106.5	80-120
78	2-Bromochlorobenzene (S)	28.23	28.23	18.99	94.95	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.10	17.73	88.65	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.6**
Misc. ID: **Site #6**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102110.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	NA	<	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.36	**3.69 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	NA	<	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	19.32	**0.92**	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	23.17	**3.05**	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.70	21.76	108.8	80-120
43	1,4-Dichlorobutane (s)	24.88	24.86	21.93	109.65	80-120
78	2-Bromochlorobenzene (S)	28.23	28.23	19.11	95.55	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.10	17.73	88.65	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.7**
Misc. ID: **Site #7**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102111.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	NA	<	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.37	**3.59 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	NA	<	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	19.32	**0.11**	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	23.18	**0.39**	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.67	20.89	104.45	80-120
43	1,4-Dichlorobutane (s)	24.88	24.87	19.69	98.45	80-120
78	2-Bromochlorobenzene (S)	28.23	28.23	19.76	98.8	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.09	17.85	89.25	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.8**
Misc. ID: **Site #8**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102112.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	NA	<	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.34	**3.82 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	NA	<	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	19.32	**0.27**	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	NA	<	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.69	20.99	104.95	80-120
43	1,4-Dichlorobutane (s)	24.88	24.86	22.12	110.6	80-120
78	2-Bromochlorobenzene (S)	28.23	28.23	18.76	93.8	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.09	17.81	89.05	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.9**
Misc. ID: **Site #9**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102113.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	NA	<	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.35	**3.79 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	NA	<	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	19.31	**0.24**	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	NA	<	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.69	21.17	105.85	80-120
43	1,4-Dichlorobutane (s)	24.88	24.86	21.32	106.6	80-120
78	2-Bromochlorobenzene (S)	28.23	28.23	19.07	95.35	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.09	17.87	89.35	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.10**
Misc. ID: **Site #10**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102114.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	4.06	**0.89**	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.35	**3.78 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	NA	<	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	19.31	**1.13**	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	23.18	**0.11**	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.69	21.65	108.25	80-120
43	1,4-Dichlorobutane (s)	24.88	24.86	21.84	109.2	80-120
78	2-Bromochlorobenzene (S)	28.23	28.22	19.03	95.15	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.09	17.88	89.4	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.11**
Misc. ID: **Site #11**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102119.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	4.06	**1.21**	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.35	**3.71 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	NA	<	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	19.31	**1.76**	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	23.18	**0.12**	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.69	20.68	103.4	80-120
43	1,4-Dichlorobutane (s)	24.88	24.86	21.64	108.2	80-120
78	2-Bromochlorobenzene (S)	28.23	28.22	18.46	92.3	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.09	18.06	90.3	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.12**
Misc. ID: **Site #12**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102120.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	NA	<	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.35	**3.79 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	NA	<	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	19.31	**0.14**	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	23.18	**0.02 J**	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.69	21.49	107.45	80-120
43	1,4-Dichlorobutane (s)	24.88	24.87	20.63	103.15	80-120
78	2-Bromochlorobenzene (S)	28.23	28.23	18.77	93.85	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.09	17.58	87.9	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.13**
Misc. ID: **Site #13**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102121.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	NA	<	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.35	**3.76 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	NA	<	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	NA	<	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	NA	<	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.69	20.86	104.3	80-120
43	1,4-Dichlorobutane (s)	24.88	24.86	21.14	105.7	80-120
78	2-Bromochlorobenzene (S)	28.23	28.23	18.61	93.05	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.09	17.45	87.25	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.14**
Misc. ID: **Site #14**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102122.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	NA	<	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.38	**3.65 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	NA	<	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	NA	<	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	23.17	**0.01 J**	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.69	21.24	106.2	80-120
43	1,4-Dichlorobutane (s)	24.88	24.87	20.93	104.65	80-120
78	2-Bromochlorobenzene (S)	28.23	28.23	19.16	95.8	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.10	17.46	87.3	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.15**
Misc. ID: **Site #15**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102123.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	NA	<	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.37	**3.85 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	NA	<	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	19.31	**2.58**	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	23.17	**8.41**	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.69	21.13	105.65	80-120
43	1,4-Dichlorobutane (s)	24.88	24.87	20.74	103.7	80-120
78	2-Bromochlorobenzene (S)	28.23	28.23	18.87	94.35	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.09	18.18	90.9	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.16**
Misc. ID: **trip blank**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102124.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	NA	<	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.37	**13.22 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	12.97	**6.47**	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	NA	<	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	19.41	**0.35**	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	NA	<	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.69	19.80	99	80-120
43	1,4-Dichlorobutane (s)	24.88	24.87	21.04	105.2	80-120
78	2-Bromochlorobenzene (S)	28.23	28.23	18.74	93.7	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.09	17.79	88.95	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

601/602 Analysis Data Sheet

Sample I.D.: **2178.17**
Misc. ID: **field blank**
Date Analyzed: **10/21/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\102125.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.69	NA	<	0.04
2	Chloromethane	3.77	NA	<	0.13
3	Vinyl Chloride	4.10	NA	<	0.08
4	Bromomethane	4.64	NA	<	0.09
5	Chloromethane	4.91	NA	<	0.08
6	Trichlorofluoromethane	5.99	NA	<	0.12
7	1,1-Dichloroethene	7.02	NA	<	0.11
8	Methylene Chloride	7.34	7.34	**9.92 B**	0.04
9	Trans-1,2-dichloroethene	9.14	NA	<	0.06
10	1,1-Dichloroethane	9.92	NA	<	0.08
12	Chloroform	12.99	12.88	**1.52**	0.02
13	1,1,1-trichloroethane	15.71	NA	<	0.09
14	Carbon tetrachloride	16.92	NA	<	0.02
15	1,2-Dichloroethane	15.42	NA	<	0.06
16	Trichloroethene	19.30	NA	<	0.03
17	1,2-dichloropropane	19.16	NA	<	0.08
18	Bromodichloromethane	19.42	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.64	NA	<	0.07
20	cis-1,3-dichloropropene	20.92	NA	<	0.01
21	Trans-1,3-dichloropropene	21.73	NA	<	0.02
22	1,1,2-trichloroethane	21.91	NA	<	0.07
23	Tetrachloroethene	23.17	NA	<	0.07
24	Dibromochloromethane	22.58	NA	<	0.03
25	Bromoform	24.55	NA	<	0.02
26	1,1,2,2-tetrachloroethane	24.90	NA	<	0.04
28	Benzene	17.12	NA	<	0.02
29	Toluene	22.17	NA	<	0.05
60	Ethylbenzene	24.25	NA	<	0.04
61	p&m - Xylene	24.48	NA	<	0.05
63	o - Xylene	24.89	NA	<	0.04
73	1,3-dichlorobenzene	26.53	NA	<	0.24
75	1,4-dichlorobenzene	26.60	NA	<	0.16
77	1,2-dichlorobenzene	26.94	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.69	12.69	19.31	96.55	80-120
43	1,4-Dichlorobutane (s)	24.88	24.87	21.47	107.35	80-120
78	2-Bromochlorobenzene (S)	28.23	28.23	19.22	96.1	80-120
83	aaa-Trifluorotoluene (s)	20.10	20.09	17.29	86.45	80-120

B = Found in the Blank
NA = Not Applicable
J = Detected Below MDL
E = Estimated Value

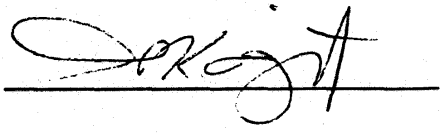
Stream Water Analysis
October 1996

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	F.Coliform CFU	Salinity g/Kg
2178.1	10/8/96	1	8.31	0.76	2.10	1.33	27.0	9.5	5400	190	0.46
2178.2	10/8/96	2	7.08	0.80	2.40	1.09	24.0	9.0	4500	160	0.13
2178.3	10/8/96	3	7.56	1.02	1.80	1.29	36.0	9.5	3400	150	0.37
2178.4	10/8/96	4	7.17	1.28	1.80	0.60	240.0	7.5	6700	320	3.18
2178.5	10/8/96	5	7.40	1.40	1.90	0.74	280.0	7.4	6000	6600	2.78
2178.6	10/8/96	6	7.41	1.40	2.20	0.48	250.0	7.4	5200	270	2.63
2178.7	10/8/96	7	7.50	1.64	2.10	0.67	860.0	4.7	1800	190	10.83
2178.8	10/8/96	8	7.65	0.92	2.20	0.38	55.0	7.0	2000	260	0.53
2178.9	10/8/96	9	7.81	1.04	2.20	0.38	150.0	6.9	9700	170	0.88
2178.10	10/8/96	10	8.15	0.45	1.70	0.35	20.0	9.9	1850	690	0.14

g/Kg = parts per thousand
mg/L – parts per million
cfu = colony forming units
ND = Not detected

Technician: S.J. Hubbard

Completed:10/21/96
Reviewed: 11/04/96



Daniel K. Wright

Laboratory Director

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: Streams/4th Qtr.

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site 22	2223.01	Aqueous	25-Nov-96 09:15	11/25/96
Stream Site 21	2223.02	Aqueous	25-Nov-96 09:30	11/25/96
Stream Site 20	2223.03	Aqueous	25-Nov-96 09:45	11/25/96
Stream Site 09	2223.04	Aqueous	25-Nov-96 10:00	11/25/96
Stream Site 19	2223.05	Aqueous	25-Nov-96 10:15	11/25/96
Stream Site 12	2223.06	Aqueous	25-Nov-96 10:30	11/25/96
Stream Site 18	2223.07	Aqueous	25-Nov-96 10:40	11/25/96
Stream Site 11	2223.08	Aqueous	25-Nov-96 11:00	11/25/96
Stream Site 15	2223.09	Aqueous	25-Nov-96 11:10	11/25/96
Stream Site 16	2223.10	Aqueous	25-Nov-96 11:20	11/25/96
Stream Site 07	2223.11	Aqueous	25-Nov-96 11:35	11/25/96
Stream Site 04	2223.12	Aqueous	25-Nov-96 11:50	11/25/96
Stream Site 17	2223.13	Aqueous	25-Nov-96 12:15	11/25/96
Stream Site 05	2223.14	Aqueous	25-Nov-96 12:00	11/25/96
Stream Site 03	2223.15	Aqueous	Not Sampled	11/25/96
Stream Site 14	2223.16	Aqueous	25-Nov-96 12:45	11/25/96
Stream Site 13	2223.17	Aqueous	25-Nov-96 13:00	11/25/96

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Bhaskar M. Lt
For Daniel Wright
12/10/96
Daniel Wright/Date
Laboratory Director

U.S. ARMY FORT MONMOUTH

P.O. #: 45-00722

Chain of Custody

Project #:	Sampler: Scott Wagenman	Date / Time 11/25/96 0800	Start:
Customer: U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Site Name: Stream Sampling November '96	Analysis Parameters	Finish:
Phone:			

Lab Sample ID Number	Date/Time	Customer Sample Location/ID Number	Sample Matrix	# of Bottles	Temp °C	pH	Dissolved O2 (ppm)	Salinity %	NH3	NO2 NO3 SO4	VOA's	Remarks	Preservation Method
2223 -1	11/25/96 0915	Stream site #22	Water	5	5.8	8.68	11.0	22	X	X	X	All Samples Kept	≤ 4°C
-2	0930	#21			6.5	8.50	8.4	20				NH_3 has H_2SO_4	
-3	0945	#20			6.8	8.43	7.2	21				VOA's have HCl	
-4	1000	#9			8.6	7.99	6.7	8				17 - 250 ml Plastic	-3.0 height
-5	1015	#19			7.9	6.68	6.5	2				17 - 500 ml Plastic	
-6	1030	#14			8.1	6.92	5.5	1				17 - 250 ml BOD Glass	
-7	1040	#18			9.3	7.05	5.7	1				36 - 40 ml VOA Bottles	
-8	1100	#11			10.5	6.55	5.7	1					
-9	1110	#15			8.2	6.83	6.8	1					
-10	1120	#16			8.8	6.96	6.1	3					-3.5' height
-11	1135	#7			7.0	7.27	5.5	14					

Relinquished By (signature)	Date / Time	Received By (signature)	Shipped By:
Reg. Rth.	11/25/96 1315	Sarah S. Hubbard	
Relinquished By (signature)	**Date / Time**	**Received for Lab by (signature):**	**Date / Time**

Note: A drawing depicting sample location should be attached or drawn on the reverse side of this chain of custody.

Enviornmental Laboratory

Certification Number 13[illegible]1

U.S. ARMY FORT MONMOUTH

P.O. #: 45-00722

Chain of Custody

Project #:	Sampler: Scott / Meyer	Date / Time 11/25/96 | 0800	Analysis Parameters
Customer: U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Site Name: Storm Sampling November 96'		Start:
Phone:			Finish:

Preservation Method

Lab Sample ID Number	Date/Time	Customer Sample Location/ID Number	Sample Matrix	# of Bottles		IC 4°C	pH	Dissolved Cd (647)	Sulfide NaOH	Nitrate HNO_3	Nitrite H_2SO_4	Total Phos H_2SO_4	Remarks
L223	11/25/96 1150	Storm site #4	Water	5		8.8	7.33	7.4	5	X	X	X	All Samples kept ≤ 4°C
#3	1215	#17			*	8.8	7.11	7.1	5				16 HNO_3 for H_2SO_4
#2	1200	#5				9.0	7.17	6.1	5				Lab's have ALT
#15	~~1255~~ did not sample	#3			*	—	—	—	—				16 - Used not Analyzed
#16	1245	#14				10.3	7.42	6.1	1				16 - Sent not Analyzed
#17	1300	#13				9.3	7.29	5.7	1				16 Saved 2 Glass
x	0800	Trip Blank		2									3 4 Vials Used Bottles
#19	0845	Field Blank		2									

Relinquished By (signature)	Date / Time	Received By (signature)	Shipped By:
	11/25/96 | 1315	Sarah J. Hubbard	
Relinquished By (signature)	**Date / Time**	**Received for Lab by (signature):**	**Date / Time**

Note: A drawing depicting sample location should be attached or drawn on the reverse side of this chain of custody.

SAI-ENV COC form 01 Page 2 of 2 Pages Rev. A Date: 02 Apr 93

Enviornmental Laboratory

(*) - Lab is #L27

[*] - New lock Key did not work Aborted sampling

Certification Number 13461

601/602 Analysis Data Sheet

Sample I.D.: **M. Blank**
Misc. ID:
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 120902.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.20	2.99 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	NA	<	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	NA	<	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.30	20.70	103.5	80-120
43	1,4-Dichlorobutane (s)	24.75	24.76	19.72	98.6	80-120
78	2-Bromochlorobenzene (S)	28.10	28.11	21.41	107.05	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.91	19.66	98.3	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.1**
Misc. ID: **Site #22**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 120906.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.13	3.15 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	19.13	0.11	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	23.05	0.21	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.68	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.32	19.92	99.6	80-120
43	1,4-Dichlorobutane (s)	24.75	24.75	20.03	100.15	80-120
78	2-Bromochlorobenzene (S)	28.10	28.10	20.28	101.4	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.91	20.95	104.75	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.2**
Misc. ID: **Site #21**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 120907.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.12	2.59 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	NA	<	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	23.05	0.41	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.31	20.54	102.7	80-120
43	1,4-Dichlorobutane (s)	24.75	24.75	18.50	92.5	80-120
78	2-Bromochlorobenzene (S)	28.10	28.10	20.13	100.65	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	20.87	104.35	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.3**
Misc. ID: **Site #20**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 120908.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.10	2.77 B	0.11
9	Trans-1,2 dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	NA	<	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	23.05	0.22	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.30	19.50	97.5	80-120
43	1,4-Dichlorobutane (s)	24.75	24.75	21.78	108.9	80-120
78	2-Bromochlorobenzene (S)	28.10	28.10	20.56	102.8	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	20.91	104.55	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.4**
Misc. ID: **Site #9**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 120909.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.12	3.17 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	19.07	0.49	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	23.03	0.20	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.30	19.94	99.7	80-120
43	1,4-Dichlorobutane (s)	24.75	24.75	21.42	107.1	80-120
78	2-Bromochlorobenzene (S)	28.10	28.09	20.30	101.5	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	20.24	101.2	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.5**
Misc. ID: **Site #19**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 1209010.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.13	3.21 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	19.07	0.97	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	23.05	0.25	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.29	20.23	101.15	80-120
43	1,4-Dichlorobutane (s)	24.75	24.75	19.77	98.85	80-120
78	2-Bromochlorobenzene (S)	28.10	28.10	18.14	90.7	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	20.45	102.25	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.6**
Misc. ID: **Site #12**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 1209011.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.13	2.73 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	19.07	0.83	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	23.04	0.26	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.29	20.75	103.75	80-120
43	1,4-Dichlorobutane (s)	24.75	24.75	20.69	103.45	80-120
78	2-Bromochlorobenzene (S)	28.10	28.10	18.52	92.6	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	21.20	106	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.7**
Misc. ID: **Site #18**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 1209012.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.12	3.24 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	19.06	0.89	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	23.05	0.25	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.29	19.23	96.15	80-120
43	1,4-Dichlorobutane (s)	24.75	24.75	19.28	96.4	80-120
78	2-Bromochlorobenzene (S)	28.10	28.10	19.02	95.1	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	20.98	104.9	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.8**
Misc. ID: **Site #11**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 1209013.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.12	2.91 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	19.06	2.11	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	23.05	0.49	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.29	18.50	92.5	80-120
43	1,4-Dichlorobutane (s)	24.75	24.75	18.29	91.45	80-120
78	2-Bromochlorobenzene (S)	28.10	28.10	19.70	98.5	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	21.13	105.65	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.9**
Misc. ID: **Site #15**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 1209014.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.13	2.98 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	19.07	2.54	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	23.04	10.38	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.29	19.51	97.55	80-120
43	1,4-Dichlorobutane (s)	24.75	24.75	18.63	93.15	80-120
78	2-Bromochlorobenzene (S)	28.10	28.10	19.21	96.05	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	20.95	104.75	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.10**
Misc. ID: **Site #16**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 1209015.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.12	3.16 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	19.05	2.24	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	23.04	8.20	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.28	20.39	101.95	80-120
43	1,4-Dichlorobutane (s)	24.75	24.75	18.91	94.55	80-120
78	2-Bromochlorobenzene (S)	28.10	28.10	19.56	97.8	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	20.68	103.4	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.11**
Misc. ID: **Site #7**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 1209017.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.61
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.10	3.31 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	19.05	0.46	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	23.05	1.87	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.29	20.91	104.55	80-120
43	1,4-Dichlorobutane (s)	24.75	24.75	21.14	105.7	80-120
78	2-Bromochlorobenzene (S)	28.10	28.09	19.67	98.35	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	20.56	102.8	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.12**
Misc. ID: **Site #4**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 1209018.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.11	3.03 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	19.06	1.60	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	23.04	6.26	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.29	20.43	102.15	80-120
43	1,4-Dichlorobutane (s)	24.75	24.75	20.51	102.55	80-120
78	2-Bromochlorobenzene (S)	28.10	28.09	19.05	95.25	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	21.26	106.3	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.13**
Misc. ID: **Site #17**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 1209019.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.10	2.94 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	19.07	0.67	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	23.04	2.77	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.27	19.25	96.25	80-120
43	1,4-Dichlorobutane (s)	24.75	24.75	20.95	104.75	80-120
78	2-Bromochlorobenzene (S)	28.10	28.09	19.08	95.4	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	21.18	105.9	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.14**
Misc. ID: **Site #5**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 1209020.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.10	3.08 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	19.06	1.86	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	23.05	7.53	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.28	20.45	102.25	80-120
43	1,4-Dichlorobutane (s)	24.75	24.75	21.27	106.35	80-120
78	2-Bromochlorobenzene (S)	28.10	28.09	19.91	99.55	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	21.05	105.25	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.16**
Misc. ID: **Site #14**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 1209021.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.11	3.81 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	NA	<	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	NA	<	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.28	20.76	103.8	80-120
43	1,4-Dichlorobutane (s)	24.75	24.74	19.61	98.05	80-120
78	2-Bromochlorobenzene (S)	28.10	28.09	19.64	98.2	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	21.60	108	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.17**
Misc. ID: **Site #13**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 1209022.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.12	2.72 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	NA	<	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	NA	<	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.28	20.41	102.05	80-120
43	1,4-Dichlorobutane (s)	24.75	24.74	20.89	104.45	80-120
78	2-Bromochlorobenzene (S)	28.10	28.09	19.42	97.1	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	21.15	105.75	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.18**
Misc. ID: **T. Blank**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 1209023.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R T	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.10	2.76 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	NA	<	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	NA	<	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.[illegible]	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.28	20.76	103.8	80-120
43	1,4-Dichlorobutane (s)	24.75	24.75	19.73	98.65	80-120
78	2-Bromochlorobenzene (S)	28.10	28.09	19.78	98.9	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	21.53	107.65	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

601/602 Analysis Data Sheet

Sample I.D.: **2223.19**
Misc. ID: **F. Blank**
Date Analyzed: **12/09/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract: **9600**
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2.MTH**
Wt/Vol.: **5 ml** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\ 1209024.D

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
1	Dichlorodifluoromethane	3.56	NA	<	1.81
2	Chloromethane	3.62	NA	<	0.04
3	Vinyl Chloride	3.94	NA	<	0.13
4	Bromomethane	4.50	NA	<	0.08
5	Chloromethane	4.74	NA	<	0.09
6	Trichlorofluoromethane	5.79	NA	<	0.08
7	1,1-Dichloroethene	6.79	NA	<	0.12
8	Methylene Chloride	7.11	7.12	2.97 B	0.11
9	Trans-1,2-dichloroethene	8.86	NA	<	0.04
10	1,1-Dichloroethane	9.62	NA	<	0.06
12	Chloroform	12.60	NA	<	0.03
13	1,1,1-trichloroethane	15.37	NA	<	0.02
14	Carbon tetrachloride	16.61	NA	<	0.09
15	1,2-Dichloroethane	15.09	NA	<	0.02
16	Trichloroethene	19.07	NA	<	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.18	NA	<	0.08
31	2-Chloroethylvinyl Ether	20.76	NA	<	0.13
20	cis-1,3-dichloropropene	20.76	NA	<	0.08
21	Trans-1,3-dichloropropene	21.59	NA	<	0.07
22	1,1,2-trichloroethane	21.77	NA	<	0.01
23	Tetrachloroethene	23.05	NA	<	0.02
24	Dibromochloromethane	22.45	NA	<	0.07
25	Bromoform	23.88	NA	<	0.07
26	1,1,2,2-tetrachloroethane	24.79	NA	<	0.03
28	Benzene	16.80	NA	<	0.02
29	Toluene	22.04	NA	<	0.04
60	Ethylbenzene	24.13	NA	<	0.04
61	p&m - Xylene	24.36	NA	<	0.05
63	o - Xylene	24.78	NA	<	0.04
73	1,3-dichlorobenzene	26.42	NA	<	0.24
75	1,4-dichlorobenzene	26.49	NA	<	0.16
77	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:

					% Recovery	Limit
33	Bromochloromethane (s)	12.31	12.28	19.96	99.8	80-120
43	1,4-Dichlorobutane (s)	24.75	24.75	19.90	99.5	80-120
78	2-Bromochlorobenzene (S)	28.10	28.10	21.34	106.7	80-120
83	aaa-Trifluorotoluene (s)	19.90	19.90	21.58	107.9	80-120

B = Found in Blank
MDL = Method Detction Limit
NA = Not Applicable
J = Detected Below MDL

Stream Water Analysis
November 1996

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)
2223.1	11/25/96	22	8.68	0.24	2.70	0.02	1400.0	11.0	280	0
2223.2	11/25/96	21	8.50	0.27	5.30	0.06	850.0	8.4	60	20
2223.3	11/25/96	20	8.47	0.26	3.80	0.01	1600.0	7.2	50	20
2223.4	11/25/96	9	7.97	0.81	4.80	0.05	22.0	6.7	440	20
2223.5	11/25/96	19	6.68	0.57	1.30	2.03	23.0	6.5	170	20
2223.6	11/25/96	12	6.92	0.60	1.50	0.45	24.0	5.5	630	0
2223.7	11/25/96	18	7.05	0.52	1.50	0.48	22.0	5.7	290	40
2223.8	11/25/96	11	6.55	1.57	1.30	0.99	20.0	5.7	310	10
2223.9	11/25/96	15	6.89	1.70	2.80	0.08	28.0	6.8	160	40
2223.10	11/25/96	16	6.99	1.39	1.40	0.05	87.0	6.1	150	20
2223.11	11/25/96	7	7.27	1.19	1.50	0.03	175.0	5.5	150	50
2223.12	11/25/96	4	7.33	1.64	1.20	0.03	2125.0	7.4	140	50
2223.13	11/25/96	17	7.11	1.65	0.90	0.14	175.0	7.1	310	110
2223.14	11/25/96	5	7.17	1.41	1.40	0.15	200.0	6.1	250	80
2223.16	11/25/96	14	7.42	0.05	1.40	0.14	30.0	6.1	290	100
2223.17	11/25/96	13	7.29	0.65	1.40	0.14	28.0	5.7	130	10

mg/L = parts per million
cfu = colony forming units
ND = Not detected

Completed: 11/27/96
Reviewed: 12/09/96

Daniel K. Wright
Laboratory Director

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: Streams/4th Qtr.

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site 22	2246.01	Aqueous	12-Dec-96 09:20	12/12/96
Stream Site 21	2246.02	Aqueous	12-Dec-96 09:35	12/12/96
Stream Site 20	2246.03	Aqueous	12-Dec-96 09:45	12/12/96
Stream Site 09	2246.04	Aqueous	12-Dec-96 09:55	12/12/96
Stream Site 19	2246.05	Aqueous	12-Dec-96 10:05	12/12/96
Stream Site 12	2246.06	Aqueous	12-Dec-96 10:25	12/12/96
Stream Site 18	2246.07	Aqueous	12-Dec-96 10:40	12/12/96
Stream Site 11	2246.08	Aqueous	12-Dec-96 10:55	12/12/96
Stream Site 15	2246.09	Aqueous	12-Dec-96 11:10	12/12/96
Stream Site 16	2246.10	Aqueous	12-Dec-96 11:20	12/12/96
Stream Site 07	2246.11	Aqueous	12-Dec-96 11:35	12/12/96
Stream Site 04	2246.12	Aqueous	12-Dec-96 11:45	12/12/96
Stream Site 17	2246.13	Aqueous	12-Dec-96 12:25	12/12/96
Stream Site 05	2246.14	Aqueous	12-Dec-96 11:55	12/12/96
Stream Site 03	2246.15	Aqueous	Not Sampled	12/12/96
Stream Site 14	2246.16	Aqueous	12-Dec-96 12:30	12/12/96
Stream Site 13	2246.17	Aqueous	12-Dec-96 12:45	12/12/96

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Per Daniel Wright 12/18/96
Daniel Wright/Date
Laboratory Director

U.S. ARMY FORT MONMOUTH

P.O. #: 44-60748

Chain of Custody

Project #:	Sampler: Ray Paywist	Date / Time 12-12-96 0900	Analysis Parameters
Customer: U.S. ARMY DPW SEIFAM-PW-EV Ft MonMonMouth	Site Name: STREAM Sampling DeC 96		Start:
Phone:			Finish:

Lab Sample ID Number	Date/Time	Customer Sample Location/ID Number	Sample Matrix	# of Bottles	Temp °C	pH	Dissolved Oxygen	Salinity %	NH_3	NO_3 PO_4 SO_4	Lab Microbio	Preservation Method	Remarks
2246 .1	12/12/96	920 STream site 22	AQUA	5	7.7	5.51	6.2	15					All Samples kept ≤ 4°C
.2		935 21			6.4	6.77	6.3	15					NH_3 NO_3 H_2SO_4
.3		945 20			6.2	7.02	6.4	15					17 250ml Plastic
.4		955 19			7.0	7.34	5.1	5					17 500ml Plastic
.5		1005 17			6.9	7.90	4.5	2					17 300ml BOD Glass
.6		1015 12 Mouth			7.5	7.28	3.3	1					36 VOA 40ml Glass
.7		1040 18			8.7	11.30	3.8	1					
.8		1055 11			9.3	9.54	3.7	1					Note Drained overnight
.9		1110 15			7.5	5.53	3.46	1					Cooling during sampling
.10		1120 16 Mouth			7.4	3.13	3.11	1					
.11		1135 7			6.8	7.58	6.8	9					

Relinquished By (signature)	Date / Time	Received By (signature)	Shipped By:
Scott Gilliland	12-12-96 1300	Jeff Lit	Cooler
Relinquished By (signature)	**Date / Time**	**Received for Lab by (signature):**	**Date / Time**

Note: A drawing depicting sample location should be attached or drawn on the reverse side of this chain of custody.

Enviornmental Laboratory

U.S. ARMY FORT MONMOUTH

P.O. #: 44-00748

Chain of Custody

Project #:	Sampler: Ray Pogwist	Date / Time 12-12-96 0900	Analysis Parameters
Customer: U.S. ARMY DPW SelFM-PW-ENV Ft. MonMouth	Site Name: STream Sampling Dec 96		Start:
Phone:			Finish:

Lab Sample ID Number	Date/Time		Customer Sample Location/ID Number	Sample Matrix	# of Bottles	Temp °C	pH	Dissolved O2 (per)	Salinity	NH3	NO3 PO4 SO4	VOA's, Microbio	Remarks	Preservation Method
22446 -12	12/12/96	1145	STream site # 4	AQUA	5	7.2	7.35	6.1	5	x	x	x	All Samples Kept ≤ 4°C	
-13	12/12/96	~~455~~ 1125	# 17			7.2	7.55	6.1	2				NH3 by H2SO4	
-14		1155	# 5			7.3	7.65	6.1	2				VOA's Have HCl	
-15		could	not Sample # 3 No Tee										17 250 ml Plastic	
-16		1230	# 14			8.0	8.6	6.3	0				17 Second Plastic	
-17		1245	# 13		↓	7.7	7.57	6.1	0	↓	↓	↓	17 Second GLD Glass	
-18		0800	Trip Blank		2							VOA	36 VOA 40ml Bottles	
-19	↓	1315	Field Blank	↓	2							VOA		

Relinquished By (signature)	Date / Time	Received By (signature)	Shipped By:
Beth Gerrity	12-13-96 1300	[illegible]	Cooler
Relinquished By (signature)	Date / Time	Received for Lab by (signature):	Date / Time

Note: A drawing depicting sample location should be attached or drawn on the reverse side of this chain of custody.

Enviornmental Laboratory

MST - [illegible]

601/602 Analysis Data Sheet

Sample I.D.: **Blank**
Misc. ID:
Date Analyzed: **12/17/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract:
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2A.MTH**
Wt/Vol.: **5 mL** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\121706.D\

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
	Method 601				
1	Dichlorodifluoromethane	3.56	NA	<	0.04
2	Chloromethane	3.66	NA	<	0.13
3	Vinyl Chloride	3.99	NA	<	0.08
4	Bromomethane	4.51	NA	<	0.09
5	Chloroethane	4.77	NA	<	0.08
6	Trichlorofluoromethane	5.82	NA	<	0.12
7	1,1-dichloroethene	6.79	NA	<	0.11
8	Methylene Chloride	7.15	7.18	7.05	0.04
9	Trans-1,2-dichloroethene	8.85	NA	<	0.06
10	1,1-Dichloroethane	9.61	NA	<	0.08
12	Chloroform	12.61	NA	<	0.03
13	1,1,1-trichloroethane	15.38	NA	<	0.02
14	Carbon tetrachloride	16.62	NA	<	0.09
15	1,2-Dichloroethane	15.10	NA	<	0.02
16	Trichloroethene	19.08	NA	<	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.19	NA	<	0.08
31	2 Chloroethylvinyl ether	20.48	NA	<	0.08
19	cis-1,3-dichloropropene	20.76	NA	<	0.07
20	Trans-1,3-dichloropropene	21.59	NA	<	0.01
21	1,1,2-trichloroethane	21.78	NA	<	0.02
22	Tetrachloroethene	23.05	NA	<	0.07
23	Dibromochloromethane	22.46	NA	<	0.07
25	Bromoform	24.43	NA	<	0.03
27	1,1,2,2-tetrachloroethane	24.79	NA	<	0.02
	Method 602				
38	Benzene	16.82	NA	<	0.05
41	Toluene	22.04	NA	<	0.04
44	Chlorobenzene	23.87	NA	<	0.04
45	Ethylbenzene	24.14	NA	<	0.05
46	p&m-Xylene	24.37	NA	<	0.04
47	o-Xylene	24.78	NA	<	0.24
48	1,3-dichlorobenzene	26.43	NA	<	0.16
49	1,4-dichlorobenzene	26.50	NA	<	0.18
50	1,2-dichlorobenzene	26.83	NA	<	0.18
Surrogate Recovery:					**% Recovery**
11	Bromochloromethane	12.31	12.25	20.74	103.69
26	1,4-Dichlorobutane	24.76	24.75	22.00	110.02
32	2-Bromochlorobenzene	28.11	28.09	20.00	100.01
52	aaa-Trifluorotoluene	19.91	19.90	17.87	89.36

Last Cal. Update: Wed Dec 18 12:40:01 1996

601/602 Analysis Data Sheet

Sample I.D.: 2246.1
Misc. ID: Site # 22
Date Analyzed: 12/17/96

Lab Name: Fort Monmouth Environmental Testiong Lab. Contract:
Lab Code: 13461 Case No.:
Matrix: Water Method: 601_2A.MTH
Wt/Vol.: 5 mL Dilution Factor: 1
File: C:\HPCHEM\6\DATA\121707.D\

Results:
Concentration Units: ug/L

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
	Method 601				
1	Dichlorodifluoromethane	3.56	NA	<	0.04
2	Chloromethane	3.66	NA	<	0.13
3	Vinyl Chloride	3.99	NA	<	0.08
4	Bromomethane	4.51	NA	<	0.09
5	Chloroethane	4.77	NA	<	0.08
6	Trichlorofluoromethane	5.82	NA	<	0.12
7	1,1-dichloroethene	6.79	NA	<	0.11
8	Methylene Chloride	7.15	7.17	3.00	0.04
9	Trans-1,2-dichloroethene	8.85	NA	<	0.06
10	1,1-Dichloroethane	9.61	NA	<	0.08
12	Chloroform	12.61	NA	<	0.03
13	1,1,1-trichloroethane	15.38	NA	<	0.02
14	Carbon tetrachloride	16.62	NA	<	0.09
15	1,2-Dichloroethane	15.10	NA	<	0.02
16	Trichloroethene	19.08	NA	<	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.19	NA	<	0.08
31	2 Chloroethylvinyl ether	20.48	NA	<	0.08
19	cis-1,3-dichloropropene	20.76	NA	<	0.07
20	Trans-1,3-dichloropropene	21.59	NA	<	0.01
21	1,1,2-trichloroethane	21.78	NA	<	0.02
22	Tetrachloroethene	23.05	23.04	0.11	0.07
23	Dibromochloromethane	22.46	NA	<	0.07
25	Bromoform	24.43	NA	<	0.03
27	1,1,2,2-tetrachloroethane	24.79	NA	<	0.02
	Method 602				
38	Benzene	16.82	NA	<	0.05
41	Toluene	22.04	NA	<	0.04
44	Chlorobenzene	23.87	NA	<	0.04
45	Ethylbenzene	24.14	NA	<	0.05
46	p&m-Xylene	24.37	NA	<	0.04
47	o-Xylene	24.78	NA	<	0.24
48	1,3-dichlorobenzene	26.43	NA	<	0.16
49	1,4-dichlorobenzene	26.50	NA	<	0.18
50	1,2-dichlorobenzene	26.83	NA	<	0.18
Surrogate Recovery:					% Recovery
11	Bromochloromethane	12.31	12.28	21.57	107.83
26	1,4-Dichlorobutane	24.76	24.75	22.02	110.11
32	2-Bromochlorobenzene	28.11	28.10	18.25	91.24
52	aaa-Trifluorotoluene	19.91	19.90	18.46	92.29

Last Cal. Update: Wed Dec 18 12:40:01 1996

601/602 Analysis Data Sheet

Sample I.D.: 2246.2
Misc. ID: Site # 21
Date Analyzed: 12/17/96

Lab Name: Fort Monmouth Environmental Testiong Lab. Contract:
Lab Code: 13461 Case No.:
Matrix: Water Method: 601_2A.MTH
Wt/Vol.: 5 mL Dilution Factor: 1
File: C:\HPCHEM\6\DATA\121708.D\

Results:
Concentration Units: ug/L

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
	Method 601				
1	Dichlorodifluoromethane	3.56	NA	<	0.04
2	Chloromethane	3.66	NA	<	0.13
3	Vinyl Chloride	3.99	NA	<	0.08
4	Bromomethane	4.51	NA	<	0.09
5	Chloroethane	4.77	NA	<	0.08
6	Trichlorofluoromethane	5.82	NA	<	0.12
7	1,1-dichloroethene	6.79	NA	<	0.11
8	Methylene Chloride	7.15	7.10	2.68	0.04
9	Trans-1,2-dichloroethene	8.85	NA	<	0.06
10	1,1-Dichloroethane	9.61	NA	<	0.08
12	Chloroform	12.61	NA	<	0.03
13	1,1,1-trichloroethane	15.38	NA	<	0.02
14	Carbon tetrachloride	16.62	NA	<	0.09
15	1,2-Dichloroethane	15.10	NA	<	0.02
16	Trichloroethene	19.08	NA	<	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.19	NA	<	0.08
31	2 Chloroethylvinyl ether	20.48	NA	<	0.08
19	cis-1,3-dichloropropene	20.76	NA	<	0.07
20	Trans-1,3-dichloropropene	21.59	NA	<	0.01
21	1,1,2-trichloroethane	21.78	NA	<	0.02
22	Tetrachloroethene	23.05	23.04	0.19	0.07
23	Dibromochloromethane	22.46	NA	<	0.07
25	Bromoform	24.43	NA	<	0.03
27	1,1,2,2-tetrachloroethane	24.79	NA	<	0.02
	Method 602				
38	Benzene	16.82	NA	<	0.05
41	Toluene	22.04	NA	<	0.04
44	Chlorobenzene	23.87	NA	<	0.04
45	Ethylbenzene	24.14	NA	<	0.05
46	p&m-Xylene	24.37	NA	<	0.04
47	o-Xylene	24.78	NA	<	0.24
48	1,3-dichlorobenzene	26.43	NA	<	0.16
49	1,4-dichlorobenzene	26.50	NA	<	0.18
50	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery
11	Bromochloromethane	12.31	12.27	20.55	102.73
26	1,4-Dichlorobutane	24.76	24.75	21.91	109.57
32	2-Bromochlorobenzene	28.11	28.10	18.18	90.92
52	aaa-Trifluorotoluene	19.91	19.90	18.52	92.58

Last Cal. Update: Wed Dec 18 12:40:01 1996

601/602 Analysis Data Sheet

Sample I.D.: 2246.3
Misc. ID: Site # 20
Date Analyzed: 12/17/96

Lab Name: Fort Monmouth Environmental Testiong Lab. Contract:
Lab Code: 13461 Case No.:
Matrix: Water Method: 601_2A.MTH
Wt/Vol.: 5 mL Dilution Factor: 1
File: C:\HPCHEM\6\DATA\121709.D\

Results:
Concentration Units: ug/L

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
	Method 601				
1	Dichlorodifluoromethane	3.56	NA	<	0.04
2	Chloromethane	3.66	NA	<	0.13
3	Vinyl Chloride	3.99	NA	<	0.08
4	Bromomethane	4.51	NA	<	0.09
5	Chloroethane	4.77	NA	<	0.08
6	Trichlorofluoromethane	5.82	NA	<	0.12
7	1,1-dichloroethene	6.79	NA	<	0.11
8	Methylene Chloride	7.15	7.12	2.79	0.04
9	Trans-1,2-dichloroethene	8.85	NA	<	0.06
10	1,1-Dichloroethane	9.61	NA	<	0.08
12	Chloroform	12.61	NA	<	0.03
13	1,1,1-trichloroethane	15.38	NA	<	0.02
14	Carbon tetrachloride	16.62	NA	<	0.09
15	1,2-Dichloroethane	15.10	NA	<	0.02
16	Trichloroethene	19.08	NA	<	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.19	NA	<	0.08
31	2 Chloroethylvinyl ether	20.48	NA	<	0.08
19	cis-1,3-dichloropropene	20.76	NA	<	0.07
20	Trans-1,3-dichloropropene	21.59	NA	<	0.01
21	1,1,2-trichloroethane	21.78	NA	<	0.02
22	Tetrachloroethene	23.05	23.05	0.21	0.07
23	Dibromochloromethane	22.46	NA	<	0.07
25	Bromoform	24.43	NA	<	0.03
27	1,1,2,2-tetrachloroethane	24.79	NA	<	0.02
	Method 602				
38	Benzene	16.82	NA	<	0.05
41	Toluene	22.04	NA	<	0.04
44	Chlorobenzene	23.87	NA	<	0.04
45	Ethylbenzene	24.14	NA	<	0.05
46	p&m-Xylene	24.37	NA	<	0.04
47	o-Xylene	24.78	NA	<	0.24
48	1,3-dichlorobenzene	26.43	NA	<	0.16
49	1,4-dichlorobenzene	26.50	NA	<	0.18
50	1,2-dichlorobenzene	26.83	NA	<	0.18
Surrogate Recovery:					**% Recovery**
11	Bromochloromethane	12.31	12.26	20.00	100.01
26	1,4-Dichlorobutane	24.76	24.75	21.48	107.42
32	2-Bromochlorobenzene	28.11	28.09	18.44	92.19
52	aaa-Trifluorotoluene	19.91	19.89	19.16	95.81

Last Cal. Update: Wed Dec 18 12:40:01 1996

601/602 Analysis Data Sheet

Sample I.D.: 2246.4
Misc. ID: Site # 9
Date Analyzed: 12/17/96

Lab Name: Fort Monmouth Environmental Testiong Lab. Contract:
Lab Code: 13461 Case No.:
Matrix: Water Method: 601_2A.MTH
Wt/Vol.: 5 mL Dilution Factor: 1
File: C:\HPCHEM\6\DATA\121710.D\

Results:
Concentration Units: ug/L

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
	Method 601				
1	Dichlorodifluoromethane	3.56	NA	<	0.04
2	Chloromethane	3.66	NA	<	0.13
3	Vinyl Chloride	3.99	NA	<	0.08
4	Bromomethane	4.51	NA	<	0.09
5	Chloroethane	4.77	NA	<	0.08
6	Trichlorofluoromethane	5.82	NA	<	0.12
7	1,1-dichloroethene	6.79	NA	<	0.11
8	Methylene Chloride	7.15	7.09	2.82	0.04
9	Trans-1,2-dichloroethene	8.85	NA	<	0.06
10	1,1-Dichloroethane	9.61	NA	<	0.08
12	Chloroform	12.61	NA	<	0.03
13	1,1,1-trichloroethane	15.38	NA	<	0.02
14	Carbon tetrachloride	16.62	NA	<	0.09
15	1,2-Dichloroethane	15.10	NA	<	0.02
16	Trichloroethene	19.08	19.06	0.44	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.19	NA	<	0.08
31	2 Chloroethylvinyl ether	20.48	NA	<	0.08
19	cis-1,3-dichloropropene	20.76	NA	<	0.07
20	Trans-1,3-dichloropropene	21.59	NA	<	0.01
21	1,1,2-trichloroethane	21.78	NA	<	0.02
22	Tetrachloroethene	23.05	23.03	0.15	0.07
23	Dibromochloromethane	22.46	NA	<	0.07
25	Bromoform	24.43	NA	<	0.03
27	1,1,2,2-tetrachloroethane	24.79	NA	<	0.02
	Method 602				
38	Benzene	16.82	NA	<	0.05
41	Toluene	22.04	NA	<	0.04
44	Chlorobenzene	23.87	NA	<	0.04
45	Ethylbenzene	24.14	NA	<	0.05
46	p&m-Xylene	24.37	NA	<	0.04
47	o-Xylene	24.78	NA	<	0.24
48	1,3-dichlorobenzene	26.43	NA	<	0.16
49	1,4-dichlorobenzene	26.50	NA	<	0.18
50	1,2-dichlorobenzene	26.83	NA	<	0.18
Surrogate Recovery:					**% Recovery**
11	Bromochloromethane	12.31	12.27	19.76	98.79
26	1,4-Dichlorobutane	24.76	24.75	19.41	97.05
32	2-Bromochlorobenzene	28.11	28.09	18.55	92.75
52	aaa-Trifluorotoluene	19.91	19.89	19.22	96.11

Last Cal. Update: Wed Dec 18 12:40:01 1996

601/602 Analysis Data Sheet

Sample I.D.: 2246.5
Misc. ID: Site # 19
Date Analyzed: 12/17/96

Lab Name: Fort Monmouth Environmental Testiong Lab. Contract:
Lab Code: 13461 Case No.:
Matrix: Water Method: 601_2A.MTH
Wt/Vol.: 5 mL Dilution Factor: 1
File: C:\HPCHEM\6\DATA\121711.D\

Results:
Concentration Units: ug/L

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
	Method 601				
1	Dichlorodifluoromethane	3.56	NA	<	0.04
2	Chloromethane	3.66	NA	<	0.13
3	Vinyl Chloride	3.99	NA	<	0.08
4	Bromomethane	4.51	NA	<	0.09
5	Chloroethane	4.77	NA	<	0.08
6	Trichlorofluoromethane	5.82	NA	<	0.12
7	1,1-dichloroethene	6.79	NA	<	0.11
8	Methylene Chloride	7.15	7.11	3.83	0.04
9	Trans-1,2-dichloroethene	8.85	NA	<	0.06
10	1,1-Dichloroethane	9.61	NA	<	0.08
12	Chloroform	12.61	NA	<	0.03
13	1,1,1-trichloroethane	15.38	NA	<	0.02
14	Carbon tetrachloride	16.62	NA	<	0.09
15	1,2-Dichloroethane	15.10	NA	<	0.02
16	Trichloroethene	19.08	19.04	1.03	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.19	NA	<	0.08
31	2 Chloroethylvinyl ether	20.48	NA	<	0.08
19	cis-1,3-dichloropropene	20.76	NA	<	0.07
20	Trans-1,3-dichloropropene	21.59	NA	<	0.01
21	1,1,2-trichloroethane	21.78	NA	<	0.02
22	Tetrachloroethene	23.05	23.03	0.26	0.07
23	Dibromochloromethane	22.46	NA	<	0.07
25	Bromoform	24.43	NA	<	0.03
27	1,1,2,2-tetrachloroethane	24.79	NA	<	0.02
	Method 602				
38	Benzene	19.82	NA	<	0.06
41	Toluene	22.04	NA	<	0.04
44	Chlorobenzene	23.87	NA	<	0.04
45	Ethylbenzene	24.14	NA	<	0.05
46	p&m-Xylene	24.37	NA	<	0.04
47	o-Xylene	24.78	NA	<	0.24
48	1,3-dichlorobenzene	26.43	NA	<	0.16
49	1,4-dichlorobenzene	26.50	NA	<	0.18
50	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery
11	Bromochloromethane	12.31	12.27	19.68	98.38
26	1,4-Dichlorobutane	24.76	24.74	21.83	109.17
32	2-Bromochlorobenzene	28.11	28.09	18.09	90.44
52	aaa-Trifluorotoluene	19.91	19.89	19.88	99.40

Last Cal. Update: Wed Dec 18 12:40:01 1996

601/602 Analysis Data Sheet

Sample I.D.: **2246.6**
Misc. ID: **Site # 12**
Date Analyzed: **12/17/96**

Lab Name: **Fort Monmouth Environmental Testiong Lab.** Contract:
Lab Code: **13461** Case No.:
Matrix: **Water** Method: **601_2A.MTH**
Wt/Vol.: **5 mL** Dilution Factor: **1**
File: C:\HPCHEM\6\DATA\121712.D\

Results:
Concentration Units: **ug/L**

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
	Method 601				
1	Dichlorodifluoromethane	3.56	NA	<	0.04
2	Chloromethane	3.66	NA	<	0.13
3	Vinyl Chloride	3.99	NA	<	0.08
4	Bromomethane	4.51	NA	<	0.09
5	Chloroethane	4.77	NA	<	0.08
6	Trichlorofluoromethane	5.82	NA	<	0.12
7	1,1-dichloroethene	6.79	NA	<	0.11
8	Methylene Chloride	7.15	7.10	2.91	0.04
9	Trans-1,2-dichloroethene	8.85	NA	<	0.06
10	1,1-Dichloroethane	9.61	NA	<	0.08
12	Chloroform	12.61	NA	<	0.03
13	1,1,1-trichloroethane	15.38	NA	<	0.02
14	Carbon tetrachloride	16.62	NA	<	0.09
15	1,2-Dichloroethane	15.10	NA	<	0.02
16	Trichloroethene	19.08	19.05	1.01	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.19	NA	<	0.08
31	2 Chloroethylvinyl ether	20.48	NA	<	0.08
19	cis-1,3-dichloropropene	20.76	NA	<	0.07
20	Trans-1,3-dichloropropene	21.59	NA	<	0.01
21	1,1,2-trichloroethane	21.78	NA	<	0.02
22	Tetrachloroethene	23.05	23.03	0.24	0.07
23	Dibromochloromethane	22.46	NA	<	0.07
25	Bromoform	24.43	NA	<	0.03
27	1,1,2,2-tetrachloroethane	24.79	NA	<	0.02
	Method 602				
38	Benzene	16.82	NA	<	0.05
41	Toluene	22.04	NA	<	0.04
44	Chlorobenzene	23.87	NA	<	0.04
45	Ethylbenzene	24.14	NA	<	0.05
46	p&m-Xylene	24.37	NA	<	0.04
47	o-Xylene	24.78	NA	<	0.24
48	1,3-dichlorobenzene	26.43	NA	<	0.16
49	1,4-dichlorobenzene	26.50	NA	<	0.18
50	1,2-dichlorobenzene	26.83	NA	<	0.18
Surrogate Recovery:					**% Recovery**
11	Bromochloromethane	12.31	12.26	20.08	100.39
26	1,4-Dichlorobutane	24.76	24.74	21.34	106.69
32	2-Bromochlorobenzene	28.11	28.09	18.40	92.00
52	aaa-Trifluorotoluene	19.91	19.89	19.29	96.46

Last Cal. Update: Wed Dec 18 12:40:01 1996

601/602 Analysis Data Sheet

Sample I.D.: 2246.7
Misc. ID: Site # 18
Date Analyzed: 12/18/96

Lab Name: Fort Monmouth Environmental Testiong Lab. Contract:
Lab Code: 13461 Case No.:
Matrix: Water Method: 601_2A.MTH
Wt/Vol.: 5 mL Dilution Factor: 1
File: C:\HPCHEM\6\DATA\121713.D\

Results:
Concentration Units: ug/L

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
	Method 601				
1	Dichlorodifluoromethane	3.56	NA	<	0.04
2	Chloromethane	3.66	NA	<	0.13
3	Vinyl Chloride	3.99	NA	<	0.08
4	Bromomethane	4.51	NA	<	0.09
5	Chloroethane	4.77	NA	<	0.08
6	Trichlorofluoromethane	5.82	NA	<	0.12
7	1,1-dichloroethene	6.79	NA	<	0.11
8	Methylene Chloride	7.15	7.08	3.09	0.04
9	Trans-1,2-dichloroethene	8.85	NA	<	0.06
10	1,1-Dichloroethane	9.61	NA	<	0.08
12	Chloroform	12.61	NA	<	0.03
13	1,1,1-trichloroethane	15.38	NA	<	0.02
14	Carbon tetrachloride	16.62	NA	<	0.09
15	1,2-Dichloroethane	15.10	NA	<	0.02
16	Trichloroethene	19.08	19.05	1.22	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.19	NA	<	0.08
31	2 Chloroethylvinyl ether	20.48	NA	<	0.08
19	cis-1,3-dichloropropene	20.76	NA	<	0.07
20	Trans-1,3-dichloropropene	21.59	NA	<	0.01
21	1,1,2-trichloroethane	21.78	NA	<	0.02
22	Tetrachloroethene	23.05	23.04	0.30	0.07
23	Dibromochloromethane	22.46	NA	<	0.07
25	Bromoform	24.43	NA	<	0.03
27	1,1,2,2-tetrachloroethane	24.79	NA	<	0.02
	Method 602				
38	Benzene	16.82	16.78	0.14	0.05
41	Toluene	22.04	22.03	0.41	0.04
44	Chlorobenzene	23.87	NA	<	0.04
45	Ethylbenzene	24.14	24.12	0.14	0.05
46	p&m-Xylene	24.37	24.35	0.31	0.04
47	o-Xylene	24.78	24.77	0.28	0.24
48	1,3-dichlorobenzene	26.43	NA	<	0.16
49	1,4-dichlorobenzene	26.50	NA	<	0.18
50	1,2-dichlorobenzene	26.83	NA	<	0.18
Surrogate Recovery:					% Recovery
11	Bromochloromethane	12.31	12.26	20.17	100.84
26	1,4-Dichlorobutane	24.76	24.74	20.52	102.58
32	2-Bromochlorobenzene	28.11	28.08	17.11	85.53
52	aaa-Trifluorotoluene	19.91	19.89	19.39	96.95

Last Cal. Update: Wed Dec 18 12:40:01 1996

601/602 Analysis Data Sheet

Sample I.D.: 2246.8
Misc. ID: Site # 11
Date Analyzed: 12/18/96

Lab Name: Fort Monmouth Environmental Testiong Lab. Contract:
Lab Code: 13461 Case No.:
Matrix: Water Method: 601_2A.MTH
Wt/Vol.: 5 mL Dilution Factor: 1
File: C:\HPCHEM\6\DATA\121714.D\

Results:
Concentration Units: ug/L

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
	Method 601				
1	Dichlorodifluoromethane	3.56	NA	<	0.04
2	Chloromethane	3.66	NA	<	0.13
3	Vinyl Chloride	3.99	NA	<	0.08
4	Bromomethane	4.51	NA	<	0.09
5	Chloroethane	4.77	NA	<	0.08
6	Trichlorofluoromethane	5.82	NA	<	0.12
7	1,1-dichloroethene	6.79	NA	<	0.11
8	Methylene Chloride	7.15	7.08	3.45	0.04
9	Trans-1,2-dichloroethene	8.85	NA	<	0.06
10	1,1-Dichloroethane	9.61	NA	<	0.08
12	Chloroform	12.61	NA	<	0.03
13	1,1,1-trichloroethane	15.38	NA	<	0.02
14	Carbon tetrachloride	16.62	NA	<	0.09
15	1,2-Dichloroethane	15.10	NA	<	0.02
16	Trichloroethene	19.08	19.05	2.75	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.19	NA	<	0.08
31	2 Chloroethylvinyl ether	20.48	NA	<	0.08
19	cis-1,3-dichloropropene	20.76	NA	<	0.07
20	Trans-1,3-dichloropropene	21.59	NA	<	0.01
21	1,1,2-trichloroethane	21.78	NA	<	0.02
22	Tetrachloroethene	23.05	23.03	0.60	0.07
23	Dibromochloromethane	22.46	NA	<	0.07
25	Bromoform	24.43	NA	<	0.03
27	1,1,2,2-tetrachloroethane	24.79	NA	<	0.02
	Method 602				
38	Benzene	16.82	16.77	0.12	0.05
41	Toluene	22.04	22.03	0.73	0.04
44	Chlorobenzene	23.87	NA	<	0.04
45	Ethylbenzene	24.14	24.13	0.27	0.05
46	p&m-Xylene	24.37	24.35	0.38	0.04
47	o-Xylene	24.78	24.77	0.29	0.24
48	1,3-dichlorobenzene	26.43	NA	<	0.16
49	1,4-dichlorobenzene	26.50	NA	<	0.18
50	1,2-dichlorobenzene	26.83	NA	<	0.18
Surrogate Recovery:					**% Recovery**
11	Bromochloromethane	12.31	12.26	19.01	95.05
26	1,4-Dichlorobutane	24.76	24.74	20.07	100.36
32	2-Bromochlorobenzene	28.11	28.09	16.91	84.56
52	aaa-Trifluorotoluene	19.91	19.89	19.68	98.38

Last Cal. Update: Wed Dec 18 12:40:01 1996

601/602 Analysis Data Sheet

Sample I.D.: 2246.9
Misc. ID: Site # 15
Date Analyzed: 12/19/96

Lab Name: Fort Monmouth Environmental Testiong Lab. Contract:
Lab Code: 13461 Case No.:
Matrix: Water Method: 601_2A.MTH
Wt/Vol.: 5 mL Dilution Factor: 1
File: C:\HPCHEM\6\DATA\121727.D\

Results:
Concentration Units: ug/L

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
	Method 601				
1	Dichlorodifluoromethane	3.56	NA	<	0.04
2	Chloromethane	3.66	NA	<	0.13
3	Vinyl Chloride	3.99	NA	<	0.08
4	Bromomethane	4.51	NA	<	0.09
5	Chloroethane	4.77	NA	<	0.08
6	Trichlorofluoromethane	5.82	NA	<	0.12
7	1,1-dichloroethene	6.79	NA	<	0.11
8	Methylene Chloride	7.15	7.17	5.51	0.04
9	Trans-1,2-dichloroethene	8.85	NA	<	0.06
10	1,1-Dichloroethane	9.61	NA	<	0.08
12	Chloroform	12.61	NA	<	0.03
13	1,1,1-trichloroethane	15.38	NA	<	0.02
14	Carbon tetrachloride	16.62	NA	<	0.09
15	1,2-Dichloroethane	15.10	NA	<	0.02
16	Trichloroethene	19.08	19.05	1.31	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.19	NA	<	0.08
31	2 Chloroethylvinyl ether	20.48	NA	<	0.08
19	cis-1,3-dichloropropene	20.76	NA	<	0.07
20	Trans-1,3-dichloropropene	21.59	NA	<	0.01
21	1,1,2-trichloroethane	21.78	NA	<	0.02
22	Tetrachloroethene	23.05	23.04	5.63	0.07
23	Dibromochloromethane	22.46	NA	<	0.07
25	Bromoform	24.43	NA	<	0.03
27	1,1,2,2-tetrachloroethane	24.79	NA	<	0.02
	Method 602				
38	Benzene	16.82	NA	<	0.05
41	Toluene	22.04	NA	<	0.04
44	Chlorobenzene	23.87	NA	<	0.04
45	Ethylbenzene	24.14	NA	<	0.05
46	p&m-Xylene	24.37	NA	<	0.04
47	o-Xylene	24.78	NA	<	0.24
48	1,3-dichlorobenzene	26.43	NA	<	0.16
49	1,4-dichlorobenzene	26.50	NA	<	0.18
50	1,2-dichlorobenzene	26.83	NA	<	0.18

Surrogate Recovery:					% Recovery
11	Bromochloromethane	12.31	12.25	22.06	110.31
26	1,4-Dichlorobutane	24.76	24.75	21.55	107.77
32	2-Bromochlorobenzene	28.11	28.10	18.33	91.65
52	aaa-Trifluorotoluene	19.91	19.89	18.31	91.55

Last Cal. Update: Wed Dec 18 12:40:01 1996

601/602 Analysis Data Sheet

Sample I.D.: 2246.10
Misc. ID: Site # 16
Date Analyzed: 12/19/96

Lab Name: Fort Monmouth Environmental Testiong Lab. Contract:
Lab Code: 13461 Case No.:
Matrix: Water Method: 601_2A.MTH
Wt/Vol.: 5 mL Dilution Factor: 1
File: C:\HPCHEM\6\DATA\121728.D\

Results:
Concentration Units: ug/L

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
	Method 601				
1	Dichlorodifluoromethane	3.56	NA	<	0.04
2	Chloromethane	3.66	NA	<	0.13
3	Vinyl Chloride	3.99	NA	<	0.08
4	Bromomethane	4.51	NA	<	0.09
5	Chloroethane	4.77	NA	<	0.08
6	Trichlorofluoromethane	5.82	NA	<	0.12
7	1,1-dichloroethene	6.79	NA	<	0.11
8	Methylene Chloride	7.15	7.13	4.65	0.04
9	Trans-1,2-dichloroethene	8.85	NA	<	0.06
10	1,1-Dichloroethane	9.61	NA	<	0.08
12	Chloroform	12.61	NA	<	0.03
13	1,1,1-trichloroethane	15.38	NA	<	0.02
14	Carbon tetrachloride	16.62	NA	<	0.09
15	1,2-Dichloroethane	15.10	NA	<	0.02
16	Trichloroethene	19.08	19.05	1.00	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.19	NA	<	0.08
31	2 Chloroethylvinyl ether	20.48	NA	<	0.08
19	cis-1,3-dichloropropene	20.76	NA	<	0.07
20	Trans-1,3-dichloropropene	21.59	NA	<	0.01
21	1,1,2-trichloroethane	21.78	NA	<	0.02
22	Tetrachloroethene	23.05	23.04	3.82	0.07
23	Dibromochloromethane	22.46	NA	<	0.07
25	Bromoform	24.43	NA	<	0.03
27	1,1,2,2-tetrachloroethane	24.79	NA	<	0.02
	Method 602				
38	Benzene	16.82	NA	<	0.05
41	Toluene	22.04	NA	<	0.04
44	Chlorobenzene	23.87	NA	<	0.04
45	Ethylbenzene	24.14	NA	<	0.05
46	p&m-Xylene	24.37	NA	<	0.04
47	o-Xylene	24.78	NA	<	0.24
48	1,3-dichlorobenzene	26.43	NA	<	0.16
49	1,4-dichlorobenzene	26.50	NA	<	0.18
50	1,2-dichlorobenzene	26.83	NA	<	0.18
Surrogate Recovery:					**% Recovery**
11	Bromochloromethane	12.31	12.24	20.69	103.46
26	1,4-Dichlorobutane	24.76	24.75	21.28	106.38
32	2-Bromochlorobenzene	28.11	28.10	18.20	90.99
52	aaa-Trifluorotoluene	19.91	19.89	18.34	91.68

Last Cal. Update: Wed Dec 18 12:40:01 1996

601/602 Analysis Data Sheet

Sample I.D.: 2246.11
Misc. ID: Site # 7
Date Analyzed: 12/18/96

Lab Name: Fort Monmouth Environmental Testiong Lab. Contract:
Lab Code: 13461 Case No.:
Matrix: Water Method: 601_2A.MTH
Wt/Vol.: 5 mL Dilution Factor: 1
File: C:\HPCHEM\6\DATA\121721.D\

Results:
Concentration Units: ug/L

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
	Method 601				
1	Dichlorodifluoromethane	3.56	NA	<	0.04
2	Chloromethane	3.66	NA	<	0.13
3	Vinyl Chloride	3.99	NA	<	0.08
4	Bromomethane	4.51	NA	<	0.09
5	Chloroethane	4.77	NA	<	0.08
6	Trichlorofluoromethane	5.82	NA	<	0.12
7	1,1-dichloroethene	6.79	NA	<	0.11
8	Methylene Chloride	7.15	7.18	2.70	0.04
9	Trans-1,2-dichloroethene	8.85	NA	<	0.06
10	1,1-Dichloroethane	9.61	NA	<	0.08
12	Chloroform	12.61	NA	<	0.03
13	1,1,1-trichloroethane	15.38	NA	<	0.02
14	Carbon tetrachloride	16.62	NA	<	0.09
15	1,2-Dichloroethane	15.10	NA	<	0.02
16	Trichloroethene	19.08	NA	<	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.19	NA	<	0.08
31	2 Chloroethylvinyl ether	20.48	NA	<	0.08
19	cis-1,3-dichloropropene	20.76	NA	<	0.07
20	Trans-1,3-dichloropropene	21.59	NA	<	0.01
21	1,1,2-trichloroethane	21.78	NA	<	0.02
22	Tetrachloroethene	23.05	23.05	0.60	0.07
23	Dibromochloromethane	22.46	NA	<	0.07
25	Bromoform	24.43	NA	<	0.03
27	1,1,2,2-tetrachloroethane	24.79	NA	<	0.02
	Method 602				
38	Benzene	16.82	NA	<	0.05
41	Toluene	22.04	NA	<	0.04
44	Chlorobenzene	23.87	NA	<	0.04
45	Ethylbenzene	24.14	NA	<	0.05
46	p&m-Xylene	24.37	NA	<	0.04
47	o-Xylene	24.78	NA	<	0.24
48	1,3-dichlorobenzene	26.43	NA	<	0.16
49	1,4-dichlorobenzene	26.50	NA	<	0.18
50	1,2-dichlorobenzene	26.83	NA	<	0.18
Surrogate Recovery:					**% Recovery**
11	Bromochloromethane	12.31	12.26	20.62	103.10
26	1,4-Dichlorobutane	24.76	24.75	22.74	113.71
32	2-Bromochlorobenzene	28.11	28.10	18.35	91.77
52	aaa-Trifluorotoluene	19.91	19.90	17.34	86.68

Last Cal. Update: Wed Dec 18 12:40:01 1996

601/602 Analysis Data Sheet

Sample I.D.: 2246.12
Misc. ID: Site # 4
Date Analyzed: 12/18/96

Lab Name: Fort Monmouth Environmental Testiong Lab. Contract:
Lab Code: 13461 Case No.:
Matrix: Water Method: 601_2A.MTH
Wt/Vol.: 5 mL Dilution Factor: 1
File: C:\HPCHEM\6\DATA\121722.D\

Results:
Concentration Units: ug/L

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
	Method 601				
1	Dichlorodifluoromethane	3.56	NA	<	0.04
2	Chloromethane	3.66	NA	<	0.13
3	Vinyl Chloride	3.99	NA	<	0.08
4	Bromomethane	4.51	NA	<	0.09
5	Chloroethane	4.77	NA	<	0.08
6	Trichlorofluoromethane	5.82	NA	<	0.12
7	1,1-dichloroethene	6.79	NA	<	0.11
8	Methylene Chloride	7.15	7.20	3.62	0.04
9	Trans-1,2-dichloroethene	8.85	NA	<	0.06
10	1,1-Dichloroethane	9.61	NA	<	0.08
12	Chloroform	12.61	NA	<	0.03
13	1,1,1-trichloroethane	15.38	NA	<	0.02
14	Carbon tetrachloride	16.62	NA	<	0.09
15	1,2-Dichloroethane	15.10	NA	<	0.02
16	Trichloroethene	19.08	19.07	0.75	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.19	NA	<	0.08
31	2 Chloroethylvinyl ether	20.48	NA	<	0.08
19	cis-1,3-dichloropropene	20.76	NA	<	0.07
20	Trans-1,3-dichloropropene	21.59	NA	<	0.01
21	1,1,2-trichloroethane	21.78	NA	<	0.02
22	Tetrachloroethene	23.05	23.05	2.28	0.07
23	Dibromochloromethane	22.46	NA	<	0.07
25	Bromoform	24.43	NA	<	0.03
27	1,1,2,2-tetrachloroethane	24.79	NA	<	0.02
	Method 602				
38	Benzene	16.82	NA	<	0.05
41	Toluene	22.04	NA	<	0.04
44	Chlorobenzene	23.87	NA	<	0.04
45	Ethylbenzene	24.14	NA	<	0.05
46	p&m-Xylene	24.37	NA	<	0.04
47	o-Xylene	24.78	NA	<	0.24
48	1,3-dichlorobenzene	26.43	NA	<	0.16
49	1,4-dichlorobenzene	26.50	NA	<	0.18
50	1,2-dichlorobenzene	26.83	NA	<	0.18
Surrogate Recovery:					**% Recovery**
11	Bromochloromethane	12.31	12.28	21.40	107.02
26	1,4-Dichlorobutane	24.76	24.75	20.59	102.93
32	2-Bromochlorobenzene	28.11	28.10	19.61	98.03
52	aaa-Trifluorotoluene	19.91	19.90	18.03	90.13

Last Cal. Update: Wed Dec 18 12:40:01 1996

601/602 Analysis Data Sheet

Sample I.D.: 2246.13
Misc. ID: Site # 17
Date Analyzed: 12/18/96

Lab Name: Fort Monmouth Environmental Testiong Lab. Contract:
Lab Code: 13461 Case No.:
Matrix: Water Method: 601_2A.MTH
Wt/Vol.: 5 mL Dilution Factor: 1
File: C:\HPCHEM\6\DATA\121723.D\

Results:
Concentration Units: ug/L

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
	Method 601				
1	Dichlorodifluoromethane	3.56	NA	<	0.04
2	Chloromethane	3.66	NA	<	0.13
3	Vinyl Chloride	3.99	NA	<	0.08
4	Bromomethane	4.51	NA	<	0.09
5	Chloroethane	4.77	NA	<	0.08
6	Trichlorofluoromethane	5.82	NA	<	0.12
7	1,1-dichloroethene	6.79	NA	<	0.11
8	Methylene Chloride	7.15	7.20	4.14	0.04
9	Trans-1,2-dichloroethene	8.85	NA	<	0.06
10	1,1-Dichloroethane	9.61	NA	<	0.08
12	Chloroform	12.61	NA	<	0.03
13	1,1,1-trichloroethane	15.38	NA	<	0.02
14	Carbon tetrachloride	16.62	NA	<	0.09
15	1,2-Dichloroethane	15.10	NA	<	0.02
16	Trichloroethene	19.08	19.06	0.27	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.19	NA	<	0.08
31	2 Chloroethylvinyl ether	20.48	NA	<	0.08
19	cis-1,3-dichloropropene	20.76	NA	<	0.07
20	Trans-1,3-dichloropropene	21.59	NA	<	0.01
21	1,1,2-trichloroethane	21.78	NA	<	0.02
22	Tetrachloroethene	23.05	23.05	1.25	0.07
23	Dibromochloromethane	22.46	NA	<	0.07
25	Bromoform	24.43	NA	<	0.03
27	1,1,2,2-tetrachloroethane	24.79	NA	<	0.02
	Method 602				
38	Benzene	16.82	NA	<	0.06
41	Toluene	22.04	NA	<	0.04
44	Chlorobenzene	23.87	NA	<	0.04
45	Ethylbenzene	24.14	NA	<	0.05
46	p&m-Xylene	24.37	NA	<	0.04
47	o-Xylene	24.78	NA	<	0.24
48	1,3-dichlorobenzene	26.43	NA	<	0.16
49	1,4-dichlorobenzene	26.50	NA	<	0.18
50	1,2-dichlorobenzene	26.83	NA	<	0.18
Surrogate Recovery:					**% Recovery**
11	Bromochloromethane	12.31	12.27	21.86	109.32
26	1,4-Dichlorobutane	24.76	24.76	21.92	109.59
32	2-Bromochlorobenzene	28.11	28.11	17.70	88.50
52	aaa-Trifluorotoluene	19.91	19.90	17.45	87.25

Last Cal. Update: Wed Dec 18 12:40:01 1996

601/602 Analysis Data Sheet

Sample I.D.: 2246.14
Misc. ID: Site # 5
Date Analyzed: 12/18/96

Lab Name: Fort Monmouth Environmental Testiong Lab. Contract:
Lab Code: 13461 Case No.:
Matrix: Water Method: 601_2A.MTH
Wt/Vol.: 5 mL Dilution Factor: 1
File: C:\HPCHEM\6\DATA\121724.D\

Results:
Concentration Units: ug/L

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
	Method 601				
1	Dichlorodifluoromethane	3.56	NA	<	0.04
2	Chloromethane	3.66	NA	<	0.13
3	Vinyl Chloride	3.99	NA	<	0.08
4	Bromomethane	4.51	NA	<	0.09
5	Chloroethane	4.77	NA	<	0.08
6	Trichlorofluoromethane	5.82	NA	<	0.12
7	1,1-dichloroethene	6.79	NA	<	0.11
8	Methylene Chloride	7.15	7.20	3.47	0.04
9	Trans-1,2-dichloroethene	8.85	NA	<	0.06
10	1,1-Dichloroethane	9.61	NA	<	0.08
12	Chloroform	12.61	NA	<	0.03
13	1,1,1-trichloroethane	15.38	NA	<	0.02
14	Carbon tetrachloride	16.62	NA	<	0.09
15	1,2-Dichloroethane	15.10	NA	<	0.02
16	Trichloroethene	19.08	19.08	0.71	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.19	NA	<	0.08
31	2 Chloroethylvinyl ether	20.48	NA	<	0.08
19	cis-1,3-dichloropropene	20.76	NA	<	0.07
20	Trans-1,3-dichloropropene	21.59	NA	<	0.01
21	1,1,2-trichloroethane	21.78	NA	<	0.02
22	Tetrachloroethene	23.05	23.05	2.98	0.07
23	Dibromochloromethane	22.46	NA	<	0.07
25	Bromoform	24.43	NA	<	0.03
27	1,1,2,2-tetrachloroethane	24.79	NA	<	0.02
	Method 602				
38	Benzene	16.82	NA	<	0.05
41	Toluene	22.04	NA	<	0.04
44	Chlorobenzene	23.87	NA	<	0.04
45	Ethylbenzene	24.14	NA	<	0.05
46	p&m-Xylene	24.37	NA	<	0.04
47	o-Xylene	24.78	NA	<	0.24
48	1,3-dichlorobenzene	26.43	NA	<	0.16
49	1,4-dichlorobenzene	26.50	NA	<	0.18
50	1,2-dichlorobenzene	26.83	NA	<	0.18
Surrogate Recovery:					**% Recovery**
11	Bromochloromethane	12.31	12.27	19.97	99.87
26	1,4-Dichlorobutane	24.76	24.76	22.28	111.39
32	2-Bromochlorobenzene	28.11	28.11	18.34	91.71
52	aaa-Trifluorotoluene	19.91	19.91	16.78	83.89

Last Cal. Update: Wed Dec 18 12:40:01 1996

601/602 Analysis Data Sheet

Sample I.D.: 2246.16
Misc. ID: Site # 14
Date Analyzed: 12/18/96

Lab Name: Fort Monmouth Environmental Testiong Lab. Contract:
Lab Code: 13461 Case No.:
Matrix: Water Method: 601_2A.MTH
Wt/Vol.: 5 mL Dilution Factor: 1
File: C:\HPCHEM\6\DATA\121725.D\

Results:
Concentration Units: ug/L

Compound #	Compound	Expected R.T.	R.T.	Amount	MDL
	Method 601				
1	Dichlorodifluoromethane	3.56	NA	<	0.04
2	Chloromethane	3.66	NA	<	0.13
3	Vinyl Chloride	3.99	NA	<	0.08
4	Bromomethane	4.51	NA	<	0.09
5	Chloroethane	4.77	NA	<	0.08
6	Trichlorofluoromethane	5.82	NA	<	0.12
7	1,1-dichloroethene	6.79	NA	<	0.11
8	Methylene Chloride	7.15	NA	<	0.04
9	Trans-1,2-dichloroethene	8.85	NA	<	0.06
10	1,1-Dichloroethane	9.61	NA	<	0.08
12	Chloroform	12.61	NA	<	0.03
13	1,1,1-trichloroethane	15.38	NA	<	0.02
14	Carbon tetrachloride	16.62	NA	<	0.09
15	1,2-Dichloroethane	15.10	NA	<	0.02
16	Trichloroethene	19.08	NA	<	0.06
17	1,2-dichloropropane	18.92	NA	<	0.03
18	Bromodichloromethane	19.19	NA	<	0.08
31	2 Chloroethylvinyl ether	20.48	NA	<	0.08
19	cis-1,3-dichloropropene	20.76	NA	<	0.07
20	Trans-1,3-dichloropropene	21.59	NA	<	0.01
21	1,1,2-trichloroethane	21.78	NA	<	0.02
22	Tetrachloroethene	23.05	NA	<	0.07
23	Dibromochloromethane	22.46	NA	<	0.07
25	Bromoform	24.43	NA	<	0.03
27	1,1,2,2-tetrachloroethane	24.79	NA	<	0.02
	Method 602				
38	Benzene	16.82	NA	<	0.05
41	Toluene	22.04	NA	<	0.04
44	Chlorobenzene	23.87	NA	<	0.04
45	Ethylbenzene	24.14	NA	<	0.05
46	p&m-Xylene	24.37	NA	<	0.04
47	o-Xylene	24.78	NA	<	0.24
48	1,3-dichlorobenzene	26.43	NA	<	0.16
49	1,4-dichlorobenzene	26.50	NA	<	0.18
50	1,2-dichlorobenzene	26.83	NA	<	0.18
Surrogate Recovery:					% Recovery
11	Bromochloromethane	12.31	12.24	21.62	108.09
26	1,4-Dichlorobutane	24.76	24.76	20.88	104.38
32	2-Bromochlorobenzene	28.11	28.10	18.41	92.06
52	aaa-Trifluorotoluene	19.91	19.90	17.20	85.98

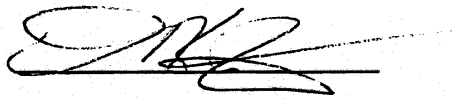
Last Cal. Update: Wed Dec 18 12:40:01 1996

Stream Water Analysis
December1996

Sample ID	Date Sampled	Stream Site#	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphates (mg/L)	Sulfates (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
2246.01	12/12/96	22	5.84	0.67	0.6	0.08	850	6.2	710	47	15
2246.02	12/12/96	21	6.77	0.54	0.9	0.08	750	6.3	890	93	15
2246.03	12/12/96	20	7.02	0.84	0.2	0.04	800	6.4	510	73	15
2246.04	12/12/96	09	7.34	0.79	0.8	0.09	275	5.1	TNTC	470	5
2246.05	12/12/96	19	7.90	0.62	0.5	0.18	22	4.5	TNTC	420	2
2246.06	12/12/96	12	7.28	0.56	0.7	0.36	25	3.3	TNTC	310	1
2246.07	12/12/96	18	11.80	0.62	0.6	0.06	23	3.8	6.70	6.7	1
2246.08	12/12/96	11	9.09	0.88	1.0	0.08	18	3.7	930	140	1
2246.09	12/12/96	15	8.53	1.22	1.7	0.10	30	3.4	580	310	1
2246.10	12/12/96	16	8.13	1.05	1.5	0.08	58	3.19	530	140	1
2246.11	12/12/96	07	7.52	1.14	1.2	0.09	525	6.8	TNTC	320	9
2246.12	12/12/96	04	7.83	1.24	1.1	0.07	450	6.1	TNTC	300	5
2246.13	12/12/96	17	7.53	1.29	1.0	0.11	200	6.1	TNTC	390	2
2246.14	12/12/96	05	7.65	1.37	1.2	0.18	0.75	6.1	830	260	2
2246.15	12/12/96	03	No sample	No sample	No sample	No sample	No sample	No sample	No sample	No sample	No sample
2246.16	12/12/96	14	8.05	0.25	1.3	0.30	27	6.3	TNTC	240	0
2246.17	12/12/96	13	7.87	0.16	1.3	0.16	27	6.1	No sample	No sample	0

mg/L = parts per million
cfu = colony forming units
ND = Not detected
TNTC = Too numerous to count

Completed:12/96
Reviewed: 12/96



Daniel K. Wright
Laboratory Director

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: Streams/1st Qtr.

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site 22	2298.01	Aqueous	29-Jan-97 12:10	01/29/97
Stream Site 21	2298.02	Aqueous	29-Jan-97 12:20	01/29/97
Stream Site 20	2298.03	Aqueous	29-Jan-97 12:30	01/29/97
Stream Site 09	2298.04	Aqueous	29-Jan-97 12:40	01/29/97
Stream Site 19	2298.05	Aqueous	29-Jan-97 12:50	01/29/97
Stream Site 12	2298.06	Aqueous	29-Jan-97 13:05	01/29/97
Stream Site 18	2298.07	Aqueous	29-Jan-97 13:15	01/29/97
Stream Site 11	2298.08	Aqueous	29-Jan-97 13:25	01/29/97
Stream Site 15	2298.09	Aqueous	29-Jan-97 13:35	01/29/97
Stream Site 16	2298.10	Aqueous	29-Jan-97 13:50	01/29/97
Stream Site 07	2298.11	Aqueous	29-Jan-97 14:05	01/29/97
Stream Site 04	2298.12	Aqueous	29-Jan-97 14:15	01/29/97
Stream Site 17	2298.13	Aqueous	29-Jan-97 14:25	01/29/97
Stream Site 05	2298.14	Aqueous	29-Jan-97 14:35	01/29/97
Stream Site 03	2298.15	Aqueous	29-Jan-97 14:45	01/29/97
Stream Site 14	2298.16	Aqueous	29-Jan-97 15:10	01/29/97
Stream Site 13	2298.17	Aqueous	29-Jan-97 15:20	01/29/97

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Rhonda M. Rt
For Daniel Wright 02/14/97
Daniel Wright/Date
Laboratory Director

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (908)532-4359 Fax (908)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: ( )DERA ( )OMA ( )Other:_____ | Project No: | Location: Stream Sampling Jan 97

Sampler's Signature: Roy Appleby

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	Temp °C	PH	Diss. O	Salinity	NH_3, NO_3, PO_4	VOA, Mix10, SO_4	Remarks / Preservation Method
.1	STream Site 22	1/29/97	1210	AG	0.1	7.45	19.7	18			All samples Kept ≤ 4°C
.2	21		1230		0.5	7.62	14.5	15			NH_3 HAS H_2SO_4
.3	20		1220		0.3	7.71	14.3	14			17 250ml PLASTIC
.4	9		1240		3.7	8.18	11.5	10			17 500ml PLASTIC
.5	19		1250		3.8	7.55	11.5	10			17 300ml BOD GLASS
.6	HT=7.2 12		1305		5.5	7.43	9.7	10			36 VOA 40ml VIALS.
.7	18		1315		6.4	12.45	9.1	10			
.8	11		1325		5.5	9.62	9.2	0			
.9	15		1335		4.4	8.80	9.8	0			
.10	HT= 16		1350		3.8	8.52	10.1	0			
.11	7		1405		3.3	8.11	9.3	0			
.12	4		1415		4.6	8.09	9.5	0			
.13	17		1425		3.2	7.73	9.5	0			Locker # 27
.14	5		1435		4.4	7.72	9.7	0			

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Roy C. Appleby	1/29/97 1545	Sarah Hubbard			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Relinquished by (signature):	Date/Time:	Received for laboratory by (signature):	Date/Time:	Remarks:	

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (908)532-4359 Fax (908)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Page 2 of 2

Customer: ( )DERA ( )OMA ( )Other:_____ | Project No: | Location: Stream sampling Sept 97

Sampler's Signature: [signature] [illegible]

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	Temp °C	PH	Disso	Salinity	NH_3, NO_3, PO_4	VOA, metals	Remarks / Preservation Method
.15	No Key #3	11/24/97	1445	A Q	No Key No Sample!						All Samples kept ≤ 4°C
.16	#14		1510		3.3	8.38	9.5	0			NH_3 Has H_2SO_4
.17	#13		1520		3.9	8.40	10.5	0			VOA's Have HCl
.18	Trip Blank		1150							VOA	17 250 ml plastic
.19	Field Blank		1525							VOA	17 500 ml plastic
											17 300 ml BOD Glass
											36 Voa 40 ml Vials.

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	11/24/97 1545	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Relinquished by (signature):	Date/Time:	Received for laboratory by (signature):	Date/Time:	Remarks:	

print legibly

GATR#3 Lock American Lock Company A

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

MDL	: Method Detection Limit
J	: Compound Identified Below Detection Limit
B	: Compound is in Both Sample and Blank
D	: Results are from a Dilution of the Sample
U	: Compound Searched for but not Detected
E	: Compound Exceeds Calibration Limit

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

Data File Name	**V0001**	Sample Name	**2298.01**
Operator	**Paul Skelton**	Field ID	**#22**
Date Acquired	**2/6/97 16:39**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			1.43 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**V0002**	Sample Name	**2298.02**
Operator	**Paul Skelton**	Field ID	**#21**
Date Acquired	**2/6/97 17:26**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			1.29 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**V0003**	Sample Name	**2298.03**
Operator	**Paul Skelton**	Field ID	**#20**
Date Acquired	**2/6/97 18:53**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			4.60 ug/L	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			1.29 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**V0004**	Sample Name	**2298.04**
Operator	**Paul Skelton**	Field ID	**#9**
Date Acquired	**2/6/97 19:01**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			1.34 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			6.52 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**V0005**	Sample Name	**2298.05**
Operator	**Paul Skelton**	Field ID	**#19**
Date Acquired	**2/6/97 19:47**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			2.18 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			9.70 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name **V0006**
Operator **Paul Skelton**
Date Acquired **2/6/97 20:33**

Sample Name **2298.06**
Field ID **#12**
Sample Multiplier **1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			1.93 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			6.91 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**V0007**	Sample Name	**2298.07**
Operator	**Paul Skelton**	Field ID	**#18**
Date Acquired	**2/6/97 21:58**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			4.17 ug/L	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			2.16 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			19.52 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			1.43 ug/L	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			1.42 ug/L	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**V0008**	Sample Name	**2298.08**
Operator	**Paul Skelton**	Field ID	**#11**
Date Acquired	**2/6/97 22:05**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			1.71 ug/L	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			4.73 ug/L	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			2.71 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			27.37 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			2.07 ug/L	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**V0009**	Sample Name	**2298.09**
Operator	**Paul Skelton**	Field ID	**#15**
Date Acquired	**2/6/97 22:51**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			4.22 ug/L	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			2.68 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			1.57 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			1.33 ug/L	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			5.68 ug/L	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**V0010**	Sample Name	**2298.10**
Operator	**Paul Skelton**	Field ID	**#16**
Date Acquired	**2/6/97 23:37**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			3.01 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			1.30 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			1.14 ug/L	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			5.19 ug/L	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name **V0011**
Operator **Paul Skelton**
Date Acquired **2/7/97 0:23**

Sample Name **2298.11**
Field ID **#7**
Sample Multiplier **1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			2.75 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			1.89 ug/L	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name **V0012**
Operator **Paul Skelton**
Date Acquired **2/7/97 1:08**

Sample Name **2298.12**
Field ID **#4**
Sample Multiplier **1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			30.91 ug/L	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			2.50 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			1.16 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			4.42 ug/L	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**V0013**	Sample Name	**2298.13**
Operator	**Paul Skelton**	Field ID	**#17**
Date Acquired	**2/7/97 1:54**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			25.62 ug/L	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			2.79 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**V0014**	Sample Name	**2298.14**
Operator	**Paul Skelton**	Field ID	**#5**
Date Acquired	**2/7/97 2:40**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			3.41 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			1.19 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			1.04 ug/L	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			4.76 ug/L	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**V0016**	Sample Name	**2298.16**
Operator	**Paul Skelton**	Field ID	**#14**
Date Acquired	**2/7/97 8:35**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			2.46 ug/L	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			8.06 ug/L	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			4.22 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**V0017**	Sample Name	**2298.17**
Operator	**Paul Skelton**	Field ID	**#13**
Date Acquired	**2/7/97 9:21**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75 01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			3.60 ug/L	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			2.59 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**V0018**	Sample Name	**2298.18**
Operator	**Paul Skelton**	Field ID	**Trip Blank**
Date Acquired	**2/7/97 10:08**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			4.94 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**V0019**	Sample Name	**2298.19**
Operator	**Paul Skelton**	Field ID	**Field Blank**
Date Acquired	**2/7/97 10:58**	Sample Multiplier	**1**

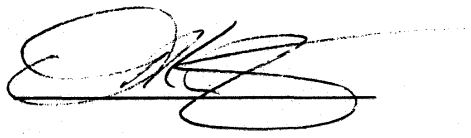
CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			5.84 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

Stream Water Analysis
January1997

Sample ID	Date Sampled	Stream Site#	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphates (mg/L)	Sulfates (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
2298.01	1/29/97	22	7.48	0.68	1.7	0.08	775	14.7	150	ND	18
2298.02	1/29/97	21	7.62	1.33	2.1	0.09	1075	14.5	290	ND	15
2298.03	1/29/97	20	7.71	1.34	1.2	0.12	1300	14.3	320	20	14
2298.04	1/29/97	09	8.18	1.73	2.6	0.10	55	11.5	610	20	2
2298.05	1/29/97	19	7.85	1.01	2.6	0.12	37	11.8	860	70	2
2298.06	1/29/97	12	7.43	0.73	2.8	0.04	27	9.7	60	ND	1
2298.07	1/29/97	18	12.45	1.03	2.5	0.13	36	9.1	650	30	1
2298.08	1/29/97	11	9.62	0.72	2.6	0.08	30	9.2	80	10	0
2298.09	1/29/97	15	8.80	ND	2.4	0.14	36	9.8	1300	40	0
2298.10	1/29/97	16	8.52	2.36	2.8	0.12	42	10.1	1000	ND	0
2298.11	1/29/97	07	8.11	2.21	2.5	0.17	39	9.3	110	40	0
2298.12	1/29/97	04	8.09	2.64	2.3	0.20	52	9.5	1000	20	0
2298.13	1/29/97	17	7.73	8.66	2.7	0.07	39	9.8	880	10	0
2298.14	1/29/97	05	7.72	3.27	2.6	0.33	44	9.7	700	60	0
2298.15	1/29/97	03	No sample	No sample	No sample	No sample	No sample	No sample	No sample	No sample	No sample
2298.16	1/29/97	14	8.38	ND	2.3	0.13	40	9.5	900	50	0
2298.17	1/29/97	13	8.40	2.10	2.2	0.25	41	10.5	1100	130	0

mg/L = parts per million
cfu = colony forming units
ND = Not detected
TNTC = Too numerous to count

Completed:1/97
Reviewed: 1/97



Daniel K. Wright

Laboratory Director

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: Streams/1st Qtr.

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site 22	2361.01	Aqueous	26-Feb-97 12:20	02/26/97
Stream Site 21	2361.02	Aqueous	26-Feb-97 12:30	02/26/97
Stream Site 20	2361.03	Aqueous	26-Feb-97 12:45	02/26/97
Stream Site 09	2361.04	Aqueous	26-Feb-97 13:00	02/26/97
Stream Site 19	2361.05	Aqueous	26-Feb-97 13:15	02/26/97
Stream Site 12	2361.06	Aqueous	26-Feb-97 13:30	02/26/97
Stream Site 18	2361.07	Aqueous	26-Feb-97 13:45	02/26/97
Stream Site 11	2361.08	Aqueous	26-Feb-97 13:55	02/26/97
Stream Site 15	2361.09	Aqueous	26-Feb-97 14:00	02/26/97
Stream Site 16	2361.10	Aqueous	26-Feb-97 14:10	02/26/97
Stream Site ~~N~~ 07	2361.11	Aqueous	26-Feb-97 14:25	02/26/97
Stream Site 04	2361.12	Aqueous	26-Feb-97 14:35	02/26/97
Stream Site 05	2361.13	Aqueous	26-Feb-97 14:50	02/26/97
Stream Site 17	2361.14	Aqueous	26-Feb-97 15:10	02/26/97
Stream Site 03	2361.15	Aqueous	26-Feb-97 15:20	02/26/97
Stream Site 14	2361.16	Aqueous	26-Feb-97 15:35	02/26/97
Stream Site 13	2361.17	Aqueous	26-Feb-97 15:45	02/26/97

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Rhonda M. Lt
For Daniel Wright
Daniel Wright/Date 03/11/97
Laboratory Director

Fort Monmouth Environmental Testing Laboratory

Bldg 173, SELFM-PW-LV, Fort Monmouth, NJ 07703
Tel (908)532-4359 Fax (908)532-3484 E Mail applebey@dom6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

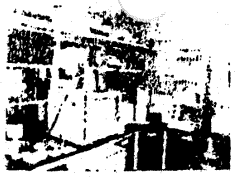
Page 1 of 2

Customer: (✓)DERA ( )OMA ( )Other:	Project No	Location	Analysis Parameters	Comments:
Sampler's Signature: Roy Register, Roy Register				

Lab Sample I.D	Sample Location	Date	Time	Sample Type	Analysis Parameters	Remarks / Preservative Method
2361 .1	STREAM STA 22	2-26-97	1220	Grab	7.0 6.32 11.7 20 X X	
.2	11		1230		6.7 7.18 10.2 20	
.3	2		1245		6.7 7.53 12.3 20	
.4	HT= 1.40 3		1300		8.90 7.90 12.5 4	
.5	4		1315		8.2 7.36 11.3 2	
.6	pH= 7.22 5		1330		9.60 7.20 10.1 0	
.7	6		1345		9.6 7.24 10.6 2	
.8	11		1355		10.2 7.80 11.2 1	
.9	12		1400		8.8 7.39 12.1 1	
.10	HT= *N/A 16		1410		9.0 7.09 12.8 1	exceed acceptable w/ mud
.11	7		1425		9.4 6.94 12.0 1	
.12	4		1435		9.4 7.06 14.0 1	
.13	5		1450		9.7 7.07 15.2 1	
.14	17		1510		9.4 6.92 12.6 1	

Relinquished by (signature)	Date/Time	Received by (signature)	Relinquished by (signature)	Date/Time	Received by (signature)
[signature]	2/26/97 1600	[signature] 2-26-97			
Relinquished by (signature)	Date/Time	Received by (signature)	Relinquished by (signature)	Date/Time	Received by (signature)
Relinquished by (signature)	Date/Time	Received for Laboratory by (signature)	Date/Time	Remarks	

print legibly



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-E, Fort Monmouth, NJ 07703-5000
Tel (908)532-4359 Fax (908)532-4854 E-Mail myers@doim.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Page 1 of 2

Customer: (X)DERA ( )OMA ( )Other:	Project No.	Location: Building 515 Site #3	Analysis Parameters	Comments:
Sampler's Signature: Compliance Supervisor				

Lab Sample ID	Sample Location	Date	Time	Sample Type	Analysis Parameters	Comments:
33[illegible]	Building 515 Site #3	2/21/97	1510	Aq	9.4 6.98 13.6 1 Y	
"	" #11		1535		9.0 6.46 12.6 1	
"	" #13		1545		8.3 7.04 11.9 1	
"	" [illegible]		1200			
"	" [illegible]		1210			

Relinquished by (signature)	Date/Time	Received by (signature)	Relinquished by (signature)	Date/Time	Received by (signature)
[signature]	2/21/97 1600	[signature] 2-26-97			

Relinquished by (signature)	Date/Time	Received for Laboratory by (signature)	Date/Time	Remarks

print legibly

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

Data File Name	**v00236.d**	Sample Name	**2361.1**
Operator	**Paul Skelton**	Field ID	**Stream Site 22**
Date Acquired	**03/ 7/97 15:01**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone	11.11	33358	17.03 ug/L	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00237.d**	Sample Name	**2361.2**
Operator	**Paul Skelton**	Field ID	**Stream Site 21**
Date Acquired	**03/ 7/97 15:48**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone	11.14	35687	17.46 ug/L	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00238.d**	Sample Name	**2361.3**
Operator	**Paul Skelton**	Field ID	**Stream Site 20**
Date Acquired	**03/ 7/97 16:34**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone	11.16	32439	15.78 ug/L	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00239.d**	Sample Name	**2361.4**
Operator	**Paul Skelton**	Field ID	**Stream Site 9**
Date Acquired	**03/ 7/97 17:21**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene	17.85	20991	2.04 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00240.d**	Sample Name	**2361.5**
Operator	**Paul Skelton**	Field ID	**Stream Site 19**
Date Acquired	**03/ 7/97 18:07**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide	13.42	79984	3.66 ug/L	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene	17.84	28904	2.77 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00241.d**	Sample Name	**2361.6**
Operator	**Paul Skelton**	Field ID	**Stream Site 12**
Date Acquired	**03/ 7/97 18:52**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene	17.84	30117	2.91 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00242.d**	Sample Name	**2361.7**
Operator	**Paul Skelton**	Field ID	**Stream Site 18**
Date Acquired	**03/ 7/97 19:37**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene	17.84	77711	7.22 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00243.d**	Sample Name	**2361.8**
Operator	**Paul Skelton**	Field ID	**Stream Site 11**
Date Acquired	**03/ 7/97 20:22**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene	17.83	181338	17.06 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene	22.28	10232	1.22 ug/L	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00244.d**	Sample Name	**2361.9**
Operator	**Paul Skelton**	Field ID	**Stream Site 15**
Date Acquired	**03/ 7/97 21:07**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene	17.84	15862	1.46 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene	27.24	87383	7.84 ug/L	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00245.d**	Sample Name	**2361.10**
Operator	**Paul Skelton**	Field ID	**Stream Site 16**
Date Acquired	**03/ 7/97 21:51**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene	17.83	13347	1.27 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene	22.28	10184	1.20 ug/L	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene	27.24	73039	6.75 ug/L	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00246.d**	Sample Name	**2361.11**
Operator	**Paul Skelton**	Field ID	**Stream Site 7**
Date Acquired	**03/ 7/97 22:35**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene	27.24	34699	3.09 ug/L	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	v00247.d	Sample Name	2361.12
Operator	Paul Skelton	Field ID	Stream Site 4
Date Acquired	03/ 7/97 23:20	Sample Multiplier	1

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene	17.83	11844	1.14 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene	27.24	70879	6.37 ug/L	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00248.d**	Sample Name	**2361.13**
Operator	**Paul Skelton**	Field ID	**Stream Site 5**
Date Acquired	**03/ 8/97 12:04**	Sample Multiplier	1

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene	27.24	59026	5.32 ug/L	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name **v00249.d**
Operator **Paul Skelton**
Date Acquired **03/ 8/97 12:48**

Sample Name **2361.14**
Field ID **Stream Site 17**
Sample Multiplier **1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide	13.41	29229	1.30 ug/L	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00255.d**	Sample Name	**2361.15**
Operator	**Paul Skelton**	Field ID	**Stream Site 3**
Date Acquired	**03/10/97 13:17**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00256.d**	Sample Name	**2361.16**
Operator	**Paul Skelton**	Field ID	**Stream Site 14**
Date Acquired	**03/10/97 14:03**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00257.d**	Sample Name	**2361.17**
Operator	**Paul Skelton**	Field ID	**Stream Site 13**
Date Acquired	**03/10/97 14:50**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00258.d**	Sample Name	**2361.18**
Operator	**Paul Skelton**	Field ID	**Trip Blank**
Date Acquired	**03/10/97 15:37**	Sample Multiplier	**1**

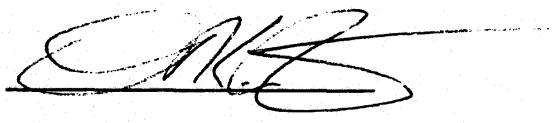
CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide	13.42	82850	3.94 ug/L	0.54 ug/L	na
75-09-2	Methylene Chloride	13.45	226726	24.79 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

Stream Water Analysis
February1997

Sample ID	Date Sampled	Stream Site#	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphates (mg/L)	Sulfates (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
2361.01	2/26/97	22	6.32	4.68	1.2	0.07	1870	11.7	20	<1	20
2361.02	2/26/97	21	7.18	3.49	1.3	0.06	1940	10.2	90	<1	20
2361.03	2/26/97	20	7.53	2.89	1.8	0.07	2400	12.3	30	<1	20
2361.04	2/26/97	09	7.90	3.42	2.2	0.11	97	12.5	310	<1	4
2361.05	2/26/97	19	7.36	3.43	2.2	0.08	90	11.3	470	30	2
2361.06	2/26/97	12	7.20	2.61	2.3	0.06	52	10.1	450	30	0
2361.07	2/26/97	18	7.24	1.89	2.4	0.05	25	10.6	940	<1	2
2361.08	2/26/97	11	7.80	1.34	2.5	0.05	20	11.2	440	40	1
2361.09	2/26/97	15	7.39	6.54	2.0	0.12	35	12.1	120	<1	1
2361.10	2/26/97	16	7.09	6.99	1.9	0.11	35	12.8	70	<1	1
2361.11	2/26/97	07	6.94	5.28	1.3	0.14	220	12.0	120	<1	1
2361.12	2/26/97	04	7.06	6.25	1.9	0.10	42	14.0	60	<1	1
2361.13	2/26/97	05	7.05	6.22	1.8	0.10	40	15.2	30	<1	1
2361.14	2/26/97	17	6.92	2.13	1.4	0.11	32	12.6	<1	<1	1
2361.15	2/26/97	03	6.98	0.71	1.7	0.12	37	13.6	3100	<1	1
2361.16	2/26/97	14	6.96	0.73	1.7	0.16	37	12.6	90	<1	1
2361.17	2/26/97	13	7.04	7.07	1.7	0.15	40	11.9	60	<1	1

mg/L = parts per million
cfu = colony forming units
ND = Not detected

Completed:02/97
Reviewed: 02/97



Daniel K. Wright

Laboratory Director

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: Streams/1st Qtr.

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site 22	2375.01	Aqueous	10-Mar-97 10:00	03/10/97
Stream Site 21	2375.02	Aqueous	10-Mar-97 10:15	03/10/97
Stream Site 20	2375.03	Aqueous	10-Mar-97 10:30	03/10/97
Stream Site 09	2375.04	Aqueous	10-Mar-97 10:50	03/10/97
Stream Site 19	2375.05	Aqueous	10-Mar-97 11:05	03/10/97
Stream Site 12	2375.06	Aqueous	10-Mar-97 11:15	03/10/97
Stream Site 18	2375.07	Aqueous	10-Mar-97 11:25	03/10/97
Stream Site 11	2375.08	Aqueous	10-Mar-97 11:35	03/10/97
Stream Site 15	2375.09	Aqueous	10-Mar-97 14:50	03/10/97
Stream Site 16	2375.10	Aqueous	10-Mar-97 13:20	03/10/97
Stream Site 17	2375.11	Aqueous	10-Mar-97 13:30	03/10/97
Stream Site 04	2375.12	Aqueous	10-Mar-97 13:40	03/10/97
Stream Site 05	2375.13	Aqueous	10-Mar-97 13:50	03/10/97
Stream Site 17	2375.14	Aqueous	10-Mar-97 14:00	03/10/97
Stream Site 03	2375.15	Aqueous	10-Mar-97 14:10	03/10/97
Stream Site 14	2375.16	Aqueous	10-Mar-97 14:20	03/10/97
Stream Site 13	2375.17	Aqueous	10-Mar-97 14:30	03/10/97

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Blanche M. Ali
For Daniel Wright 03/18/97
Daniel Wright/Date
Laboratory Director

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (908)532-4359 Fax (908)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Page ___ of ___

Customer: (X)DERA ( )OMA ( )Other:_____ | Project No: | Location: Stream Sites MARCH 97

Sampler's Signature: Rec'd [illegible] | Sample Type

Analysis Parameters: Temp °C; pH; Diss O; Salinity; NH_3; PO_4; HNO_3; SO_4; TC

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	Analysis Parameters	Remarks / Preservation Method
2375 .01	Stream Site 22	3-10-97	1000	AQ	6.8 7.69 13.9 20	All samples kept ≤ 4°C
.02	21		1015		6.0 8.20 13.1 20	NH_3 HAS H_2SO_4 Pres.
.03	20		1030		6.2 8.20 12.0 18	17 250 mL PLASTIC
.04	HT: 3.4' 9		1050		7.5 8.40 12.5 2	17 500 mL PLASTIC
.05	19		1105		6.9 7.30 12.0 1	17 40ml BAGS W/O Na
.06	HT: 7.46 12		1115		7.5 7.33 12.0 0	36 VOA 40mL W/HCl
.07	18		1125		8.7 11.65 12.5 1	
.08	11		1135		7.5 8.50 13.1 0	
.09	15		~~1320~~ 1450		5.8 7.46 12.0 0	
.10	HT: N/A 16		1320		8.7 8.04 13.8 0	
.11	17		1330		7.8 7.93 14.0 1	
.12	4		1340		8.8 7.91 13.9 0	
.13	5		1350		8.8 7.83 13.8 0	
.14	17		1400		8.4 7.51 13.1 0	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Rec'd	3/10/97 1515	3-10-97			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Relinquished by (signature):	Date/Time:	Received for laboratory by (signature):	Date/Time:	Remarks:	

print legibly

Fort Monmouth Environmental T ting Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (908)532-4359 Fax (908)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Page 2 of 2

Customer: (X)DERA ( )OMA ( )Other:_____ | Project No: | Location: Stream Sampling May 97

Sampler's Signature: Zeb Bost — Ray Pagnist

Lab Sample I D	Sample Location	Date	Time	Sample Type	Analysis Parameters: Temp °C	pH	D.S.O	Salinity	NH_3	NO_3	Phos	VOA	SO_4	TC	Comments: Remarks / Preservation Method
2375 .15	#3	3-10-97	1410	AQ	8.1	7.51	12.4	0	X			X			All samples kept ≤ 4°C
.16	#14		1420		8.6	7.42	12.2	0							NH_3 #45 H_2SO_4
.17	#13		1430		8.9	7.50	12.8	0							17 250 ml PLASTIC
.18	Trip Blank		0910									624			17 500 ml PLASTIC
.19	Field Blank		0430									624			17 WHIRL BAG's w/o Na
															36 VOA w/ HCl

Relinquished by (signature)	Date/Time	Received by (signature)	Relinquished by (signature)	Date/Time	Received by (signature)
Zeb Bost	3/10/97 1515	[signature] 3-10-97			
Relinquished by (signature)	Date/Time	Received by (signature)	Relinquished by (signature)	Date/Time	Received by (signature)
Relinquished by (signature)	Date/Time	Received for laboratory by (signature)	Date/Time	Remarks:	

print legibly

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

Data File Name	**v00279.d**	Sample Name	**2375.01**
Operator	**Paul Skelton**	Field ID	**Stream Site 22**
Date Acquired	**03/11/97 15:33**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	60

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

Data File Name	**v00280.d**	Sample Name	**2375.02**
Operator	**Paul Skelton**	Field ID	**Stream Site 21**
Date Acquired	**03/11/97 16:21**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00281.d**	Sample Name	**2375.03**
Operator	**Paul Skelton**	Field ID	**Stream Site 20**
Date Acquired	**03/11/97 17:08**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	6(

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

Data File Name	**v00282.d**	Sample Name	**2375.04**
Operator	**Paul Skelton**	Field ID	**Stream Site 9**
Date Acquired	**03/11/97 17:55**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene	17.85	41370	4.06 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00283.d**	Sample Name	**2375.05**
Operator	**Paul Skelton**	Field ID	**Stream Site 19**
Date Acquired	**03/11/97 18:41**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene	17.85	41151	4.14 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00284.d**	Sample Name	**2375.06**
Operator	**Paul Skelton**	Field ID	**Stream Site 12**
Date Acquired	**03/11/97 19:28**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene	17.85	63856	6.04 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00285.d**	Sample Name	**2375.07**
Operator	**Paul Skelton**	Field ID	**Stream Site 18**
Date Acquired	**03/11/97 20:14**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene	17.83	55427	5.49 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00286.d**	Sample Name	**2375.08**
Operator	**Paul Skelton**	Field ID	**Stream Site 11**
Date Acquired	**03/11/97 21:00**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene	17.84	189284	18.48 ug/L	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene	22.30	10186	1.26 ug/L	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00294.d**	Sample Name	**2375.09**
Operator	**Paul Skelton**	Field ID	**Stream Site 15**
Date Acquired	**03/12/97 15:17**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene	27.26	37713	3.39 ug/L	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00295.d**	Sample Name	**2375.10**
Operator	**Paul Skelton**	Field ID	**Stream Site 16**
Date Acquired	**03/12/97 16:04**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene	27.27	24648	2.31 ug/L	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00296.d**	Sample Name	**2375.11**
Operator	**Paul Skelton**	Field ID	**Stream Site 17**
Date Acquired	**03/12/97 16:52**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00297.d**	Sample Name	**2375.12**
Operator	**Paul Skelton**	Field ID	**Stream Site 4**
Date Acquired	**03/12/97 17:39**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene	27.26	24818	2.33 ug/L	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00298.d**	Sample Name	**2375.13**
Operator	**Paul Skelton**	Field ID	**Stream Site 5**
Date Acquired	**03/12/97 18:25**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene	27.25	25912	2.42 ug/L	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00299.d**	Sample Name	**2375.14**
Operator	**Paul Skelton**	Field ID	**Stream Site 17**
Date Acquired	**03/12/97 19:11**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride	13.43	30922	3.43 ug/L	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00300.d**	Sample Name	**2375.15**
Operator	**Paul Skelton**	Field ID	**Stream Site 3**
Date Acquired	**03/12/97 19:57**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00301.d**	Sample Name	**2375.16**
Operator	**Paul Skelton**	Field ID	**Stream Site 14**
Date Acquired	**03/12/97 20:42**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00302.d**	Sample Name	**2375.17**
Operator	**Paul Skelton**	Field ID	**Stream Site 13**
Date Acquired	**03/12/97 21:27**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

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

Data File Name	**v00303.d**	Sample Name	**2375.18**
Operator	**Paul Skelton**	Field ID	**Trip Blank**
Date Acquired	**03/12/97 22:12**	Sample Multiplier	**1**

CAS #	Name	R.T.	Response	Amount	MDL	GW Criteria
	Dichlorodifluoromethane			not detected	3.63 ug/L	na
74-87-3	Chloromethane			not detected	0.79 ug/L	30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L	5
74-83-9	Bromomethane			not detected	1.45 ug/L	10
75-00-3	Chloroethane			not detected	2.20 ug/L	na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L	na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L	2
67-64-1	Acetone			not detected	1.57 ug/L	700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L	na
75-09-2	Methylene Chloride			not detected	1.66 ug/L	2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L	100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L	70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L	na
78-93-3	2-Butanone			not detected	2.06 ug/L	300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L	10
67-66-3	Chloroform			not detected	0.43 ug/L	6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L	30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L	2
71-43-2	Benzene			not detected	0.51 ug/L	1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L	2
79-01-6	Trichloroethene			not detected	0.94 ug/L	1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L	1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L	1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L	na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L	na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L	400
108-88-3	Toluene			not detected	0.73 ug/L	1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L	na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L	3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L	1
591-78-6	2-Hexanone			not detected	1.12 ug/L	na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L	10
108-90-7	Chlorobenzene			not detected	0.66 ug/L	4
100-41-4	Ethylbenzene			not detected	1.14 ug/L	700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L	na
1330-20-7	o-Xylene			not detected	1.92 ug/L	na
100-42-5	Styrene			not detected	1.57 ug/L	100
75-25-2	Bromoform			not detected	1.68 ug/L	4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L	2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L	600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L	74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L	600

Stream Water Analysis
March 1997

Sample ID	Date Sampled	Stream Site#	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphates (mg/L)	Sulfates (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
2375.01	3/10/97	22	7.69	NA	1.8	0.06	850	13.9	50	<1	20
2375.02	3/10/97	21	8.20	NA	1.3	0.11	1550	13.1	25	<1	20
2375.03	3/10/97	20	8.20	NA	1.2	0.10	1575	12.0	30	10	18
2375.04	3/10/97	09	6.40	NA	2.2	0.28	41	12.5	310	40	2
2375.05	3/10/97	19	7.30	NA	2.2	0.14	20	12.0	985	70	1
2375.06	3/10/97	12	7.33	NA	2.2	0.07	22	12.0	615	21	0
2375.07	3/10/97	18	11.65	NA	1.4	0.09	16	12.5	TNTC	TNTC	1
2375.08	3/10/97	11	8.50	NA	2.2	0.07	27	13.1	770	90	0
2375.09	3/10/97	15	7.46	NA	2.1	0.19	26	12.0	20	15	0
2375.10	3/10/97	16	8.04	NA	2.7	0.11	6	13.8	175	5	0
2375.11	3/10/97	17	7.93	NA	2.4	0.13	9	14.0	330	35	1
2375.12	3/10/97	04	7.91	NA	2.5	0.12	7	13.9	125	15	0
2375.13	3/10/97	05	7.83	NA	2.3	0.12	6	13.8	145	5	0
2375.14	3/10/97	17	7.51	NA	3.0	0.16	22	13.1	250	15	0
2375.15	3/10/97	03	7.51	NA	3.3	NA	23	12.4	355	90	0
2375.16	3/10/97	14	7.42	NA	2.7	NA	22	11.2	730	105	0
2375.17	3/10/97	13	7.50	NA	2.4	NA	23	12.8	45	5	0

mg/L = parts per million
cfu = colony forming units
NA = Not available
TNTC = Too numerous to count

Completed:3/97
Reviewed: 3/97

Daniel K. Wright
Laboratory Director

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: Streams/2nd Qtr.

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site 22	2439.01	Aqueous	08-Apr-97 10:15	04/08/97
Stream Site 21	2439.02	Aqueous	08-Apr-97 10:25	04/08/97
Stream Site 20	2439.03	Aqueous	08-Apr-97 10:35	04/08/97
Stream Site 09	2439.04	Aqueous	08-Apr-97 10:45	04/08/97
Stream Site 19	2439.05	Aqueous	08-Apr-97 10:55	04/08/97
Stream Site 12	2439.06	Aqueous	08-Apr-97 11:05	04/08/97
Stream Site 18	2439.07	Aqueous	08-Apr-97 11:15	04/08/97
Stream Site 11	2439.08	Aqueous	08-Apr-97 11:25	04/08/97
Stream Site 15	2439.09	Aqueous	08-Apr-97 11:50	04/08/97
Stream Site 16	2439.10	Aqueous	08-Apr-97 12:35	04/08/97
Stream Site 07	2439.11	Aqueous	08-Apr-97 12:50	04/08/97
Stream Site 04	2439.12	Aqueous	08-Apr-97 13:10	04/08/97
Stream Site 05	2439.13	Aqueous	08-Apr-97 13:25	04/08/97
Stream Site 17	2439.14	Aqueous	08-Apr-97 13:30	04/08/97
Stream Site 03	2439.15	Aqueous	08-Apr-97 13:45	04/08/97
Stream Site 14	2439.16	Aqueous	08-Apr-97 13:55	04/08/97
Stream Site 13	2439.17	Aqueous	08-Apr-97 14:05	04/08/97

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Bhaskar M. Patel
For Daniel Wright 04/18/97
Daniel Wright/Date
Laboratory Director

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (908)532-4359 Fax (908)532-3484 EMail:appleby@doim6.mon...outh.army.mil
NJDEP Certification #13461

Chain of Custody Record

Page 1 of 1

Customer: (√)DERA ( )OMA ( )Other: _____

Project No:

Location: STREAM April 97

Sampler's Signature: Joseph

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	Analysis Parameters: Temp. / pH / Diss O2 / Salinity / NH3 Phg Nas / C14-Soy TC	Comments: Remarks / Preservation Method
2439 1	STREAM site 22	4/8/97	10:15	GQ	~~5.73~~ 5.85 10.9 20	All Samples Kept ≤ 4°C
2	21		10 25		11.6 7.21 10.6 19	NH_3 Has H_2SO_4
3	20		1035		11.0 7.20 9.5 17	G24 Has HCl
4	HT: 2.48 9		1045		1.8 7.70 11.5 5	17 250 ml Plastic w/ H_2SO_4
5	19		1055		1.9 7.71 12.5 2	17 500 ml Plastic
6	HT: 7.24 12		1105		1.4 7.54 13.0 2	17 Whirl Bags
7	18		1115		10.7 11.79 12.6 1	36 VOA 40 ml w/ HCl
8	11		1125		10.6 8.11 12.8 1	
9	15		1150		~~8.60~~ 13.1 8.60 14.1 1	
10	HT: 3.88 16		1235		13.3 8.37 13.9 1	
11	HT 2.38 7		1250		12.4 7.75 11.0 5	
12	4		1310		12.3 7.88 11.4 4	
13	5		1325		14.0 7.90 13.0 2	
14	17		1330		11.7 7.66 12.0 1	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	4/8/97 1445	[signature] 4-8-97			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Relinquished by (signature):	Date/Time:	Received for laboratory by (signature):	Date/Time:	Remarks:	

p ...ibly

CT ...vis.3/1.3/97

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (908)532-4359 Fax (908)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Page 1 of 2

Customer: (√)DERA ( )OMA ( )Other:_____ | Project No: | Location: STREAMS April 97

Sampler's Signature:

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	Temp °C	pH	Diss O_2	Salinity	NH_3 NO_3 PO4	Cd Soy TC	Remarks / Preservation Method
2439 15	STREAM site 3	4/8/97	1345	AQ	10-2	6.88	14.5	1			All Samples Kept ≤ 4°C
16	14		1355		12.8	6.98	14.3	1			NH_3 Has H_2SO_4
17	13		1405		14.3	7.19	11.7	1			17 - 250ml Plastic w/ H_2SO_4
18	Trip Blank		0800		—	—	—				17 - 500ml Plastic
19	Field Blank		1805								17 whirl Bags
											36 VOA w/ HCl

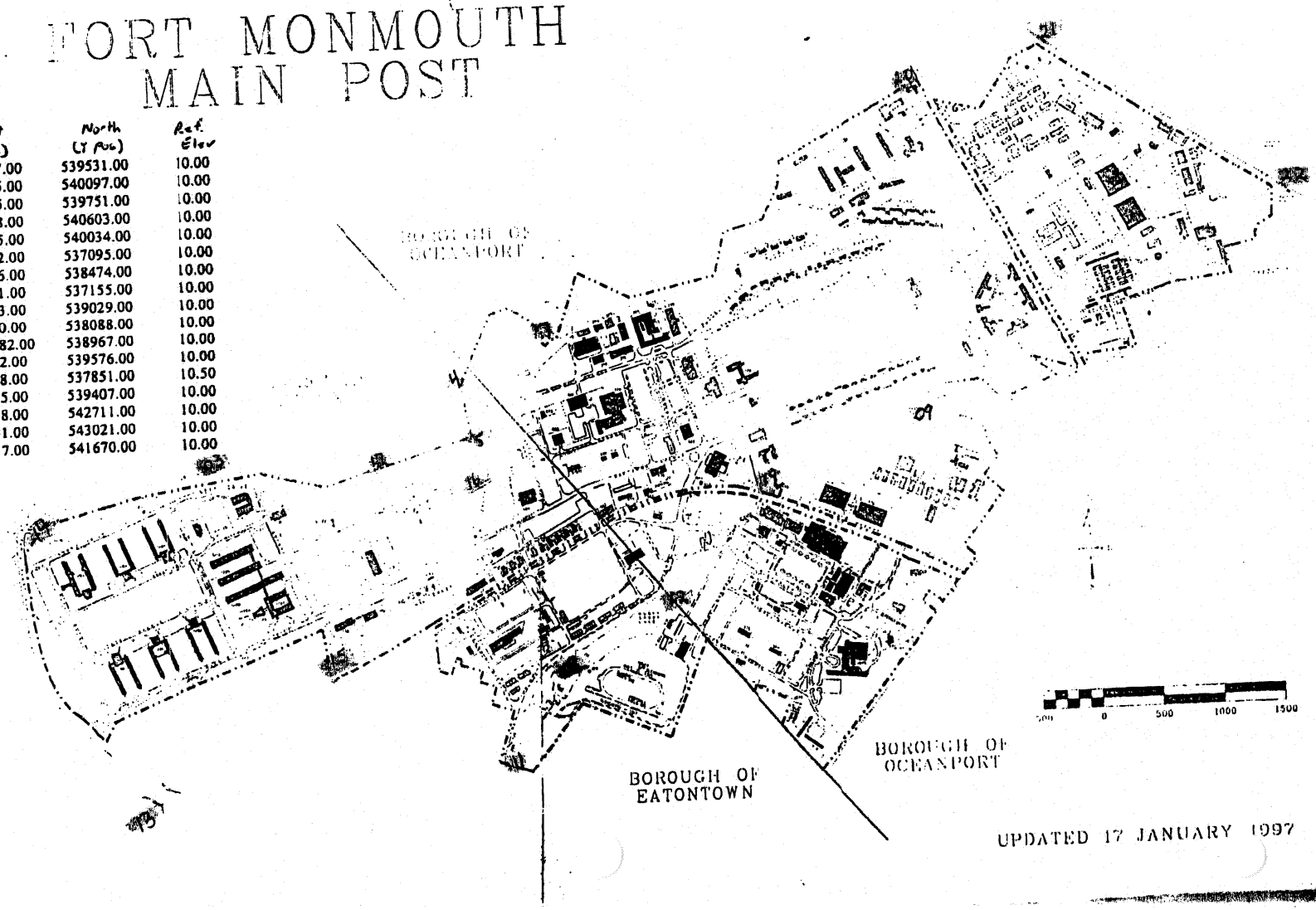
Comments: Remarks / Preservation Method

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	4/8/97 1,45	[signature] 4 8 97			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Relinquished by (signature):	Date/Time:	Received for laboratory by (signature):	Date/Time:	Remarks:	

print legibly

FORT MONMOUTH
MAIN POST

Stream #	East (X Axis)	North (Y Axis)	Ref. Elev
3	2169937.00	539531.00	10.00
4	2171575.00	540097.00	10.00
5	2171575.00	539751.00	10.00
7	2172388.00	540603.00	10.00
9	2175685.00	540034.00	10.00
11	2171882.00	537095.00	10.00
12	2173506.00	538474.00	10.00
13	2168521.00	537155.00	10.00
14	2167893.00	539029.00	10.00
15	2170350.00	538088.00	10.00
16	21716982.00	538967.00	10.00
17	2170762.00	539576.00	10.00
18	2172408.00	537851.00	10.50
19	2174185.00	539407.00	10.00
20	2175568.00	542711.00	10.00
21	2176751.00	543021.00	10.00
22	2178717.00	541670.00	10.00



UPDATED 17 JANUARY 1997

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

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

Data File	**V00531.d**	Sample Name	**Daily Blank**
Operator	**Skelton**	Field ID	**Daily Blank**
Date Aquired	**18-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61	ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	5.67	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20	ug/L	
71-43-2	Benzene			not detected	0.15	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27	ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	7440	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	4.38	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00567.d**	Sample Name	**2439.18**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**18-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61	ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	5.67	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20	ug/L	
71-43-2	Benzene			not detected	0.15	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27	ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	7440	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	4.38	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00568.d**	Sample Name	**2439.19**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**19-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifier
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61	ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	5.67	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20	ug/L	
71-43-2	Benzene			not detected	0.15	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27	ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	7440	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	4.38	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00564.d**	Sample Name	**2439.15**
Operator	**Skelton**	Field ID	**StreamSite#03**
Date Aquired	**18-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61	ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride	13.43	11594	2.00 ug/L	2.49	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	5.67	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20	ug/L	
71-43-2	Benzene			not detected	0.15	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27	ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	7440	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	4.38	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00561.d**	Sample Name	**2439.12**
Operator	**Skelton**	Field ID	**StreamSite#4**
Date Aquired	**18-Apr**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifier
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61	ug/L	
74-83-9	Bromomethane			not detected	4000	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene	17.87	13931	2.18 ug/L	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	470	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20	ug/L	
71-43-2	Benzene			not detected	71	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27	ug/L	
79-01-6	Trichloroethene			not detected	81	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	200000	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	360	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00562.d**	Sample Name	**2439.13**
Operator	**Skelton**	Field ID	**StreamSite#5**
Date Aquired	**18-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifier
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61	ug/L	
74-83-9	Bromomethane			not detected	4000	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride	13.44	10745	1.96 ug/L	1600	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene	17.85	11421	1.80 ug/L	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	470	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20	ug/L	
71-43-2	Benzene			not detected	71	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27	ug/L	
79-01-6	Trichloroethene			not detected	81	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	200000	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49	ug/L	
127-18-4	Tetrachloroethene	27.25	3480	2.28 ug/L	4.29	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	360	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00542.d**	Sample Name	**2439.11**
Operator	**Skelton**	Field ID	**StreamSite#7**
Date Aquired	**18-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifier
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61	ug/L	
74-83-9	Bromomethane			not detected	4000	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	470	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20	ug/L	
71-43-2	Benzene			not detected	71	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27	ug/L	
79-01-6	Trichloroethene			not detected	81	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	200000	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	360	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00535.d**	Sample Name	**2439.04**
Operator	**Skelton**	Field ID	**StreamSite#9**
Date Aquired	**17-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifier
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61	ug/L	
74-83-9	Bromomethane			not detected	4000	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride	13.48	32086	1.82 ug/L	1600	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene	17.87	52010	2.78 ug/L	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	470	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20	ug/L	
71-43-2	Benzene			not detected	71	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27	ug/L	
79-01-6	Trichloroethene			not detected	81	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	200000	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	360	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00539.d**	Sample Name	**2439.08**
Operator	**Skelton**	Field ID	**StreamSite#11**
Date Aquired	**18-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifier
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61	ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene	17.87	334591	18.72 ug/L	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	5.67	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20	ug/L	
71-43-2	Benzene			not detected	0.15	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27	ug/L	
79-01-6	Trichloroethene	22.33	10572	1.58 ug/L	1.09	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	7440	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	4.38	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

freshwater02.xls

7/16/99 10:59 AM

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

Data File	**V00537.d**	Sample Name	**2439.06**
Operator	**Skelton**	Field ID	**StreamSite#12**
Date Aquired	**18-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61	ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene	17.87	120025	6.63 ug/L	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	5.67	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20	ug/L	
71-43-2	Benzene			not detected	0.15	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27	ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	7440	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	4.38	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00566.d**	Sample Name	**2439.17**
Operator	**Skelton**	Field ID	**StreamSite#13**
Date Aquired	**18-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifier
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61	ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74	ug/L	
67-64-1	Acetone	11.14	9637	2.81 ug/L	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride	13.43	1179	1.91 ug/L	2.49	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	5.67	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20	ug/L	
71-43-2	Benzene			not detected	0.15	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27	ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	7440	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	4.38	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00565.d**	Sample Name	**2439.16**
Operator	**Skelton**	Field ID	**StreamSite#14**
Date Aquired	**18-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61	ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74	ug/L	
67-64-1	Acetone	11.17	12252	3.94 ug/L	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	5.67	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20	ug/L	
71-43-2	Benzene			not detected	0.15	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27	ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	7440	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	4.38	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00540.d**	Sample Name	**2439.09**
Operator	**Skelton**	Field ID	**StreamSite#15**
Date Aquired	**18-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifier
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61	ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene	17.87	46131	2.69 ug/L	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	5.67	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20	ug/L	
71-43-2	Benzene			not detected	0.15	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27	ug/L	
79-01-6	Trichloroethene	22.32	10264	1.60 ug/L	1.09	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	7440	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49	ug/L	
127-18-4	Tetrachloroethene	27.28	14712	6.00 ug/L	0.388	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	4.38	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00541.d**	Sample Name	**2439.10**
Operator	**Skelton**	Field ID	**StreamSite#16**
Date Aquired	**18-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61	ug/L	
74-83-9	Bromomethane			not detected	4000	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene	17.87	37091	2.05 ug/L	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	470	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20	ug/L	
71-43-2	Benzene			not detected	71	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27	ug/L	
79-01-6	Trichloroethene	22.31	8140	1.26 ug/L	81	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	200000	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49	ug/L	
127-18-4	Tetrachloroethene	27.27	11600	4.47 ug/L	4.29	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	360	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00563.d**	Sample Name	**2439.14**
Operator	**Skelton**	Field ID	**StreamSite#17**
Date Aquired	**18-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifier
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61	ug/L	
74-83-9	Bromomethane			not detected	4000	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74	ug/L	
67-64-1	Acetone	11.16	6755	1.97 ug/L	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	470	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20	ug/L	
71-43-2	Benzene			not detected	71	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27	ug/L	
79-01-6	Trichloroethene			not detected	81	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	200000	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	360	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00538.d**	Sample Name	**2439.07**
Operator	**Skelton**	Field ID	**StreamSite#18**
Date Aquired	**18-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61	ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	5.67	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20	ug/L	
71-43-2	Benzene			not detected	0.15	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27	ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	7440	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	4.38	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00536.d**	Sample Name	**2439.05**
Operator	**Skelton**	Field ID	**StreamSite#19**
Date Aquired	**17-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61	ug/L	
74-83-9	Bromomethane			not detected	4000	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene	17.87	120140	6.44 ug/L	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	470	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20	ug/L	
71-43-2	Benzene			not detected	71	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27	ug/L	
79-01-6	Trichloroethene			not detected	81	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	200000	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	360	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00534.d**	Sample Name	**2439.03**
Operator	**Skelton**	Field ID	**StreamSite#20**
Date Aquired	**17-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifier
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61	ug/L	
74-83-9	Bromomethane			not detected	4000	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	470	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20	ug/L	
71-43-2	Benzene			not detected	71	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27	ug/L	
79-01-6	Trichloroethene			not detected	81	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	200000	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66	ug/L	
100-41-4	Ethylbenzene	29.59	15334	2.18 ug/L	27900	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	360	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00533.d**	Sample Name	**2439.02**
Operator	**Skelton**	Field ID	**StreamSite#21**
Date Aquired	**17-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61	ug/L	
74-83-9	Bromomethane			not detected	4000	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	470	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20	ug/L	
71-43-2	Benzene			not detected	71	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27	ug/L	
79-01-6	Trichloroethene			not detected	81	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	200000	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	360	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

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

Data File	**V00532.d**	Sample Name	**2439.01**
Operator	**Skelton**	Field ID	**StreamSite#22**
Date Aquired	**17-Apr-97**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifier
	Dichlorodifluoromethane			not detected	nle	3.63	ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79	ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61	ug/L	
74-83-9	Bromomethane			not detected	4000	1.45	ug/L	
75-00-3	Chloroethane			not detected	nle	2.20	ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31	ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74	ug/L	
67-64-1	Acetone			not detected	nle	1.57	ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54	ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66	ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50	ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83	ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07	ug/L	
78-93-3	2-Butanone			not detected	nle	2.06	ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65	ug/L	
67-66-3	Chloroform			not detected	470	0.43	ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81	ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20	ug/L	
71-43-2	Benzene			not detected	71	0.51	ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27	ug/L	
79-01-6	Trichloroethene			not detected	81	0.94	ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78	ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77	ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05	ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60	ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33	ug/L	
108-88-3	Toluene			not detected	200000	0.73	ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43	ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49	ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92	ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12	ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36	ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66	ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14	ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53	ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92	ug/L	
100-42-5	Styrene			not detected	nle	1.57	ug/L	
75-25-2	Bromoform			not detected	360	1.68	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75	ug/L	

* Water Quality Criteria as per N.J.A.C. 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

saltwater01.xls

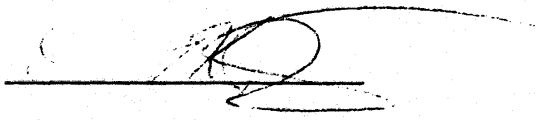
7/15/99 3:37 PM

Stream Water Analysis
April 1997

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)
2439.1	4/8/97	22	5.83	0.22	ND	0.07	1350	10.9	0	0
2439.2	4/8/97	21	7.21	0.38	0.6	0.13	925	10.6	0	0
2439.3	4/8/97	20	7.20	0.47	ND	0.14	1500	9.5	140	0
2439.4	4/8/97	9	7.70	0.32	0.3	0.07	145	11.5	640	60
2439.5	4/8/97	19	7.71	0.16	0.9	0.07	23	12.5	2240	120
2439.6	4/8/97	12	7.54	0.11	0.8	0.11	23	13.0	1580	120
2439.7	4/8/97	18	11.79	0.16	1.0	0.07	24	12.6	0	0
2439.8	4/8/97	11	8.66	0.08	1.0	0.10	22	12.8	80	60
2439.9	4/8/97	15	8.60	0.38	ND	0.13	30	14.1	1240	20
2439.10	4/8/97	16	8.37	0.40	ND	0.12	33	13.9	1180	80
2439.11	4/8/97	7	7.75	0.50	0.8	0.12	300	11.0	4140	60
2439.12	4/8/97	4	7.88	0.44	1.2	0.13	145	11.4	720	60
2439.13	4/8/97	5	7.90	0.39	0.9	0.10	60	13.0	1060	80
2439.14	4/8/97	17	7.60	0.60	0.9	0.20	50	12.0	700	40
2439.15	4/8/97	3	6.88	0.13	1.2	0.17	27	14.5	2400	440
2439.16	4/8/97	14	6.98	0.15	0.5	0.22	26	14.3	440	100
2439.17	4/8/97	13	7.19	0.57	1.1	0.15	33	11.7	1840	40

mg/L = parts per million
cfu = colony forming units
ND = Not detected

Completed:04/15/97
Reviewed: 04/15/97



Daniel K. Wright

Laboratory Director

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: Streams/3rd Qtr.

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site 22	2810.01	Aqueous	17-Jul-97 08:30	07/17/97
Stream Site 21	2810.02	Aqueous	17-Jul-97 08:45	07/17/97
Stream Site 20	2810.03	Aqueous	17-Jul-97 09:00	07/17/97
Stream Site 09	2810.04	Aqueous	17-Jul-97 09:15	07/17/97
Stream Site 19	2810.05	Aqueous	17-Jul-97 09:30	07/17/97
Stream Site 12	2810.06	Aqueous	17-Jul-97 09:45	07/17/97
Stream Site 18	2810.07	Aqueous	17-Jul-97 10:00	07/17/97
Stream Site 11	2810.08	Aqueous	17-Jul-97 10:10	07/17/97
Stream Site 15	2810.09	Aqueous	17-Jul-97 10:30	07/17/97
Stream Site 16	2810.10	Aqueous	17-Jul-97 10:45	07/17/97
Stream Site 07	2810.11	Aqueous	17-Jul-97 10:55	07/17/97
Stream Site 04	2810.12	Aqueous	17-Jul-97 11:10	07/17/97
Stream Site 05	2810.13	Aqueous	17-Jul-97 11:20	07/17/97
Stream Site 17	2810.14	Aqueous	17-Jul-97 11:35	07/17/97
Stream Site 03	2810.15	Aqueous	17-Jul-97 11:55	07/17/97
Stream Site 14	2810.16	Aqueous	17-Jul-97 12:05	07/17/97
Stream Site 13	2810.17	Aqueous	17-Jul-97 12:20	07/17/97

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Rhonda M. Ell
For Daniel Wright 07/21/97
Daniel Wright/Date
Laboratory Director

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (908)532-4359 Fax (908)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: x 26223
(X)DERA ( )OMA ( )Other:

Project No:
Location: STREAMS July 97

Samplers Name / Company : Ray Poynot Scott Weyman / TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Temp °C	pH	Diss O2	Salinity	NH3 H2SO4	624 HCl	TC	Remarks / Preservation Method
2810 1	STREAM SITE 22	7/12/97	830	AQ	5	27.4	8.90	9.2	22	X	X	X	All Samples Kept ≤ 4°C
2	21		845			28.5	8.37	5.0	25				NH_3 Has H_2SO_4
3	20		910			28.2	8.33	4.0	25				624 - HCl
4	HT: 1.86 9		915			28.3	5.51	10.2	10				17 250 Plastic w/ H_2SO_4
5	19		930			26.4	7.16	6.3	1				17 250 Plastic
6	HT: 1.53 12		945			27.3	7.32	5.3	0				17 Whirl Bags
7	18		1000			26.1	8.12	10.9	0				36 VOA Vials w/HCl
8	11		1010			26.7	7.87	9.2	2				
9	15		1030			26.2	7.77	10.8	0				
10	HT: 16		1045			25.7	7.47	7.4	0				Could Not Read Unreadable
11	HT: 7		1055			26.8	10.7	7.34	5				
12	4		1110			26.2	7.52	10.4	3				
13	5		1120			27.2	7.37	6.8	2				
14	17		1135			25.9	7.16	7.0	2				IV=23 - L27

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	7/12/97 1330	[signature] 7/12/97			
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
Turnaround ti (X)Standard 4 wks. (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELTM-PW-EV, Fort Monmouth, NJ 07703
Tel (908)532-4359 Fax (908)532-3484 EMail:appleby@doim6.monmouth.anny.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J Fallon
Phone #: X 26223
(X)DERA ( )OMA ( )Other:
Project No:
Location: Streams July 97
Samplers Name / Company: Ray DeGroot Scott Meyer / TVS

Lab Sample ID	Sample Location	Date	Time	Sample Type	# bottles	Temp °C	pH	pH	Diss O2	Salinity	NH3 H2SO4 Mg	624 Soy	TC	Comments: Remarks / Preservation Method
2810 15	STream site 3	7/7/97	1155	A	5	20.8	7.82	9.9	3	X	Y	Y		All Samples Kept ≤ 4°C
16	14		1205			22.9	7.57	9.1	2					NH_3 Has H_2SO_4
17	13		1210			25.4	7.77	7.4	0					624 - HCl
18	Trip Blank		0900		2									17 250 Plastic w/ H2SO4
19	Field Blank		1210		2									17 NP-250 500ml Plastic
														17 Whirl Bags
														36 VOA 40ml w/ HCl

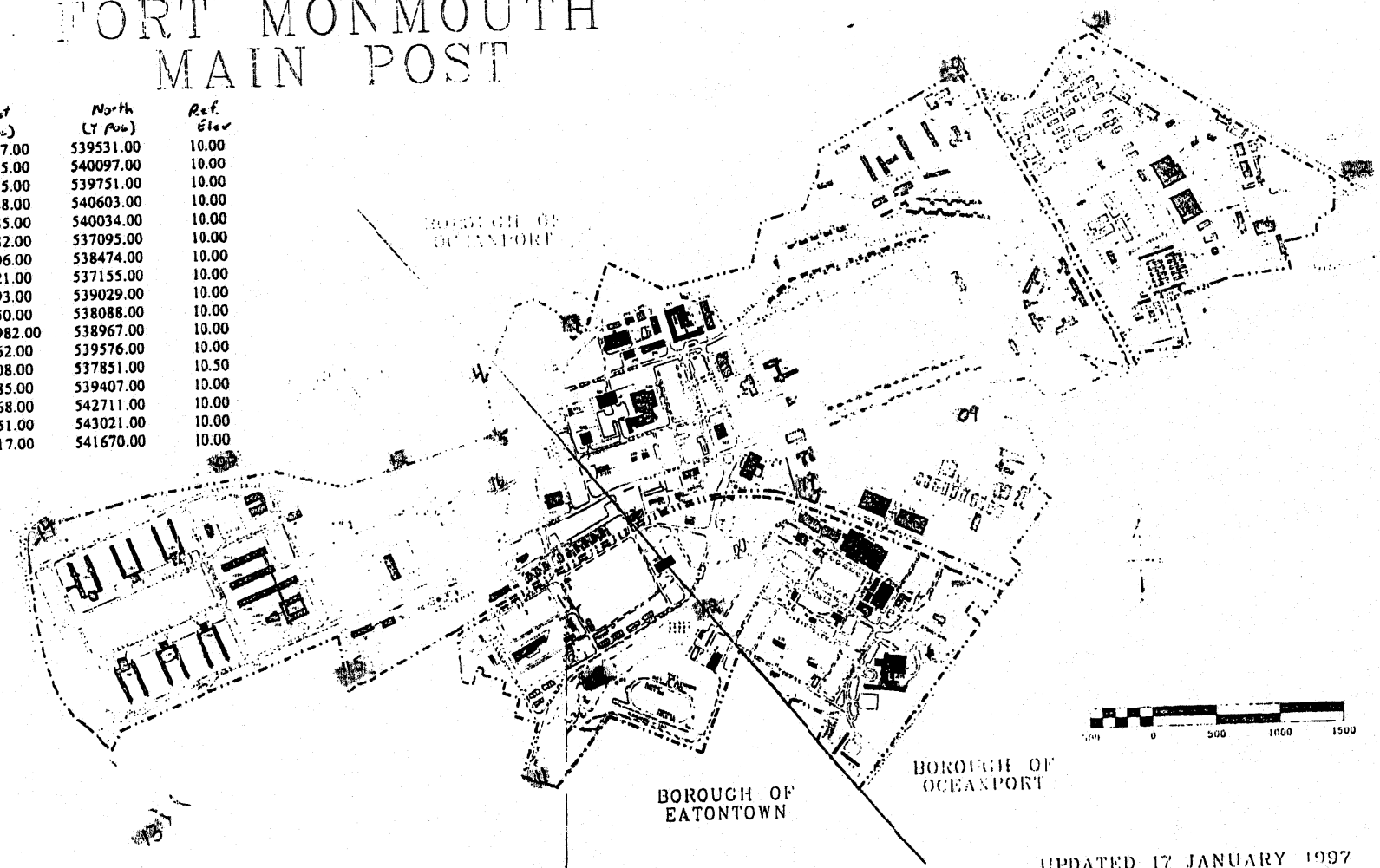
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[illegible]	7/7/97 1330	[signature] 7/7/97			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full. (_)Reduced. (X)Standard. (_)Screen/non-certified
Turnaround time: (X)Standard 4 wks. (_)Rush ____ Days. (_)ASAP Verbal ____ Hrs.

Remarks:

FORT MONMOUTH
MAIN POST

Stream #	East (X Axis)	North (Y Axis)	Ref. Elev
3	2169937.00	539531.00	10.00
4	2171575.00	540097.00	10.00
5	2171575.00	539751.00	10.00
7	2172388.00	540603.00	10.00
9	2175685.00	540034.00	10.00
11	2171882.00	537095.00	10.00
12	2173506.00	538474.00	10.00
13	2168521.00	537155.00	10.00
14	2167893.00	539029.00	10.00
15	2170350.00	538088.00	10.00
16	21716982.00	538967.00	10.00
17	2170762.00	539576.00	10.00
18	2172408.00	537851.00	10.50
19	2174185.00	539407.00	10.00
20	2175568.00	542711.00	10.00
21	2176751.00	543021.00	10.00
22	2178717.00	541670.00	10.00



UPDATED 17 JANUARY 1997

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

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

Data File	**Vb01317.d**	Sample Name	**Daily Blank**
Operator	**Skelton**	Field ID	**Daily Blank**
Date Acquired	**29-Jul-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1.3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB01344.d**	Sample Name	**2810.18**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**29-Jul-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB01345.d**	Sample Name	**2810.19**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**29-Jul-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB01341.d**	Sample Name	**2810.15**
Operator	**Skelton**	Field ID	**StreamSite#03**
Date Acquired	**29-Jul-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb01338.d**	Sample Name	**2810.12**
Operator	**Skelton**	Field ID	**StreamSite#04**
Date Acquired	**29-Jul-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.88	10901	1.63 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene	27.31	6511	1.61 ug/L	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb01339.d**	Sample Name	**2810.13**
Operator	**Skelton**	Field ID	**StreamSite#05**
Date Acquired	**29-Jul-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.87	23934	3.66 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3 Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene	27.30	14257	3.54 ug/L	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb01337.d**	Sample Name	**2810.11**
Operator	**Skelton**	Field ID	**StreamSite#07**
Date Acquired	**29-Jul-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.86	7590	1.14 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene	27.30	4528	1.08 ug/L	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb01321.d**	Sample Name	**2810.04**
Operator	**Skelton**	Field ID	**StreamSite#09**
Date Acquired	**29-Jul-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB01325.d**	Sample Name	**2810.08**
Operator	**Skelton**	Field ID	**StreamSite#11**
Date Acquired	**29-Jul-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.90	61803	14.13 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB01323.d**	Sample Name	**2810.06**
Operator	**Skelton**	Field ID	**StreamSite#12**
Date Acquired	**29-Jul-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061 01 5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB01343.d**	Sample Name	**2810.17**
Operator	**Skelton**	Field ID	**StreamSite#13**
Date Acquired	**29-Jul-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb01343.d**	Sample Name	**2310.16**
Operator	**Skelton**	Field ID	**StreamSite#14**
Date Acquired	**29-Jul-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB01326.d**	Sample Name	**2810.09**
Operator	**Skelton**	Field ID	**StreamSite#15**
Date Acquired	**29-Jul-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.91	23883	5.53 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene	22.36	5880	2.50 ug/L	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene	27.32	10993	7.12 ug/L	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb01327.d**	Sample Name	**2810.10**
Operator	**Skelton**	Field ID	**StreamSite#16**
Date Acquired	**29-Jul-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.92	7815	2.55 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene	27.32	7341	4.72 ug/L	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb01340.d**	Sample Name	**2810.14**
Operator	**Skelton**	Field ID	**StreamSite#17**
Date Acquired	**29-Jul-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02374.d**	Sample Name	**3121.12**
Operator	**Skelton**	Field ID	**StreamSite#04**
Date Acquired	**04-Nov-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene	27.22	3872	1.24 ug/L	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02375.d**	Sample Name	**3121.13**
Operator	**Skelton**	Field ID	**StreamSite#05**
Date Acquired	**04-Nov-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.81	9821	1.83 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene	27.22	5094	1.70 ug/L	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02373.d**	Sample Name	**3121.11**
Operator	**Skelton**	Field ID	**StreamSite#07**
Date Acquired	**04-Nov-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02360.d**	Sample Name	**3121.04**
Operator	**Skelton**	Field ID	**StreamSite#09**
Date Acquired	**03-Nov-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.81	13539	2.14 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02364.d**	Sample Name	**3121.08**
Operator	**Skelton**	Field ID	**SS11**
Date Acquired	**04-Nov-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.81	110673	18.23 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02362.d**	Sample Name	**3121.06**
Operator	**Skelton**	Field ID	**SS12**
Date Acquired	**03-Nov-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.82	34681	5.67 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2 Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02379.d**	Sample Name	**3121.17**
Operator	**Skelton**	Field ID	**SS13**
Date Acquired	**04-Nov-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02378.d**	Sample Name	**3121.16**
Operator	**Skelton**	Field ID	**SS14**
Date Acquired	**04-Nov-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.82	8181	1.59 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene	22.27	5704	1.75 ug/L	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02365.d**	Sample Name	**3121.09**
Operator	**Skelton**	Field ID	**SS15**
Date Acquired	**04-Nov-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.81	14042	2.57 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene	27.22	7857	2.72 ug/L	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02372.d**	Sample Name	**3121.10**
Operator	**Skelton**	Field ID	**StreamSite#16**
Date Acquired	**04-Nov-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.82	9811	1.76 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene	27.23	5709	1.86 ug/L	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02376.d**	Sample Name	**3121.14**
Operator	**Skelton**	Field ID	**StreamSite#17**
Date Acquired	**04-Nov-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02363.d**	Sample Name	**3121.07**
Operator	**Skelton**	Field ID	**SS18**
Date Acquired	**04-Nov-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.82	33576	5.87 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02361.d**	Sample Name	**3121.05**
Operator	**Skelton**	Field ID	**StreamSite#19**
Date Acquired	**03-Nov-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.81	29425	4.69 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2 Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02359.d**	Sample Name	**3121.03**
Operator	**Skelton**	Field ID	**StreamSite#20**
Date Acquired	**03-Nov-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	V02358.d	Sample Name	3121.02
Operator	Skelton	Field ID	StreamSite#21
Date Acquired	03-Nov-97	Sample Multiplie	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02357.d**	Sample Name	**3121.01**
Operator	**Skelton**	Field ID	**StreamSite#22**
Date Acquired	**03-Nov-97**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

Stream Water Analysis
October1997

Sample ID	Date Sampled	Stream Site#	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphates (mg/L)	Sulfates (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
3121.01	10/30/97	22	6.91	1.35	1.1	0.83	1800	8.6	40	<1	25
3121.02	10/30/97	21	7.01	1.76	0.6	1.07	1600	7.4	280	<1	22
3121.03	10/30/97	20	7.07	1.48	0.7	0.80	1800	7.2	160	<1	25
3121.04	10/30/97	09	8.46	0.89	1.0	0.64	85	10.2	2440	200	3
3121.05	10/30/97	19	8.65	0.19	1.0	0.08	14	9.3	4200	180	2
3121.06	10/30/97	12	8.30	0.30	1.0	0.10	15	8.8	1440	40	2
3121.07	10/30/97	18	10.05	0.30	0.8	0.10	14	9.5	380	20	2
3121.08	10/30/97	11	9.32	0.33	1.5	0.10	22	10.2	1120	280	2
3121.09	10/30/97	15	8.50	0.66	0.5	0.09	27	10.8	960	20	2
3121.10	10/30/97	16	8.78	0.73	0.7	0.12	33	9.4	3500	300	2
3121.11	10/30/97	07	7.78	1.41	0.2	0.14	290	11.0	960	<1	5
3121.12	10/30/97	04	8.32	1.13	0.6	0.14	110	9.3	820	40	5
3121.13	10/30/97	05	8.36	0.81	0.6	0.14	60	10.3	1300	40	4
3121.14	10/30/97	17	8.35	0.84	2.5	0.21	45	11.0	1640	100	3
3121.15	10/30/97	03	8.38	0.23	1.4	0.23	29	10.2	940	100	3
3121.16	10/30/97	14	8.37	0.21	1.4	0.25	31	9.2	3680	<1	2
3121.17	10/30/97	13	8.20	0.64	1.0	0.14	125	10.4	260	40	2

mg/L = parts per million
cfu = colony forming units
ND – Not detected
TNTC = Too numerous to count

Completed:10/97
Reviewed: 10/97

Daniel K. Wright
Laboratory Director

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: Streams/1st Qtr.

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site 22	3331.01	Aqueous	10-Feb-98 09:00	02/10/98
Stream Site 21	3331.02	Aqueous	10-Feb-98 09:10	02/10/98
Stream Site 20	3331.03	Aqueous	10-Feb-98 09:30	02/10/98
Stream Site 09	3331.04	Aqueous	10-Feb-98 09:50	02/10/98
Stream Site 19	3331.05	Aqueous	10-Feb-98 10:00	02/10/98
Stream Site 12	3331.06	Aqueous	10-Feb-98 10:10	02/10/98
Stream Site 18	3331.07	Aqueous	10-Feb-98 10:25	02/10/98
Stream Site 11	3331.08	Aqueous	10-Feb-98 10:35	02/10/98
Stream Site 15	3331.09	Aqueous	10-Feb-98 10:45	02/10/98
Stream Site 16	3331.10	Aqueous	10-Feb-98 11:10	02/10/98
Stream Site 07	3331.11	Aqueous	10-Feb-98 11:20	02/10/98
Stream Site 04	3331.12	Aqueous	10-Feb-98 11:40	02/10/98
Stream Site 05	3331.13	Aqueous	10-Feb-98 11:50	02/10/98
Stream Site 17	3331.14	Aqueous	10-Feb-98 12:50	02/10/98
Stream Site 03	3331.15	Aqueous	10-Feb-98 13:00	02/10/98
Stream Site 14	3331.16	Aqueous	10-Feb-98 13:10	02/10/98
Stream Site 13	3331.17	Aqueous	10-Feb-98 13:25	02/10/98

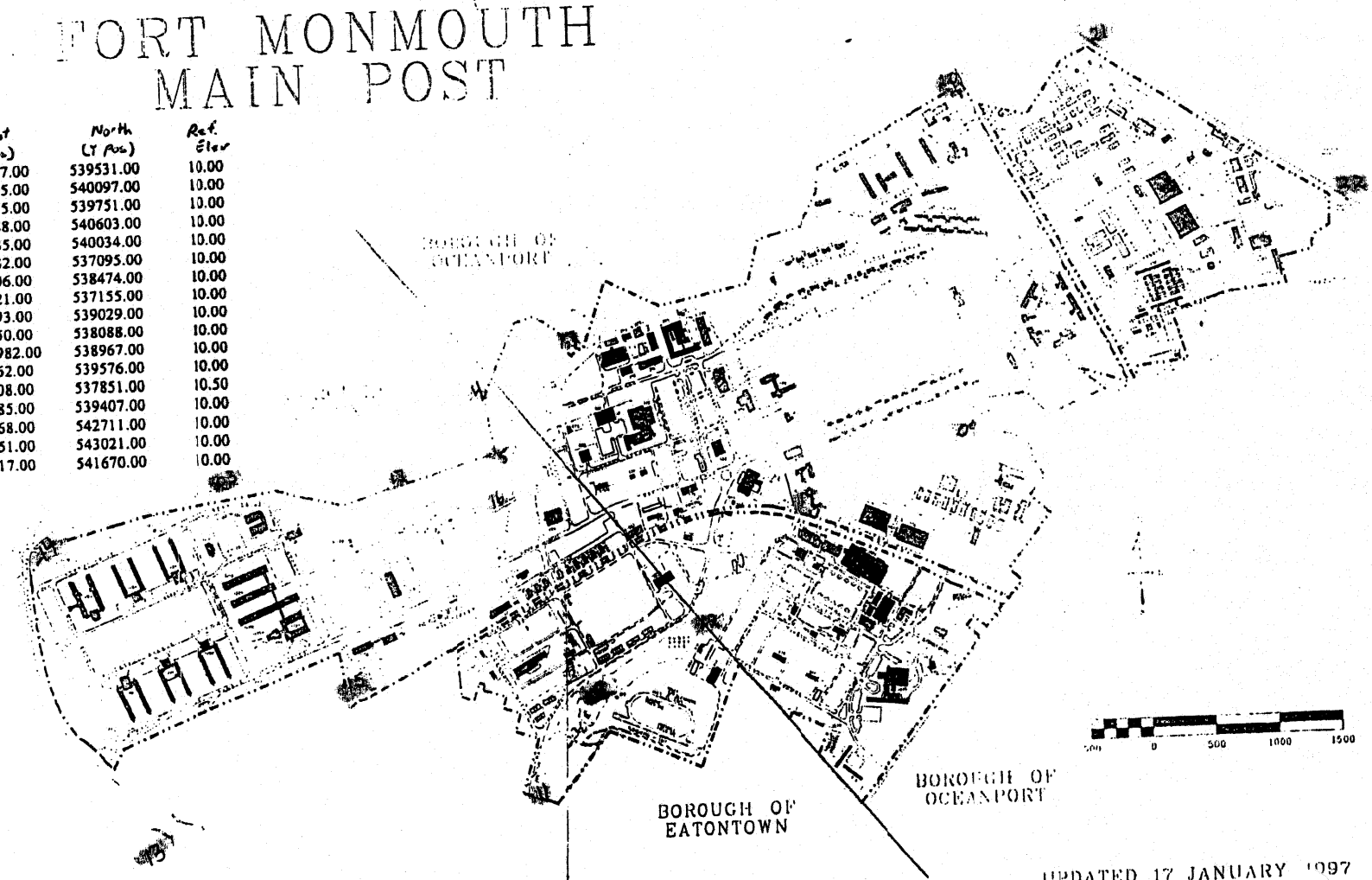
ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Bhaskar M. Rao
For Daniel Wright 02/18/98
Daniel Wright/Date
Laboratory Director

FORT MONMOUTH
MAIN POST

Stream #	East (X Pos)	North (Y Pos)	Ref. Elev
3	2169937.00	539531.00	10.00
4	2171575.00	540097.00	10.00
5	2171575.00	539751.00	10.00
7	2172388.00	540603.00	10.00
9	2175685.00	540034.00	10.00
11	2171882.00	537095.00	10.00
12	2173506.00	538474.00	10.00
13	2168521.00	537155.00	10.00
14	2167893.00	539029.00	10.00
15	2170350.00	538088.00	10.00
16	21716982.00	538967.00	10.00
17	2170762.00	539576.00	10.00
18	2172408.00	537851.00	10.50
19	2174185.00	539407.00	10.00
20	2175568.00	542711.00	10.00
21	2176751.00	543021.00	10.00
22	2178717.00	541670.00	10.00



UPDATED 17 JANUARY 1997

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (908)532-4359 Fax (908)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: X26223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: STREAMS

Samplers Name / Company: Ray Pogwist / Dave Dolan Hank T / TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Temp °C	pH	Diss O2	Salinity	NH3	PO4 SO4 NO3	VOA	TC	Comments: Remarks / Preservation Method
3331.01	STREAMS site 22	2/10/98	900	AQ	5	2.5	7.37	12.1	9	X	X	X	X	all Samples Kept ≤ 4°C
02	21		910			2.6	7.51	12.5	10					NH_3 Has H_2SO_4
03	20		930			3.6	7.55	13.0	15					VOA - HCl
04	HT: 2.90 9		950			4.7	8.38	13.2	1					17 250ml Plastic w/ H_2SO_4
05	19		1000			5.5	8.78	10.8	N/D					17 250ml Plastic
06	HT. 7.40 12		1010			6.5	8.51	10.5	N/D					17 whirl Bags
07	18		1045			7.5	9.85	10.3	N/D					38 VOA 40ml w/HCl
08	11		1035			7.4	9.51	11.2	N/D					
09	15		1045			5.7	9.28	11.5	N/D					
10	HT: 16		1110			5.9	8.96	14.1	N/D					Cor-12 not read HT.
11	HT: 7		1120			4.2	8.07	12.4	4					290
12	4		1140			6.0	8.64	9.6	3					
13	5		1150			6.4	8.57	10.0	1					
14	17		1250			7.0	8.32	11.3	2					Key #23-27

Relinquished by (signature):	Date/Time	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Rec'd	2/10/98 1100	J. Vaughan			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (_)Standard, (_)Screen / non-certified
Turnaround time: (_)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (908)532-4359 Fax (908)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: x26223
(X)DERA ( )OMA ( )Other:
Project No:
Location: STREAMS
Samplers Name / Company: Ray Pogwist / TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Temp °C	pH	Diss O2	Salinity	NH3	PO4, SO4, NO3	VOA	TC	Remarks / Preservation Method
33315	STREAM site 3	2/10/98	1300	AQ	5	5.9	8.22	10.2	2	X	X	X	X	All Samples Kept < 4°C
16	14		1310			6.2	8.20	11.1	0					NH_3 Has H_2SO_4
17	13		1325			6.8	8.09	10.2	0					VOA - HCl
18	TRIP BLANK		830			—	—	—	—					17 250ml Plastic w/ H_2SO_4
19	Field Blank		1330			—	—	—	—					19 250ml Plastic
20	Field Dup		—			6.7	8.10	10.2	0	X	X	X	X	17 Whirl Bags
														38 VOA 40ml w/HCl

Comments: Remarks / Preservation Method

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	2/10/98 1400	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
		[signature]			

Report Type: (_)Full, (_)Reduced, (_)Standard, (_)Screen / non-certified
Turnaround time: (_)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

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

Data File	**V02965.d**	Sample Name	**Vblk24**
Operator	**Skelton**	Field ID	**Vblk24**
Date Acquired	**12-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02966.d**	Sample Name	**3331.18**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**12-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride	13.43	24809	5.37 ug/L	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02967.d**	Sample Name	**3331.19**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**12-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02983.d**	Sample Name	**3331.15**
Operator	**Skelton**	Field ID	**StreamSite#03**
Date Acquired	**13-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02980.d**	Sample Name	**3331.12**
Operator	**Skelton**	Field ID	**StreamSite#04**
Date Acquired	**13-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene	27.21	20759	6.61 ug/L	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02981.d**	Sample Name	**3331.13**
Operator	**Skelton**	Field ID	**StreamSite#05**
Date Acquired	**13-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene	27.21	24773	6.34 ug/L	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02979.d**	Sample Name	**3331.11**
Operator	**Skelton**	Field ID	**StreamSite#07**
Date Acquired	**13-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene	27.21	7614	2.04 ug/L	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02972.d**	Sample Name	**3331.04**
Operator	**Skelton**	Field ID	**StreamSite#09**
Date Acquired	**12-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.81	29798	6.00 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02976.d**	Sample Name	**3331.08**
Operator	**Skelton**	Field ID	**StreamSite#11**
Date Acquired	**13-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.81	120625	24.71 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene	22.26	7266	2.14 ug/L	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02974.d**	Sample Name	**3331.06**
Operator	**Skelton**	Field ID	**StreamSite#12**
Date Acquired	**12-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.80	32354	6.54 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02985.d**	Sample Name	**3331.17**
Operator	**Skelton**	Field ID	**StreamSite#13**
Date Acquired	**13-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02984.d**	Sample Name	**3331.16**
Operator	**Skelton**	Field ID	**StreamSite#14**
Date Acquired	**13-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79 00 5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02977.d**	Sample Name	**3331.09**
Operator	**Skelton**	Field ID	**StreamSite#15**
Date Acquired	**13-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene	22.25	3561	1.03 ug/L	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene	27.21	26125	6.90 ug/L	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02978.d**	Sample Name	**3331.10**
Operator	**Skelton**	Field ID	**StreamSite#16**
Date Acquired	**13-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene	27.21	22638	6.23 ug/L	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02982.d**	Sample Name	**3331.14**
Operator	**Skelton**	Field ID	**StreamSite#17**
Date Acquired	**13-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene	29.28	18968	1.59 ug/L	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02975.d**	Sample Name	**3331.07**
Operator	**Skelton**	Field ID	**StreamSite#18**
Date Acquired	**12-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.81	67288	14.36 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02973.d**	Sample Name	**3331.05**
Operator	**Skelton**	Field ID	**StreamSite#19**
Date Acquired	**12-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.81	39904	8.22 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02971.d**	Sample Name	**3331.03**
Operator	**Skelton**	Field ID	**StreamSite#20**
Date Acquired	**12-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02970.d**	Sample Name	**3331.02**
Operator	**Skelton**	Field ID	**StreamSite#21**
Date Acquired	**12-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02969.d**	Sample Name	**3331.01**
Operator	**Skelton**	Field ID	**StreamSite#22**
Date Acquired	**12-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**V02968.d**	Sample Name	**3331.20**
Operator	**Skelton**	Field ID	**Field Dup**
Date Acquired	**12-Feb-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

Stream Water Analysis
February 1998

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)
3331.01	2/10/98	22	7.37	0.492	0.20	0.11	1700	12.1	100	100
3331.02	2/10/98	21	7.51	0.374	0.40	0.14	700	12.5	<1	60
3331.03	2/10/98	20	7.55	0.332	010	0.09	1400	13.0	160	260
3331.04	2/10/98	09	8.98	0.611	0.90	0.22	39	13.2	80	640
3331.05	2/10/98	19	8.78	1.56	0.30	0.21	22	10.8	40	880
3331.06	2/10/98	12	8.51	0.347	0.70	0.16	30	10.5	<1	640
3331.07	2/10/98	18	9.85	0.406	1.00	0.15	26	10.3	60	360
3331.08	2/10/98	11	9.51	0.322	0.70	0.16	22	11.2	40	220
3331.09	2/10/98	15	9.28	0.444	ND	0.24	28	12.5	120	40
3331.10	2/10/98	16	8.96	0.463	1.10	0.18	24	14.1	<1	140
3331.11	2/10/98	07	8.07	0.485	ND	0.21	145	12.4	40	280
3331.12	2/10/98	04	8.64	0.482	0.40	0.20	40	9.6	140	80
3331.13	2/10/98	05	8.59	0.434	0.10	0.11	30	10.0	60	100
3331.14	2/10/98	17	8.32	0.936	ND	0.41	43	11.3	60	240
3331.15	2/10/98	03	8.22	0.306	ND	0.23	29	10.2	440	1000
3331.16	2/10/98	14	8.20	0.251	ND	0.31	26	11.1	40	80
3331.17	2/10/98	13	8.09	0.474	ND	0.21	27	10.2	100	60

mg/L = parts per million
cfu = colony forming units
ND = Not detected

Completed:02/17/98
Reviewed: 02/17/98

7-20-99

Daniel K. Wright
Laboratory Director

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: Streams/2nd Qtr.

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site 22	3499.01	Aqueous	21-Apr-98 08:20	04/21/98
Stream Site 21	3499.02	Aqueous	21-Apr-98 08:35	04/21/98
Stream Site 20	3499.03	Aqueous	21-Apr-98 08:45	04/21/98
Stream Site 09	3499.04	Aqueous	21-Apr-98 09:00	04/21/98
Stream Site 19	3499.05	Aqueous	21-Apr-98 09:05	04/21/98
Stream Site 12	3499.06	Aqueous	21-Apr-98 09:15	04/21/98
Stream Site 18	3499.07	Aqueous	21-Apr-98 09:30	04/21/98
Stream Site 11	3499.08	Aqueous	21-Apr-98 09:40	04/21/98
Stream Site 15	3499.09	Aqueous	21-Apr-98 09:45	04/21/98
Stream Site 16	3499.10	Aqueous	21-Apr-98 10:00	04/21/98
Stream Site 07	3499.11	Aqueous	21-Apr-98 10:10	04/21/98
Stream Site 04	3499.12	Aqueous	21-Apr-98 10:30	04/21/98
Stream Site 05	3499.13	Aqueous	21-Apr-98 10:35	04/21/98
Stream Site 17	3499.14	Aqueous	21-Apr-98 10:40	04/21/98
Stream Site 03	3499.15	Aqueous	21-Apr-98 11:00	04/21/98
Stream Site 14	3499.16	Aqueous	21-Apr-98 11:10	04/21/98
Stream Site 13	3499.17	Aqueous	21-Apr-98 11:20	04/21/98

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

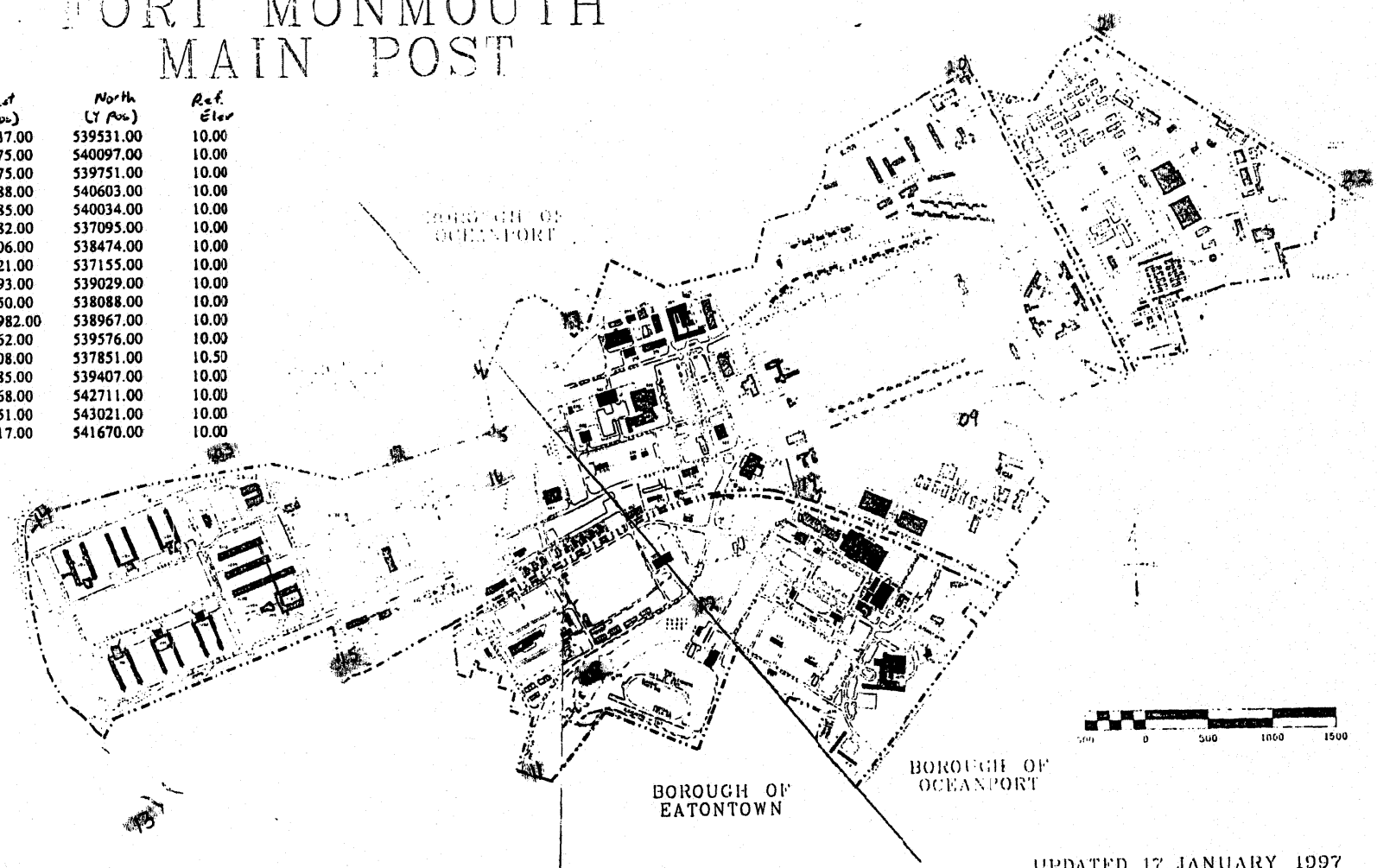
ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

1. 20-98

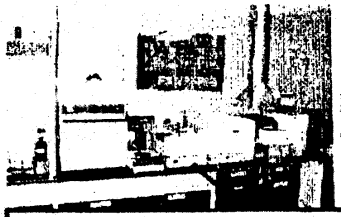
Daniel Wright/Date
Laboratory Director

FORT MONMOUTH
MAIN POST

Stream #	East (X Pos)	North (Y Pos)	Ref. Elev
3	2169937.00	539531.00	10.00
4	2171575.00	540097.00	10.00
5	2171575.00	539751.00	10.00
7	2172388.00	540603.00	10.00
9	2175685.00	540034.00	10.00
11	2171882.00	537095.00	10.00
12	2173506.00	538474.00	10.00
13	2168521.00	537155.00	10.00
14	2167893.00	539029.00	10.00
15	2170350.00	538088.00	10.00
16	21716982.00	538967.00	10.00
17	2170762.00	539576.00	10.00
18	2172408.00	537851.00	10.50
19	2174185.00	539407.00	10.00
20	2175568.00	542711.00	10.00
21	2176751.00	543021.00	10.00
22	2178717.00	541670.00	10.00



UPDATED 17 JANUARY 1997



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: Joe Fallon
Phone #: X 26223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: Second Quarter Streams

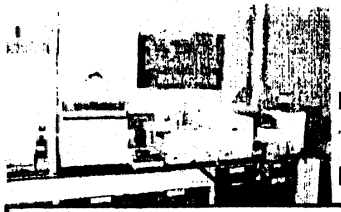
Samplers Name / Company : Scott W. Lisa D. TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Temp. C°	pH	Diss. O_2	% Salinity	VOA	NH_3	PO_4, SO_4, NO_3	Total Coliform	Remarks / Preservation Method
3499 .01	Stream Site #22	4/21/98	0820	Aq	5	13.5	6.60	7.03	15	X	X	X	X	All samples kept <4 C°
.02	#21	4/21/98	0835	Aq	5	12.9	6.81	6.93	15	X	X	X	X	NH_3 - H_2SO_4
.03	#20	4/21/98	0845	Aq	5	12.4	6.79	8.60	10	X	X	X	X	VOA-HCL
.04	Ht: 1.00 #09	4/21/98	0900	Aq	5	12.6	6.82	9.48	3	X	X	X	X	19 250ml plastic w/H_2SO_4
.05	#19	4/21/98	0905	Aq	5	12.9	6.87	9.48	1	X	X	X	X	19 250ml
.06	Ht: 7.30 #12	4/21/98	0915	Aq	5	12.2	6.62	8.96	1	X	X	X	X	19 Whirl Bags
.07	#18	4/21/98	0930	Aq	5	12.2	10.42	10.58	1	X	X	X	X	40 VOA 40ml w/HCL
.08	#11	4/21/98	0940	Aq	5	11.9	6.72	10.32	1	X	X	X	X	
.09	#15	4/21/98	0945	Aq	5	12.9	6.88	10.81	1	X	X	X	X	
.10	Ht: NOT ENOUGH #16	4/21/98	1000	Aq	5	12.9	6.90	11.41	1	X	X	X	X	
.11	Ht: 0.66 #07	4/21/98	1010	Aq	5	12.3	6.99	10.81	1	X	X	X	X	
.12	#04	4/21/98	1030	Aq	5	13.5	6.90	11.27	1	X	X	X	X	
.13	#05	4/21/98	1035	Aq	5	13.5	6.92	10.99	1	X	X	X	X	
.14	#17	4/21/98	1040	Aq	5	12.8	6.97	11.37	1	X	X	X	X	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
T. DeBenedetto	4/21/98 1245				
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
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: Joe Fallon	Project No:	Analysis Parameters								**Comments:**
Phone #: X 26223	Location: Second Quarter Streams	Temp. C°	pH	Diss. O_2	Salinity	VOA	NH_3	PO_4, SO_4, NO_3	Total Coliform	
(X)DERA ( )OMA ( )Other:_____										

Samplers Name / Company : Scott W. Lisa D. TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Temp. C°	pH	Diss. O_2	Salinity	VOA	NH_3	PO_4, SO_4, NO_3	Total Coliform	Remarks / Preservation Method
34199 .15	Stream Site #03	4/21/98	1100	Aq	5	12.2	6.91	10.72	1	X	X	X	X	All samples kept <4 C°
.16	#14	4/21/98	1110	Aq	5	12.4	6.96	9.80	1	X	X	X	X	NH3 - H_2SO_4
.17	#13	4/21/98	1120	Aq	5	14.6	6.90	10.92	1	X	X	X	X	VOA-HCL
.18	Trip Blank	4/21/98		Aq	2					X				19 250ml plastic w/H_2SO_4
.19	Field Blank	4/21/98		Aq	5					X	X	X	X	19 250ml
.20	Field Dup.	4/21/98	1120	Aq	5	14.6	6.92	10.59	1	X	X	X	X	19 Whirl Bags
														40 VOA 40ml w/HCL

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
L. DeBenedetto	4/21/98 1245	J. Verguson			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (X)Full, (_)Reduced, (_)Standard, (_)Screen / non-certified

Turnaround Time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

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

Data File	**VB00227.d**	Sample Name	**VBLK05**
Operator	**Skelton**	Field ID	**VBLK05**
Date Acquired	**29-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB00257.d**	Sample Name	**VBLK06**
Operator	**Skelton**	Field ID	**VBLK06**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB00262.d**	Sample Name	**3499.18**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride	12.79	161897	17.54 ug/L	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB00263.d**	Sample Name	**3499.19**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride	12.81	1162261	125.58 ug/L	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB00259.d**	Sample Name	**3499.15**
Operator	**Skelton**	Field ID	**StreamSite#03**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13 5	1 49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb00251.d**	Sample Name	**3499.12**
Operator	**Skelton**	Field ID	**SreamSite#04**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb00252.d**	Sample Name	**3499.13**
Operator	**Skelton**	Field ID	**SreamSite#05**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene	26.64	45415	4.48 ug/L	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb00250.d**	Sample Name	**3499.11**
Operator	**Skelton**	Field ID	**SreamSite#07**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene	26.64	24804	2.40 ug/L	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb00243.d**	Sample Name	**3499.04**
Operator	**Skelton**	Field ID	**SreamSite#09**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.19	70087	4.73 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB00247.d**	Sample Name	**3499.08**
Operator	**Skelton**	Field ID	**StreamSite#11**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.19	312894	21.66 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene	21.67	19429	1.82 ug/L	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
124-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB00245.d**	Sample Name	**3499.06**
Operator	**Skelton**	Field ID	**StreamSite#12**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB00261.d**	Sample Name	**3499.17**
Operator	**Skelton**	Field ID	**StreamSite#13**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75 01 4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB00260.d**	Sample Name	**3499.16**
Operator	**Skelton**	Field ID	**StreamSite#14**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB00248.d**	Sample Name	**3499.09**
Operator	**Skelton**	Field ID	**StreamSite#15**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.19	17942	1.22 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene	21.67	12843	1.21 ug/L	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene	26.64	60165	5.72 ug/L	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb00249.d**	Sample Name	**3499.10**
Operator	**Skelton**	Field ID	**SreamSite#16**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene	26.64	47265	4.58 ug/L	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb00258.d**	Sample Name	**3499.14**
Operator	**Skelton**	Field ID	**SreamSite#17**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB00246.d**	Sample Name	**3499.07**
Operator	**Skelton**	Field ID	**StreamSite#18**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb00244.d**	Sample Name	**3499.05**
Operator	**Skelton**	Field ID	**SreamSite#19**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene	17.19	100916	6.86 ug/L	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb00242.d**	Sample Name	**3499.03**
Operator	**Skelton**	Field ID	**SreamSite#20**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2 Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb00241.d**	Sample Name	**3499.02**
Operator	**Skelton**	Field ID	**SreamSite#21**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**Vb00240.d**	Sample Name	**3499.01**
Operator	**Skelton**	Field ID	**SreamSite#22**
Date Acquired	**29-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	780	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	Reserved	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	525	2.61 ug/L	
74-83-9	Bromomethane			not detected	4000	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	nle	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	1600	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	nle	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	470	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	nle	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	6.31	1.20 ug/L	
71-43-2	Benzene			not detected	71	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	99	1.27 ug/L	
79-01-6	Trichloroethene			not detected	81	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	22	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	200000	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1700	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	nle	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	4.29	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	nle	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	21000	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	27900	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	360	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	nle	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	22200	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	3159	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	16500	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB00264.d**	Sample Name	**3499.20**
Operator	**Skelton**	Field ID	**Field Dup**
Date Acquired	**30-Aug-98**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	320	6.25 ug/L	
107131	Acrylonitrile			not detected	0.665	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	5.7	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	0.083	2.61 ug/L	
74-83-9	Bromomethane			not detected	48.4	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	4.81	0.74 ug/L	
67-64-1	Acetone			not detected	nle	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride			not detected	2.49	1.66 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	592	0.50 ug/L	
75-35-3	1,1-Dichloroethane			not detected	nle	0.83 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	2.07 ug/L	
78-93-3	2-Butanone			not detected	nle	2.06 ug/L	
	cis-1,2-Dichloroethene			not detected	nle	0.65 ug/L	
67-66-3	Chloroform			not detected	5.67	0.43 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	127	0.81 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.363	1.20 ug/L	
71-43-2	Benzene			not detected	0.15	0.51 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.291	1.27 ug/L	
79-01-6	Trichloroethene			not detected	1.09	0.94 ug/L	
78-87-5	1,2-Dichloropropane			not detected	nle	0.78 ug/L	
75-27-4	Bromodichloromethane			not detected	0.266	0.77 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.05 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.60 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	1.33 ug/L	
108-88-3	Toluene			not detected	7440	0.73 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	0.193	1.43 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.5	1.49 ug/L	
127-18-4	Tetrachloroethene			not detected	0.388	0.92 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.12 ug/L	
126-48-1	Dibromochloromethane			not detected	72.6	1.36 ug/L	
108-90-7	Chlorobenzene			not detected	22	0.66 ug/L	
100-41-4	Ethylbenzene			not detected	3030	1.14 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.53 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.92 ug/L	
100-42-5	Styrene			not detected	nle	1.57 ug/L	
75-25-2	Bromoform			not detected	4.38	1.68 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.72	1.71 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	2620	2.51 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	343	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	2520	2.75 ug/L	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

Stream Water Analysis
April 1998

Sample ID	Date Sampled	Stream Site#	pH	Ammonia (mg/L)	Nitrate (mg/L)	Phosphate (mg/L)	Sulfate (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)
3499.01	04/21/98	22	6.60	0.680	0.30	0.23	1100	7.03	<1	100
3499.02	04/21/98	21	6.81	0.250	ND	0.29	1600	6.93	60	120
3499.03	04/21/98	20	6.79	0.220	ND	0.22	1500	8.60	240	780
3499.04	04/21/98	09	6.82	0.198	0.50	0.33	74	9.48	<1	320
3499.05	04/21/98	19	6.87	0.745	0.50	0.18	19	9.48	240	14600
3499.06	04/21/98	12	6.62	0.288	2.40	0.28	38	8.96	<1	200
3499.07	04/21/98	18	10.42	0.469	1.80	0.25	27	10.58	<1	<1
3499.08	04/21/98	11	6.72	0.343	1.60	0.16	22	10.32	40	460
3499.09	04/21/98	15	6.88	0.785	ND	0.14	23	10.81	520	1300
3499.10	04/21/98	16	6.90	0.920	ND	0.11	27	11.41	420	1280
3499.11	04/21/98	07	6.90	0.848	ND	0.28	26	10.81	280	1320
3499.12	04/21/98	04	6.90	0.916	ND	0.26	25	11.27	360	1400
3499.13	04/21/98	05	6.92	0.962	0.20	0.59	26	10.99	720	1060
3499.14	04/21/98	17	6.97	0.269	0.30	0.26	25	11.37	240	740
3499.15	04/21/98	03	6.91	0.347	0.80	0.12	29	10.72	80	280
3499.16	04/21/98	14	6.96	0.234	0.50	0.23	24	9.80	160	980
3499.17	04/21/98	13	10.92	0.745	ND	0.14	25	10.92	360	1220

mg/L = parts per million
cfu = colony forming units
ND = Not detected

Completed:04/28/98
Reviewed: 04/28/98

Daniel K. Wright
Laboratory Director

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: Streams/3th Qtr.

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site 22	3816.01	Aqueous	19-Aug-98 10:05	08/19/98
Stream Site 21	3816.02	Aqueous	19-Aug-98 10:25	08/19/98
Stream Site 20	3816.03	Aqueous	19-Aug-98 10:35	08/19/98
Stream Site 09	3816.04	Aqueous	19-Aug-98 10:45	08/19/98
Stream Site 19	3816.05	Aqueous	19-Aug-98 11:00	08/19/98
Stream Site 12	3816.06	Aqueous	19-Aug-98 11:10	08/19/98
Stream Site 18	3816.07	Aqueous	19-Aug-98 11:20	08/19/98
Stream Site 11	3816.08	Aqueous	19-Aug-98 11:30	08/19/98
Stream Site 15	3816.09	Aqueous	19-Aug-98 11:50	08/19/98
Stream Site 16	3816.10	Aqueous	19-Aug-98 12:45	08/19/98
Stream Site 05	3816.11	Aqueous	19-Aug-98 13:05	08/19/98
Stream Site 04	3816.12	Aqueous	19-Aug-98 13:15	08/19/98
Stream Site 07	3816.13	Aqueous	19-Aug-98 13:30	08/19/98
Stream Site 17	3816.14	Aqueous	19-Aug-98 13:40	08/19/98
Stream Site 03	3816.15	Aqueous	19-Aug-98 14:05	08/19/98
Stream Site 14	3816.16	Aqueous	19-Aug-98 14:20	08/19/98
Stream Site 13	3816.17	Aqueous	19-Aug-98 14:30	08/19/98

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Bhaskar M. Rao
For Daniel Wright 09/01/98
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)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: Joe Fallon | Project No: | Location: 3rd Qtr Streams

Phone #: 26223

(✓)ERA ( )OMA ( )Other:_____

Samplers Name / Company: CPM / LD TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA	NH_3	PO_4, SO_4, NO_3	Total Cd;	°C Temp	pH	Diss O_2	Salinity %	Remarks / Preservation Method
38160 .01	SS 22	8-19-98	1005	AQ	5	✓	✓	✓	✓	23.6	6.52	2.61	1.018	26%
.02	21		1025		5	✓	✓	✓	✓	24.8	6.67	3.65	1.017	24%
.03	20		1035		5	✓	✓	✓	✓	26.8	6.81	2.86	1.018	23%
.04	HT: 2.11 09		1045		5	✓	✓	✓	✓	24.5	6.83	3.32	1.003	3%
.05	19		1100		5	✓	✓	✓	✓	24.5	6.72	2.54	1.0	0%
.06	12		1110		5	✓	✓	✓	✓	24.9	6.80	3.51	1.0	0%
.07	18		1120		5	✓	✓	✓	✓	27.3	6.93	4.16	1.0	0%
.08	Wt: ? 11		1130		5	✓	✓	✓	✓	26.8	6.93	4.18	1.0	0%
.09	15		1150		5	✓	✓	✓	✓	27.4	6.84	3.61	1.0	0%
.10	? 16		1245		5	✓	✓	✓	✓	24.5	6.81	3.12	1.0	0%
.11	5		1305		5	✓	✓	✓	✓	26.6	6.83	3.27	1.0	0%
.12	4		1315		5	✓	✓	✓	✓	26.6	6.86	3.12	1.0	0%
.13	? 7		1330		5	✓	✓	✓	✓	27.1	6.80	3.01	1.002	4%
.14	17	↓	1340	↓	5	✓	✓	✓	✓	28.9	6.71	3.37	1.000	1%

Comments: HCL/HNO_3/4°C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
CPM/LB	8/19/98 1500				

Report Type: (_)Full, (_)Reduced, (✓)Standard, (_)Screen / non-certified

Turnaround time: (✓)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks: Started at beginning of out going Tide.

SAMPLE RECEIPT FORM

Date Received: 8-19-98 Lab Project ID#: 3816

Site/Project Name: 3RD Quart. Stream Cooler Temp (deg. C): -0.3C

Received By: J. Ventura Sign: J. Ventura
(print name)

Check the appropriate answer

1. Did the samples come in a cooler? ☑ yes ☐ no ☐ NA
2. Were the chain of custody papers filled out correctly and legibly? ☑ yes ☐ no
3. Did you sign the chain of custody in the appropriate place? ☑ yes ☐ no
4. Did all the labels agree with the chain of custody and in good condition? ☑ yes ☐ no
5. Were the correct containers and/or preservatives used for the tests indicated? ☑ yes ☐ no
6. Was a sufficient amount of sample sent for the tests indicated? ☑ yes ☐ no
7. Were bubbles absent from aqueous VOC sample containers? ☑ yes ☐ no ☐ NA

Fill out the following table for each sample bottle

Sample ID	pH	Preservative	Sample ID	pH	Preservative
3816. 01	<2	H_2SO_4	3816. 15	<2	H_2SO_4
02			16		
03			17		
04			18		
05			19		
06					
07					
08					
09					
10					
11					
12					
13					
14	"	"			

Comments: _____

5
19
-2
7C

F0201.d0c

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: Joe Fallon
Phone #: 2623
(✓)ERA ( )OMA ( )Other:_____
Project No:
Location: 3rd Qrtr Streams
Samplers Name / Company : CPM / LD TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA	NH_3	PO_4, SO_4, NO_3	Total Col.	°C Temp	pH	D.O. O_2	Salinity %	Comments: Remarks / Preservation Method
3816. .15	SS 3	8-19-98	1405	AQ	5	✓	✓	✓	✓	30.5	6.90	2.88	1.00	HCL / HNO_3 / 4°C 0%
.16	14		1420		5	✓	✓	✓	✓	26.9	6.99	3.65	1.00	0%
.17	13		1430		5	✓	✓	✓	✓	26.5	6.95	4.35	1.0	0%
.18	Field Blank		1435		4	✓	✓	✓	✓	26.3	6.95	4.33	1.0	0% 8/19/98
.19	Dupe		—		5	✓	✓	✓	✓	26.3	6.95	4.33	1.0	0%
.20	Trip				2	✓								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
CPM/LD	8/19/98 1500				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (✓)Standard, (_)Screen / non-certified
Turnaround time: (✓)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

print legibly

coc.XLS8/12/98

SAMPLE RECEIPT FORM

Date Received: 8-19-98 Lab Project ID#: 3816

Site/Project Name: 3RD Quart. Stream Cooler Temp (deg. C): 0.3°

Received By: J. Vergara Sign: J. Vergara
(print name)

Check the appropriate answer

1. Did the samples come in a cooler?	☑ yes	☐ no	☐ NA
2. Were the chain of custody papers filled out correctly and legibly?	☑ yes	☐ no	
3. Did you sign the chain of custody in the appropriate place?	☑ yes	☐ no	
4. Did all the labels agree with the chain of custody and in good condition?	☑ yes	☐ no	
5. Were the correct containers and/or preservatives used for the tests indicated?	☑ yes	☐ no	
6. Was a sufficient amount of sample sent for the tests indicated?	☑ yes	☐ no	
7. Were bubbles absent from aqueous VOC sample containers?	☑ yes	☐ no	☐ NA

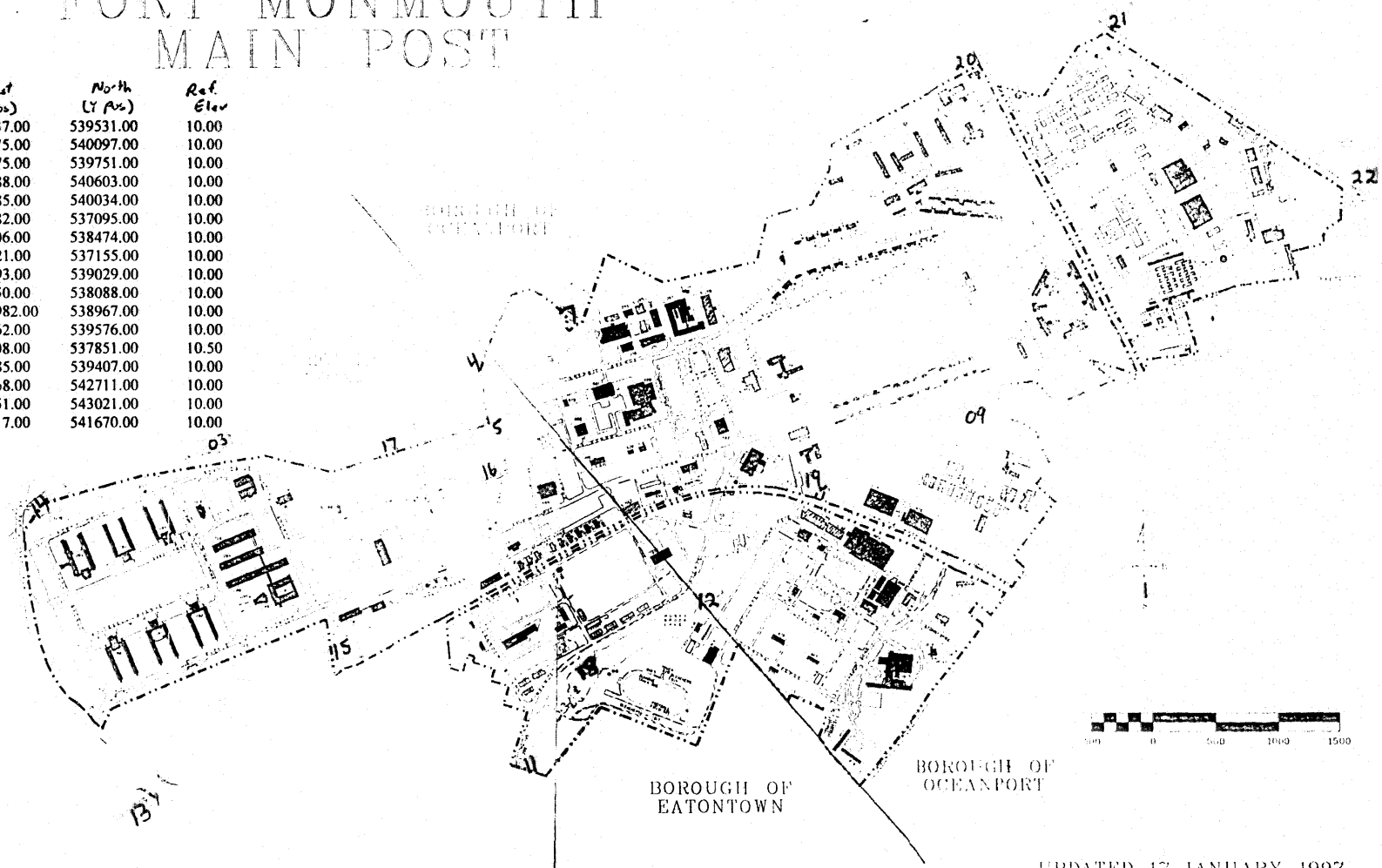
Fill out the following table for each sample bottle

Sample ID	pH	Preservative	Sample ID	pH	Preservative
3816.01	<2	HCl	3816.15	<2	HCl
02			16		
03			17		
04			18		
05			19		
06			20		
07					
08					
09					
10					
11					
12					
13					
14					

Comments: _____

FORT MONMOUTH
MAIN POST

Stream #	East (X Axis)	North (Y Axis)	Ref. Elev
3	2169937.00	539531.00	10.00
4	2171575.00	540097.00	10.00
5	2171575.00	539751.00	10.00
7	2172388.00	540603.00	10.00
9	2175685.00	540034.00	10.00
11	2171882.00	537095.00	10.00
12	2173506.00	538474.00	10.00
13	2168521.00	537155.00	10.00
14	2167893.00	539029.00	10.00
15	2170350.00	538088.00	10.00
16	21716982.00	538967.00	10.00
17	2170762.00	539576.00	10.00
18	2172408.00	537851.00	10.50
19	2174185.00	539407.00	10.00
20	2175568.00	542711.00	10.00
21	2176751.00	543021.00	10.00
22	2178717.00	541670.00	10.00



UPDATED 17 JANUARY 1997

CASE NARRATIVE

Site: 3rd Quarter Streams
Lab ID: 3816

The duplicate analysis was performed on SS-13 (3816.17).

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

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

Data File Nam	**vb01275.d**	Sample Name	**VBLK37**
Operator	**Skelton**	Field ID	**VBLK37**
Date Acquired	**21 Aug 1998 10:14 am**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

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

Data File Nam	**VB01340.D**	Sample Name	**VBLK40**
Operator	**Skelton**	Field ID	**VBLK40**
Date Acquired	**27 Aug 1998 11:40 am**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

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

Data File Nam **vb01372.d**
Operator **Skelton**
Date Acquired **31 Aug 1998 5:20 pm**

Sample Name **VBLK41**
Field ID **VBLK41**
Sample Multiplier **1**

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

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

Qualifiers

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

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

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

Data File Nam **vb01292.d**
Operator **Skelton**
Date Acquired **21 Aug 1998 11:38 pm**

Sample Name **3816.01**
Field ID **SS22**
Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
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	13.43	742251	4.50 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-Dichloropropen			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Nam	**vb01293.d**	Sample Name	**3816.02**
Operator	**Skelton**	Field ID	**SS21**
Date Acquired	**22 Aug 1998 12:23 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
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	13.43	752664	4.71 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-Dichloropropen			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Nam	**vb01294.d**	Sample Name	**3816.03**
Operator	**Skelton**	Field ID	**SS20**
Date Acquired	**22 Aug 1998 1:09 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
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	13.42	746532	4.85 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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-Dichloropropen			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Nam	vb01295.d	Sample Name	3816.04
Operator	Skelton	Field ID	SS09
Date Acquired	22 Aug 1998 1:54 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.21	119754	1.69 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			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-Dichloropropen			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Nam	**vb01296.d**	Sample Name	**3816.05**
Operator	**Skelton**	Field ID	**SS19**
Date Acquired	**22 Aug 1998 2:40 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.21	206935	2.95 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			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-Dichloropropen			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Nam	**vb01297.d**	Sample Name	**3816.06**
Operator	**Skelton**	Field ID	**SS12**
Date Acquired	**22 Aug 1998 3:25 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.20	319132	4.58 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			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-Dichloropropen			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Nam	**vb01298.d**	Sample Name	**3816.07**
Operator	**Skelton**	Field ID	**SS18**
Date Acquired	**22 Aug 1998 4:10 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.21	322371	4.65 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			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-Dichloropropen			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Nam	**VB01299.D**	Sample Name	**3816.08**
Operator	**Skelton**	Field ID	**SS11**
Date Acquired	**22 Aug 1998 4:55 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.21	811374	11.73 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			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-Dichloropropen			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Nam	**vb01300.d**	Sample Name	**3816.09**
Operator	**Skelton**	Field ID	**SS15**
Date Acquired	**22 Aug 1998 5:41 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.20	263541	3.89 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	21.69	128922	2.06 ug/L	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropen			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	26.66	369772	5.39 ug/L	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Nam	**vb01301.d**	Sample Name	**3816.10**
Operator	**Skelton**	Field ID	**SS16**
Date Acquired	**22 Aug 1998 6:26 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.20	199755	2.94 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	21.68	101130	1.63 ug/L	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropen			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	26.66	296424	4.33 ug/L	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Nam	**vb01341.d**	Sample Name	**3816.11**
Operator	**Skelton**	Field ID	**SS 5**
Date Acquired	**27 Aug 1998 1:20 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.21	152046	2.28 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	21.68	75058	1.27 ug/L	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropen			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	26.66	208975	3.39 ug/L	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Nam	**vb01342.d**	Sample Name	**3816.12**
Operator	**Skelton**	Field ID	**SS 4**
Date Acquired	**27 Aug 1998 2:07 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.19	123499	1.92 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	21.68	63407	1.10 ug/L	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropen			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	26.66	169314	2.85 ug/L	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Nam	VB01373.D	Sample Name	3816.13
Operator	Skelton	Field ID	SS7
Date Acquired	31 Aug 1998 6:06 pm	Sample Multiplier	1

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

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

Qualifiers

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

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

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

Data File Nam	**vb01344.d**	Sample Name	**3816.14**
Operator	**Skelton**	Field ID	**SS 17**
Date Acquired	**27 Aug 1998 4:16 pm**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

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

Data File Nam	**vb01345.d**	Sample Name	**3816.15**
Operator	**Skelton**	Field ID	**SS 3**
Date Acquired	**27 Aug 1998 5:05 pm**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

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

Data File Nam	**vb01346.d**	Sample Name	**3816.16**
Operator	**Skelton**	Field ID	**SS 14**
Date Acquired	**27 Aug 1998 5:55 pm**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

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

Data File Nam	**vb01347.d**	Sample Name	**3816.17**
Operator	**Skelton**	Field ID	**SS 13**
Date Acquired	**27 Aug 1998 6:43 pm**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

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

Data File Nam **vb01348.d**
Operator **Skelton**
Date Acquired **27 Aug 1998 7:32 pm**

Sample Name **3816.18**
Field ID **Field Blank**
Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	17.68	118569	1.66 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-Dichloropropen			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Nam	**vb01349.d**	Sample Name	**3816.19**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**27 Aug 1998 8:20 pm**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

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

Data File Nam	**vb01350.d**	Sample Name	**3816.20**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**27 Aug 1998 9:07 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	17.68	112191	1.64 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-Dichloropropen			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

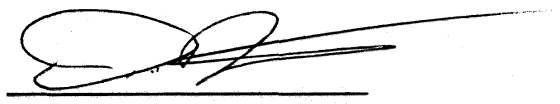
Stream Water Analysis

August 1998

Sample ID	Date Sampled	Stream Site#	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphates (mg/L)	Sulfates (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
3816.01	08/19/98	22	6.52	0.310	ND	0.02	1750	2.61	1060	40	26
3816.02	08/19/98	21	6.67	0.200	0.4	0.01	1600	3.65	1160	45	24
3816.03	08/19/98	20	6.81	0.214	ND	0.04	1500	2.91	1100	140	23
3816.04	08/19/98	09	6.83	0.384	ND	2.62	70	3.32	2560	640	3
3816.05	08/19/98	19	6.72	0.407	0.2	0.12	21	2.54	2180	180	0
3816.06	08/19/98	12	6.80	0.275	0.9	0.46	19	3.51	2980	340	0
3816.07	08/19/98	18	6.92	0.122	1.1	1.35	18	4.46	3180	280	0
3816.08	08/19/98	11	6.93	ND	1.7	6.25	19	4.18	3000	740	0
3816.09	08/19/98	15	6.84	0.268	0.6	5.60	24	3.61	1960	300	0
3816.10	08/19/98	16	6.81	0.354	0.1	2.33	65	3.12	1640	320	0
3816.11	08/19/98	05	6.83	0.468	ND	2.28	125	3.27	3840	620	0
3816.12	08/19/98	04	6.86	0.474	ND	0.01	145	3.12	3760	720	0
3816.13	08/19/98	07	6.80	0.578	ND	0.06	280	3.01	8300	700	4
3816.14	08/19/98	17	6.91	0.614	ND	1.54	45	3.37	>20000	420	1
3816.15	08/19/98	03	6.90	0.435	ND	1.38	55	2.88	>20000	1020	0
3816.16	08/19/98	14	6.99	ND	ND	0.27	24	3.65	11300	260	0
3816.17	08/19/98	13	6.95	0.246	ND	0.02	22	4.35	>20000	360	0

mg/L = parts per million
cfu = colony forming units
ND = Not detected

Completed:09/08/98
Reviewed: 09/08/98



Daniel K. Wright

Laboratory Director

	Lab	Methylene Chloride
Units:	-	ug/l
NJDEP Criteria:	-	2
04/08/97	FMETL	2.00
07/17/97	FMETL	ND
10/30/97	FMETL	ND
02/10/98	FMETL	ND
04/21/98	FMETL	ND
08/19/98	FMETL	ND

SOURCE: 3

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

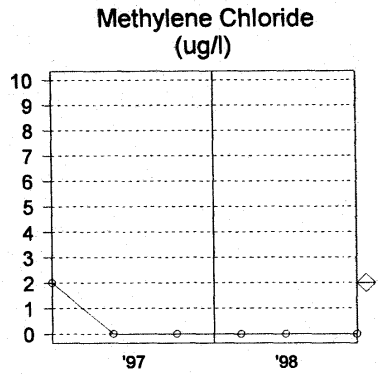
Fort Monmouth

GW Monitoring
Streams

Well 1 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf



SOURCE: 3

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 1 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1
04/08/97	FMETL	2.18	ND	ND
07/17/97	FMETL	1.63	ND	1.61
10/30/97	FMETL	ND	ND	1.24
02/10/98	FMETL	ND	ND	6.61
04/21/98	FMETL	ND	ND	4.42
08/19/98	FMETL	1.92	1.10	2.85

SOURCE: 4

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

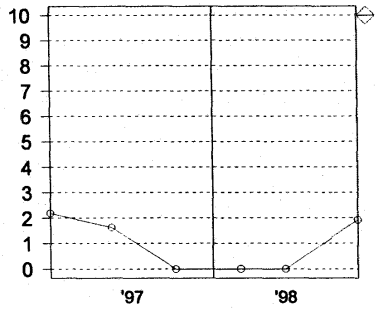
Fort Monmouth

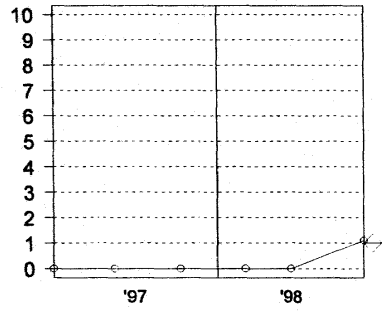
GW Monitoring
Streams

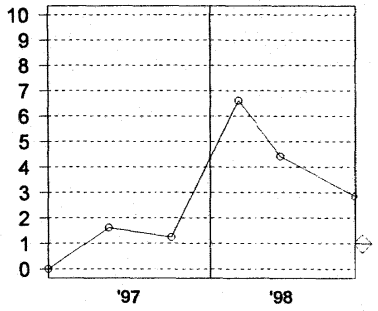
Well 2 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 4

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 2 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2	10	1	1
04/08/97	FMETL	1.96	1.80	ND	2.26
07/17/97	FMETL	ND	3.66	ND	3.54
10/30/97	FMETL	ND	1.83	ND	1.70
02/10/98	FMETL	ND	ND	ND	6.34
04/21/98	FMETL	ND	ND	ND	4.48
08/19/98	FMETL	ND	2.28	1.27	3.39

SOURCE: 5

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

Fort Monmouth

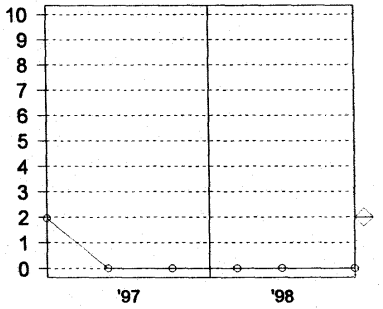
GW Monitoring
Streams

Well 3 of 17

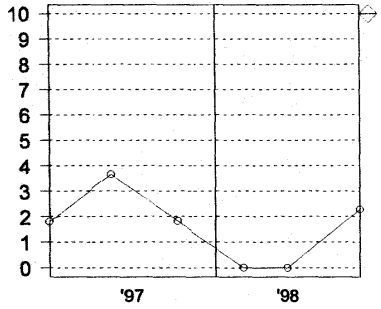
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

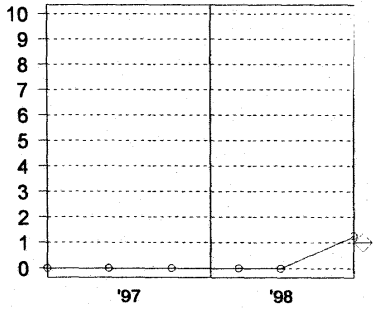
Methylene Chloride
(ug/l)



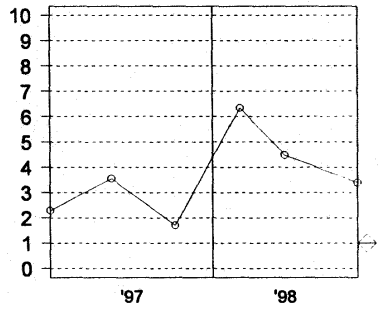
cis-1,2-Dichloroethene
(ug/l)



Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



SOURCE: 5

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 3 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Tetrachloroethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	10	1
04/08/97	FMETL	ND	ND
07/17/97	FMETL	1.14	1.08
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	2.04
04/21/98	FMETL	ND	2.40
08/19/98	FMETL	ND	ND

SOURCE: 7

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

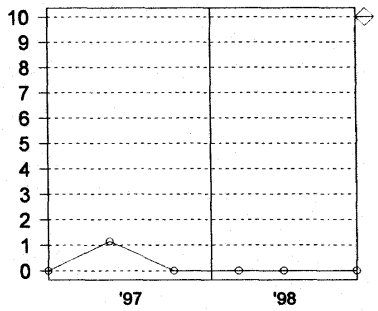
Fort Monmouth

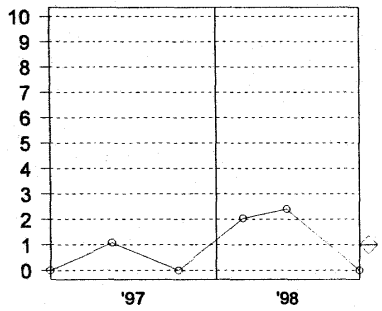
GW Monitoring
Streams

Well 4 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\stream~1~w\streams.wsf





SOURCE: 7

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 4 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

03-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	2	10
04/08/97	FMETL	1.82	2.78
07/17/97	FMETL	ND	ND
10/30/97	FMETL	ND	2.14
02/10/98	FMETL	ND	6.00
04/21/98	FMETL	ND	4.73
08/19/98	FMETL	ND	1.69

SOURCE: 9

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

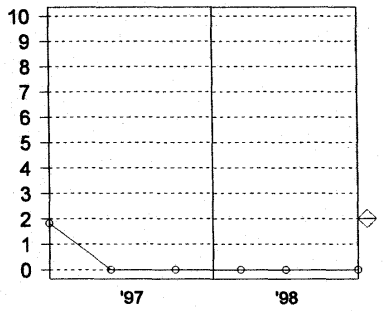
Fort Monmouth

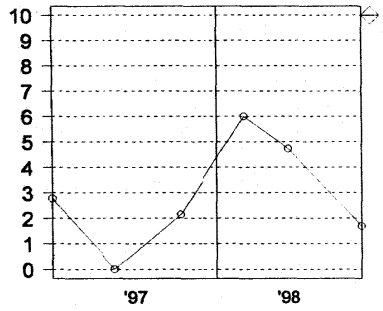
GW Monitoring
Streams

Well 5 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\stream_flow\streams.wsf





SOURCE: 9

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 5 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	10	1
04/08/97	FMETL	18.72	1.58
07/17/97	FMETL	14.13	ND
10/30/97	FMETL	18.23	ND
02/10/98	FMETL	24.71	2.14
04/21/98	FMETL	21.66	1.82
08/19/98	FMETL	11.73	ND

SOURCE: 11

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

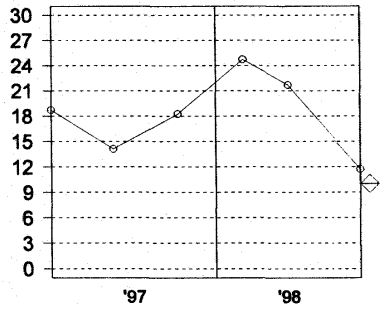
Fort Monmouth

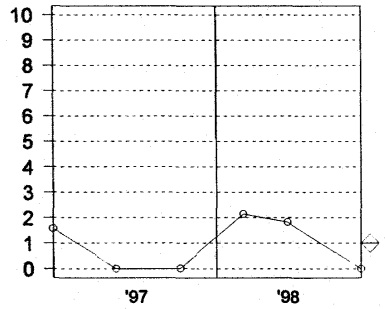
GW Monitoring
Streams

Well 6 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf





SOURCE: 11

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 6 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene
Units:	-	ug/l
NJDEP Criteria:	-	10
04/08/97	FMETL	6.63
07/17/97	FMETL	ND
10/30/97	FMETL	5.67
02/10/98	FMETL	6.54
04/21/98	FMETL	ND
08/19/98	FMETL	4.58

SOURCE: 12

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

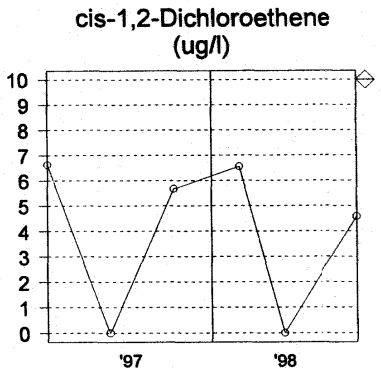
Fort Monmouth

GW Monitoring
Streams

Well 7 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech48\fm\stre[illegible]nw\streams.wsf



SOURCE: 12

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 7 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	Acetone
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	2	700
04/08/97	FMETL	1.91	2.81
07/17/97	FMETL	ND	ND
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	ND

SOURCE: 13

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

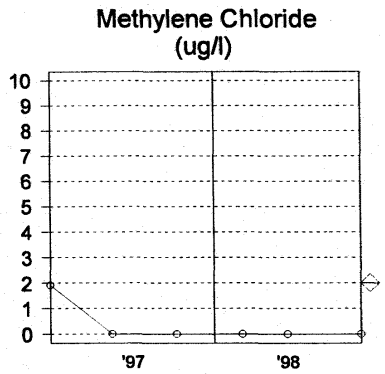
Fort Monmouth

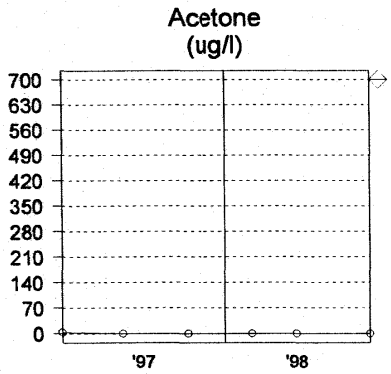
GW Monitoring
Streams

Well 8 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\stre[illegible]gw\streams.wsf





SOURCE: 13

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 8 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Acetone
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	700
04/08/97	FMETL	ND	ND	3.94
07/17/97	FMETL	ND	ND	ND
10/30/97	FMETL	1.59	1.75	ND
02/10/98	FMETL	ND	ND	ND
04/21/98	FMETL	ND	ND	ND
08/19/98	FMETL	ND	ND	ND

SOURCE: 14

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

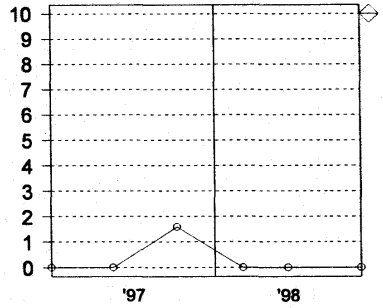
Fort Monmouth

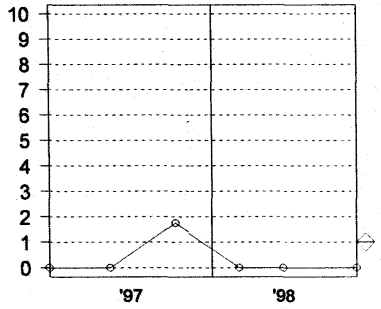
GW Monitoring
Streams

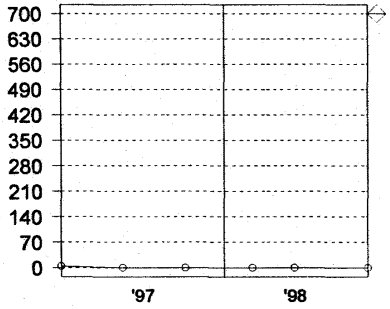
Well 9 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 14

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 9 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1
04/08/97	FMETL	2.69	1.60	6.00
07/17/97	FMETL	5.53	2.50	7.12
10/30/97	FMETL	2.57	ND	2.72
02/10/98	FMETL	ND	1.03	6.90
04/21/98	FMETL	1.22	1.21	5.72
08/19/98	FMETL	3.89	2.06	5.39

SOURCE: 15

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

Fort Monmouth

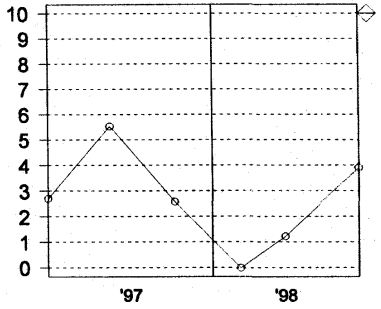
GW Monitoring
Streams

Well 10 of 17

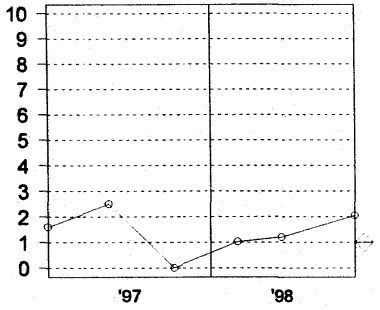
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\stream\streams.wsf

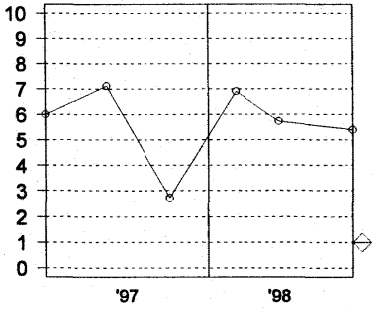
cis-1,2-Dichloroethene
(ug/l)



Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



SOURCE: 15

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 10 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1
04/08/97	FMETL	2.05	1.26	4.47
07/17/97	FMETL	2.55	ND	4.72
10/30/97	FMETL	1.76	ND	1.86
02/10/98	FMETL	ND	ND	6.23
04/21/98	FMETL	ND	ND	4.58
08/19/98	FMETL	2.94	1.63	4.33

SOURCE: 16

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

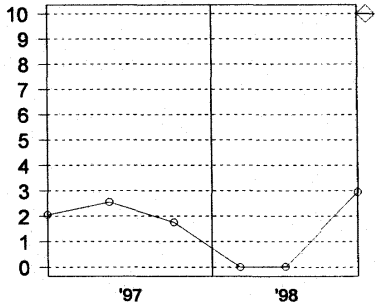
Fort Monmouth

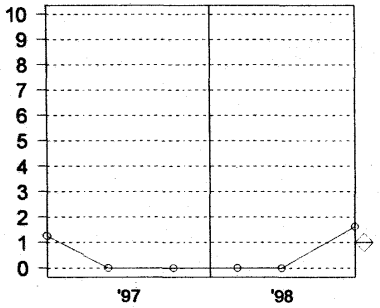
GW Monitoring
Streams

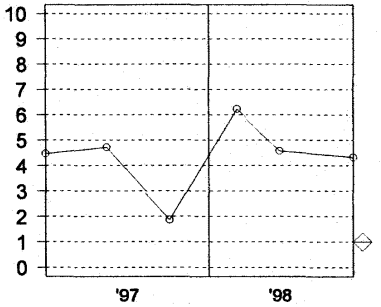
Well 11 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\stre[illegible]w\streams.wsf







SOURCE: 16

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 11 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Acetone	Chloro benzene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	700	4
04/08/97	FMETL	1.97	ND
07/17/97	FMETL	ND	ND
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	1.59
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	ND

SOURCE: 17

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

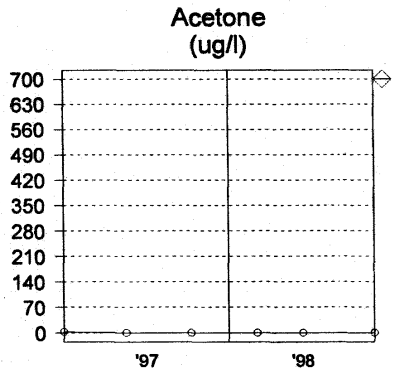
Fort Monmouth

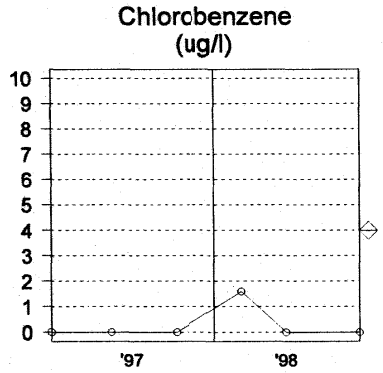
GW Monitoring
Streams

Well 12 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\str· ·w\streams.wsf





SOURCE: 17

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 12 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene
Units:	-	ug/l
NJDEP Criteria:	-	10
04/08/97	FMETL	ND
07/17/97	FMETL	1.06
10/30/97	FMETL	5.87
02/10/98	FMETL	14.36
04/21/98	FMETL	ND
08/19/98	FMETL	4.65

SOURCE: 18

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

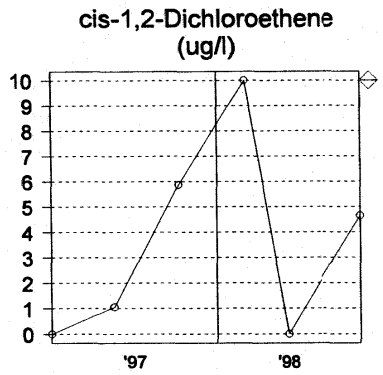
Fort Monmouth

GW Monitoring
Streams

Well 13 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\str...\gw\streams.wsf



SOURCE: 18

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 13 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene
Units:	-	ug/l
NJDEP Criteria:	-	10
04/08/97	FMETL	6.44
07/17/97	FMETL	ND
10/30/97	FMETL	4.69
02/10/98	FMETL	8.22
04/21/98	FMETL	6.86
08/19/98	FMETL	2.95

SOURCE: 19

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

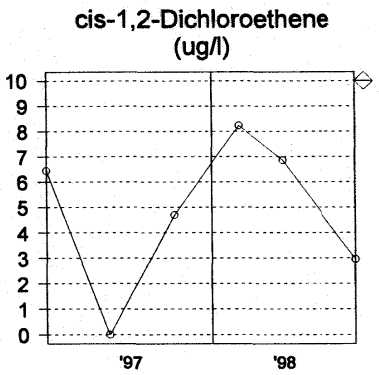
Fort Monmouth

GW Monitoring
Streams

Well 14 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\strear \streams.wsf



SOURCE: 19

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 14 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Ethyl benzene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	700	NLE
04/08/97	FMETL	2.18	ND
07/17/97	FMETL	ND	2.63
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	4.85

SOURCE: 20

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

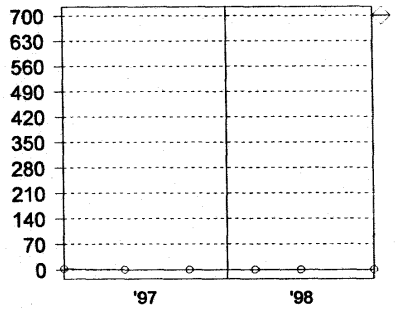
Fort Monmouth

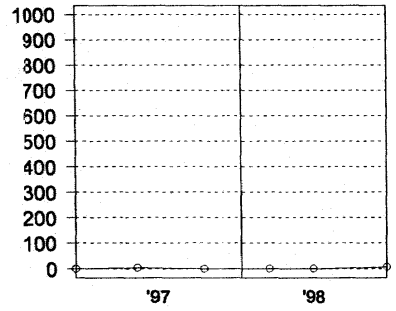
GW Monitoring
Streams

Well 15 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\stre ...w\streams.wsf





SOURCE: 20

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 15 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methyl-tert Butyl ether
Units:	-	ug/l
NJDEP Criteria:	-	NLE
04/08/97	FMETL	ND
07/17/97	FMETL	2.90
10/30/97	FMETL	ND
02/10/98	FMETL	ND
04/21/98	FMETL	ND
08/19/98	FMETL	4.71

SOURCE: 21

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

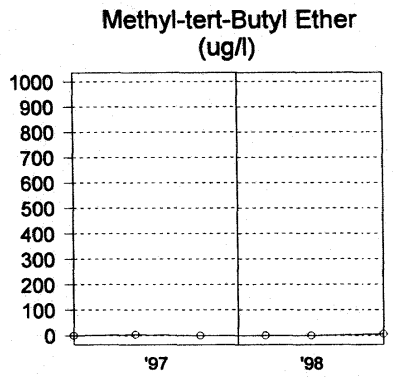
Fort Monmouth

GW Monitoring
Streams

Well 16 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf



SOURCE: 21

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 16 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methyl-tert Butyl ether
Units:	-	ug/l
NJDEP Criteria:	-	NLE
04/08/97	FMETL	ND
07/17/97	FMETL	4.26
10/30/97	FMETL	ND
02/10/98	FMETL	ND
04/21/98	FMETL	ND
08/19/98	FMETL	4.50

SOURCE: 22

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

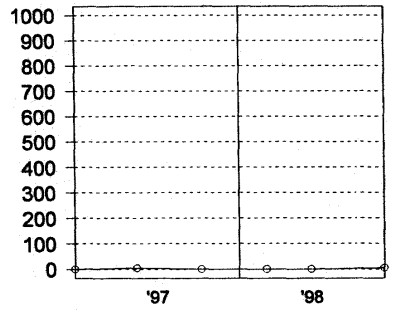
Fort Monmouth

GW Monitoring
Streams

Well 17 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\streams.wsf



SOURCE: 22

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 17 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

09-28-1998 c:\mtech46\fm\streams\gw\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: Streams/4th Qtr.

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site 22	4060.03	Aqueous	17-Nov-98 09:30	11/17/98
Stream Site 21	4060.04	Aqueous	17-Nov-98 09:45	11/17/98
Stream Site 20	4060.05	Aqueous	17-Nov-98 10:00	11/17/98
Stream Site 09	4060.06	Aqueous	17-Nov-98 10:15	11/17/98
Stream Site 19	4060.07	Aqueous	17-Nov-98 10:27	11/17/98
Stream Site 07	4060.08	Aqueous	17-Nov-98 10:43	11/17/98
Stream Site 04	4060.09	Aqueous	17-Nov-98 11:01	11/17/98
Stream Site 05	4060.10	Aqueous	17-Nov-98 11:18	11/17/98
Stream Site 12	4069.03	Aqueous	18-Nov-98 09:45	11/18/98
Stream Site 18	4069.04	Aqueous	18-Nov-98 10:00	11/18/98
Stream Site 11	4069.05	Aqueous	18-Nov-98 10:14	11/18/98
Stream Site 16	4069.06	Aqueous	18-Nov-98 10:26	11/18/98
Stream Site 17	4069.07	Aqueous	18-Nov-98 10:57	11/18/98
Stream Site 15	4069.08	Aqueous	18-Nov-98 10:34	11/18/98
Stream Site 03	4069.09	Aqueous	18-Nov-98 11:07	11/18/98
Stream Site 14	4069.10	Aqueous	18-Nov-98 11:18	11/18/98
Stream Site 13	4069.11	Aqueous	18-Nov-98 11:29	11/18/98

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Bhaskar M. Patel
for Daniel Wright 11/30/98
Daniel Wright/Date
Laboratory Director

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
NJDEP LABORATORY CERTIFICATION # 13461

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: Quarterly Streams

4TH Quarter Streams/Day 1

Field Location No. & Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Trip Blank	4060.01	Aqueous	17-Nov-98 08:30	11/17/98
Field Blank	4060.02	Aqueous	17-Nov-98 09:00	11/17/98
Stream Site #22	4060.03	Aqueous	17-Nov-98 09:30	11/17/98
Stream Site #21	4060.04	Aqueous	17-Nov-98 09:45	11/17/98
Stream Site #20	4060.05	Aqueous	17-Nov-98 10:00	11/17/98
Stream Site #09	4060.06	Aqueous	17-Nov-98 10:15	11/17/98
Stream Site #19	4060.07	Aqueous	17-Nov-98 10:27	11/17/98
Stream Site #07	4060.08	Aqueous	17-Nov-98 10:43	11/17/98
Stream Site #04	4060.09	Aqueous	17-Nov-98 11:01	11/17/98
Stream Site #05	4060.10	Aqueous	17-Nov-98 11:18	11/17/98
Dup.	4060.11	Aqueous	17-Nov-98	11/17/98
Trip Blank	4069.01	Aqueous	18-Nov-98 08:45	11/18/98
Field Blank	4069.02	Aqueous	18-Nov-98 09:00	11/18/98
Stream Site #12	4069.03	Aqueous	18-Nov-98 09:45	11/18/98
Stream Site #18	4069.04	Aqueous	18-Nov-98 10:00	11/18/98
Stream Site #11	4069.05	Aqueous	18-Nov-98 10:14	11/18/98
Stream Site #16	4069.06	Aqueous	18-Nov-98 10:26	11/18/98
Stream Site #17	4069.07	Aqueous	18-Nov-98 10:57	11/18/98
Stream Site #15	4069.08	Aqueous	18-Nov-98 10:34	11/18/98
Stream Site #03	4069.09	Aqueous	18-Nov-98 11:07	11/18/98
Stream Site #14	4069.10	Aqueous	18-Nov-98 11:18	11/18/98
Stream Site #13	4069.11	Aqueous	18-Nov-98 11:29	11/18/98
Dup.	4069.12	Aqueous	18-Nov-98	11/18/98

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB.
VOA+15, WET CHEMISTRY

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
NJDEP LABORATORY CERTIFICATION # 13461

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

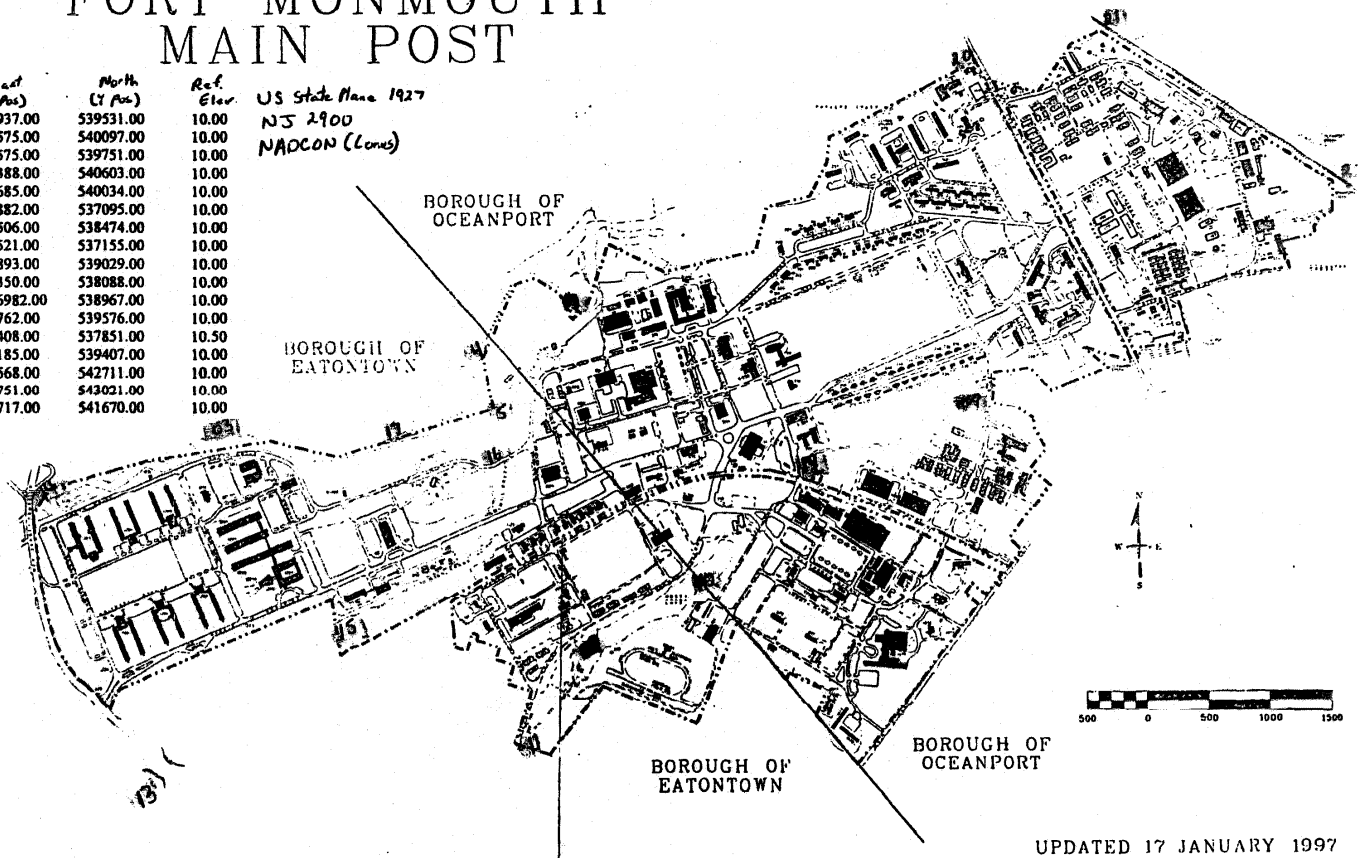
1-5-99

Daniel Wright/Date
Laboratory Director.

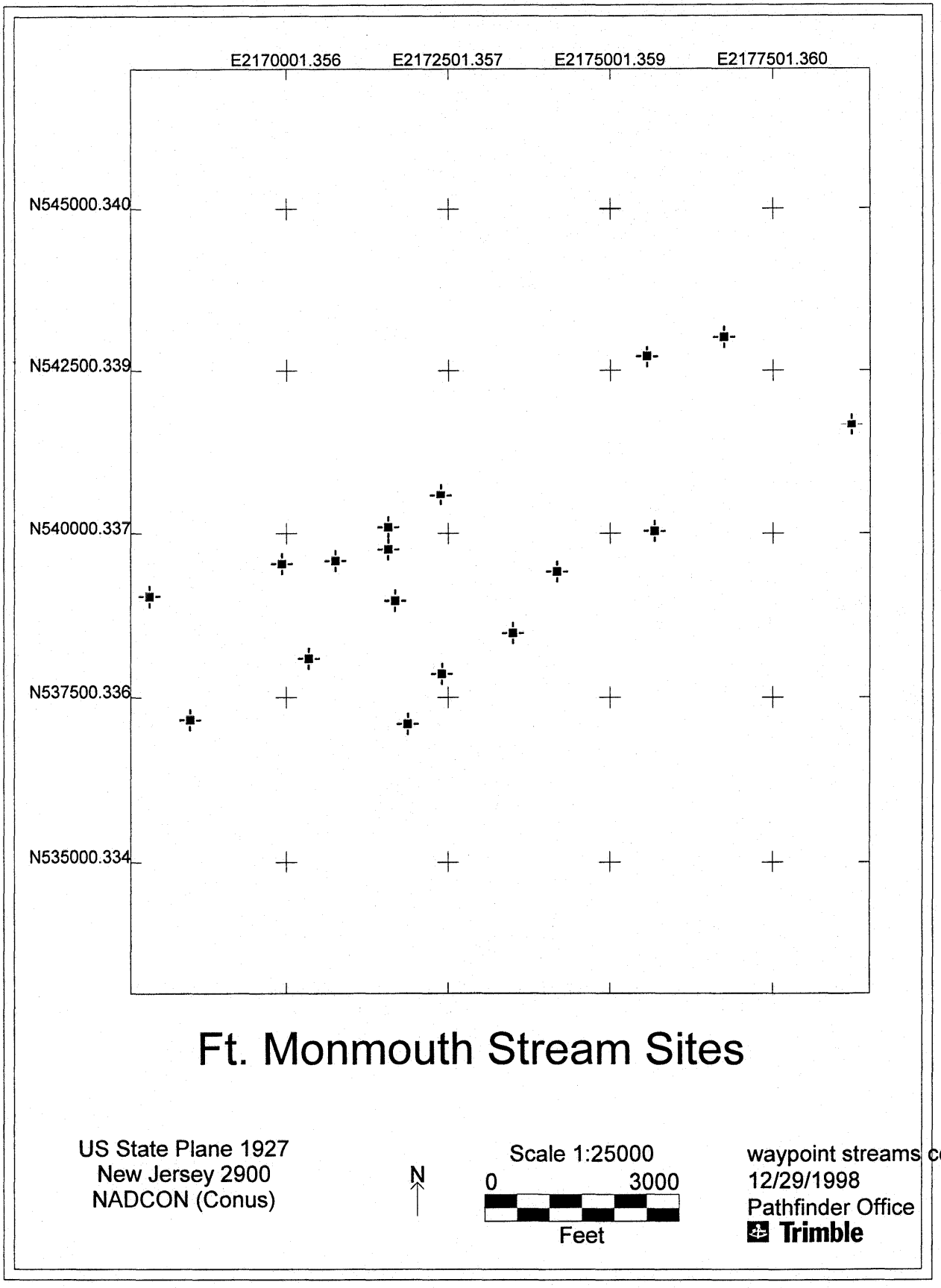
FORT MONMOUTH
MAIN POST

Item #	East (X Axis)	North (Y Axis)	Ref. Elev.
3	2169937.00	539531.00	10.00
4	2171575.00	540097.00	10.00
5	2171575.00	539751.00	10.00
	2172388.00	540603.00	10.00
	2175685.00	540034.00	10.00
	2171882.00	537095.00	10.00
12	2173506.00	538474.00	10.00
13	2168521.00	537155.00	10.00
14	2167893.00	539029.00	10.00
15	2170350.00	538088.00	10.00
16	21716982.00	538967.00	10.00
17	2170762.00	539576.00	10.00
18	2172408.00	537851.00	10.50
19	2174185.00	539407.00	10.00
20	2175568.00	542711.00	10.00
21	2176751.00	543021.00	10.00
22	2178717.00	541670.00	10.00

US State Plane 1927
NJ 2900
NADCON (Conus)



UPDATED 17 JANUARY 1997



Ft. Monmouth Stream Sites

US State Plane 1927
New Jersey 2900
NADCON (Conus)

N

Scale 1:25000
0 3000
Feet

waypoint streams combo.ss
12/29/1998
Pathfinder Office
Trimble

Fort Monmouth Envi[illegible]mental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: Joe Fallon
Phone #: X26223
(✓)DERA ( )OMA ( )Other:_____
Project No:
Location: 4th Qtr Streams Day 1
Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA	NH_3 / NO_3	PO4 / SO_4	Total Coliform	Temp °C	pH	D.O.	Salinity	Comments: / Remarks / Preservation Method
														HCL/HNO_3/H_2SO_4/4°C
40680 .01	Trip Blank	11/17/98	0830	AQ	2	✓								
.02	Field Blank		0900		4 5gal cpm	✓	✓	✓	X NJ guide not needed cpm	—	—	—	—	Outgoing Tide
.03	Stream site #22		0930		5	✓	✓	✓	—	11.1°C	8.04	8.45	1.018 26‰	cpm
.04	#21		0945		5	✓	✓	✓	✓	11.2°C	8.21	8.24	1.019 27‰	
.05	#20		1000		5	✓	✓	✓	✓	11.4°C	8.27	8.87	1.019 27‰	
.06	#09		1015		5	✓	✓	✓	✓	11.2°C	7.16	8.80	1.008 6‰	could not read gauge for light wtr
.07	#19		1027		5	✓	✓	✓	✓	11.1°C	7.23	8.99	1.002 2‰	cpm
.08	#07		1043		5	✓	✓	✓	✓	11.3°C	7.64	8.06	1.014 13‰	Could not read gauge
.09	#04		1101		5	✓	✓	✓	✓	11.4°C	7.15	8.92	1.007 10‰	for light wtr cpm
.10	#05		1118		5	✓	✓	✓	✓	11.0°C	7.20	8.90	1.004 7‰	
.11	Dupe		—		5	✓	✓	✓	✓	—	—	—	—	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	11/17/98 1140				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (✓)Standard, (_)Screen / non-certified
Turnaround time: (✓)Standard 4 wks, (_)Rush ___ Days, (_)ASAP Verbal ___ Hrs.

Remarks:

print legibly

coc.XLS11/16/98

SAMPLE RECEIPT FORM

Date Received: 11-7-98 DAY 1 Lab Project ID#: 4060

Site/Project Name: 41k Hobbs Stream Cooler Temp (deg. C): 0.0c

Received By: J. Verquer Sign: J. Verquer
(print name)

Check the appropriate answer

1. Did the samples come in a cooler?	☑ yes	☐ no	☐ NA
2. Were the chain of custody papers filled out correctly and legibly?	☑ yes	☐ no	
3. Did you sign the chain of custody in the appropriate place?	☑ yes	☐ no	
4. Did all the labels agree with the chain of custody and in good condition?	☑ yes	☐ no	
5. Were the correct containers and/or preservatives used for the tests indicated?	☑ yes	☐ no	
6. Was a sufficient amount of sample sent for the tests indicated?	☑ yes	☐ no	
7. Were bubbles absent from aqueous VOC sample containers?	☑ yes	☐ no	☐ NA

Fill out the following table for each sample bottle

Sample ID	pH	Preservative	Sample ID	pH	Preservative
4060. 01	<2	HCl	4060. 02	<2	H2SO4
02			03		
03			04		
04			05		
05			06		
06			07		
07			08		
08			09		
09			10		
10			11		
11					

Comments: _____

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: Joe Fallon
Phone #: x 26223
(✓)DERA ( )OMA ( )Other:_____
Project No:
Location: 4th Qtr Streams Day 2
Samplers Name / Company: Corey McCormack, JVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA	NH_3 / NO_3	PO_4 / SO_4	Total Coliform	°C Temp	pH	Diss O	Salinity	Comments: Remarks / Preservation Method
40169 .01	Trip	11/18/98	0845	AQ	2	✓								
.02	Field Blank		0900		9 Jar	✓	✓	✓	X no sample taken	—	—	—	—	Outgoing Tide
.03	Stream Site #12		0945		5	✓	✓	✓	✓	11.3	7.22	9.07	1.001 1%	
.04	#18		1000		5	✓	✓	✓	✓	11.2	7.25	8.68	1.001 1%	
.05	#11		1014		5	✓	✓	✓	✓	11.2	7.41	9.46	1.001 1%	
.06	#16		1026		5	✓	✓	✓	✓	10.9	7.26	9.35	1.000 1%	
.07	#17		~~1034~~ 1057		5	✓	✓	✓	✓	10.9	7.31	8.96	1.000 1%	
.08	#15		1034		5	✓	✓	✓	✓	10.9	7.30	10.10	1.001 1%	
.09	#03		1107		5	✓	✓	✓	✓	11.2	7.58	9.76	1.001 5%	Lots of Algae
.10	#14		1118		5	✓	✓	✓	✓	10.9	7.43	9.01	1.002 2%	Lots of particulate
.11	#13		1129		5	✓	✓	✓	✓	10.9	7.36	9.11	1.002 2%	
.12	Dupe		—		5	✓	✓	✓	✓	—	—	—	—	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	11/18/98 1200	J. Allegra			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (✓)Standard, (_)Screen / non-certified
Turnaround time: (✓)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

print legibly

coc.XLS11/16/98

SAMPLE RECEIPT FORM

Date Received: 11-18-98 Lab Project ID#: 4069

Site/Project Name: 4th Quart. Storm Cooler Temp (deg. C): 1.0c

Received By: J. Vergara Sign. J. Vergara
(print name)

Check the appropriate answer

1. Did the samples come in a cooler?	☒ yes	☐ no	☐ NA
2. Were the chain of custody papers filled out correctly and legibly?	☒ yes	☐ no	
3. Did you sign the chain of custody in the appropriate place?	☒ yes	☐ no	
4 Did all the labels agree with the chain of custody and in good condition?	☒ yes	☐ no	
5. Were the correct containers and/or preservatives used for the tests indicated?	☒ yes	☐ no	
6. Was a sufficient amount of sample sent for the tests indicated?	☒ yes	☐ no	
7. Were bubbles absent from aqueous VOC sample containers?	☒ yes	☐ no	☐ NA

Fill out the following table for each sample bottle

Sample ID	pH	Preservative	Sample ID	pH	Preservative
4069. 01	<2	HCl	4069. 02	<2	H_2SO_4
02			03		
03			04		
04			05		
05			06		
06			07		
07			08		
08			09		
09			10		
10			11		
11			12		
12					

Comments:

F0201.d0c

CASE NARRATIVE

Site: Streams

Lab ID: 4060/4069

The duplicate taken on 11/17/98 was performed on Stream Site 05 (4060.10).

The duplicate taken on 11/18/98 was performed on Stream Site 13 (4069.11).

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

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

Data File Nam	**vb02158.d**	Sample Name	**Vblk65**
Operator	**Skelton**	Field ID	**Vblk65**
Date Acquired	**20 Nov 98 11:54 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Vblk65**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4060 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: Vblk65

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02158.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/20/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02158.d**	Sample Name	**Vblk65**
Operator	**Skelton**	Field ID	**Vblk65**
Date Acquired	**20 Nov 98 11:54 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Vblk65**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4069 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: Vblk65

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02158.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/20/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02196.d**	Sample Name	**Vblk66**
Operator	**Skelton**	Field ID	**Vblk66**
Date Acquired	**24 Nov 98 2:05 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Vblk66**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4069 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: Vblk66

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02196.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/24/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02165.d**	Sample Name	**4060.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**20 Nov 98 5:39 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4060 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4060.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02165.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/20/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02178.d**	Sample Name	**4069.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**21 Nov 98 3:24 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4069 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4069.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02178.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/21/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam **vb02166.d**
Operator **Skelton**
Date Acquired **20 Nov 98 6:25 pm**

Sample Name **4060.02**
Field ID **Field Blank**
Sample Multiplier **1**

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

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4060 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4060.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02166.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/20/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02179.d**	Sample Name	**4069.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**21 Nov 98 4:09 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4069 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4069.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02179.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/21/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	vb02186.d	Sample Name	4069.09
Operator	Skelton	Field ID	StreamSite#03
Date Acquired	21 Nov 98 9:20 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene	26.66	47043	1.09 ug/L	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Streamsite #03**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4069 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4069.09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02186.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/21/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000066-25-1	Hexanal	26.25	10	JN

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

Data File Nam	**vb02173.d**	Sample Name	**4060.09**
Operator	**Skelton**	Field ID	**StreamSite#04**
Date Acquired	**20 Nov 98 11:40 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.21	61332	1.19 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene	26.66	76555	1.62 ug/L	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Streamsite #04**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4060 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4060.09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02173.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/20/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02174.d**	Sample Name	**4060.10**
Operator	**Skelton**	Field ID	**StreamSite#05**
Date Acquired	**21 Nov 98 12:25 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.21	84687	1.67 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene	26.66	100977	2.17 ug/L	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Streamsite #05

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4060 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4060.10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02174.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/21/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02172.d**	Sample Name	**4060.08**
Operator	**Skelton**	Field ID	**StreamSite#07**
Date Acquired	**20 Nov 98 10:56 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Streamsite #07**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4060 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4060.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02172.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/20/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000075-18-3	Dimethyl sulfide	11.58	5	JN

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

Data File Nam	**vb02170.d**	Sample Name	**4060.06**
Operator	**Skelton**	Field ID	**StreamSite#09**
Date Acquired	**20 Nov 98 9:26 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Streamsite #09**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4060 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4060.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02170.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/20/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02182.d**	Sample Name	**4069.05**
Operator	**Skelton**	Field ID	**StreamSite#11**
Date Acquired	**21 Nov 98 6:22 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.21	415498	8.82 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Streamsite #11

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4069 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4069.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02182.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/21/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	vb02180.d	Sample Name	4069.03
Operator	Skelton	Field ID	StreamSite#12
Date Acquired	21 Nov 98 4:54 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.20	118891	2.48 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Streamsite #12**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4069 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4069.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02180.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/21/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02197.d**	Sample Name	**4069.11**
Operator	**Skelton**	Field ID	**StreamSite#13**
Date Acquired	**24 Nov 98 3:05 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Streamsite #13**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4069 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4069.11

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02197.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/24/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	vb02187.d	Sample Name	4069.10
Operator	Skelton	Field ID	StreamSite#14
Date Acquired	21 Nov 98 10:05 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	10.56	25972	3.32 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Streamsite #14**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4069 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4069.10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02187.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/21/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	vb02185.d	Sample Name	4069.08
Operator	Skelton	Field ID	StreamSite#15
Date Acquired	21 Nov 98 8:36 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Streamsite #15**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4069 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4069.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02185.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/21/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02183.d**	Sample Name	**4069.06**
Operator	**Skelton**	Field ID	**StreamSite#16**
Date Acquired	**21 Nov 98 7:07 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene	26.66	64829	1.48 ug/L	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Streamsite #16**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4069 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4069.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02183.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/21/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	vb02184.d	Sample Name	4069.07
Operator	Skelton	Field ID	StreamSite#17
Date Acquired	21 Nov 98 7:51 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.20	207910	4.43 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	21.68	85578	2.12 ug/L	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene	26.65	220572	5.09 ug/L	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Streamsite #17**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4069 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4069.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02184.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/21/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02181.d**	Sample Name	**4069.04**
Operator	**Skelton**	Field ID	**StreamSite#18**
Date Acquired	**21 Nov 98 5:38 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.20	152973	3.18 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Streamsite #18**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4069 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4069.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02181.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/21/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02171.d**	Sample Name	**4060.07**
Operator	**Skelton**	Field ID	**StreamSite#19**
Date Acquired	**20 Nov 98 10:11 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.21	122172	2.30 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Streamsite #19**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4060 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4060.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02171.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/20/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02169.d**	Sample Name	**4060.05**
Operator	**Skelton**	Field ID	**StreamSite#20**
Date Acquired	**20 Nov 98 8:40 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Streamsite #20**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4060 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4060.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02169.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/20/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02168.d**	Sample Name	**4060.04**
Operator	**Skelton**	Field ID	**StreamSite#21**
Date Acquired	**20 Nov 98 7:54 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Streamsite #21**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4060 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4060.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02168.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/20/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File Nam	**vb02167.d**	Sample Name	**4060.03**
Operator	**Skelton**	Field ID	**StreamSite#22**
Date Acquired	**20 Nov 98 7:10 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Streamsite #22**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4060 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4060.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02167.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/20/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File Nam	**vb02175.d**	Sample Name	**4060.11**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**21 Nov 98 1:10 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	17.20	81422	1.63 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene	26.66	104540	2.28 ug/L	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4060 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4060.11

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02175.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/21/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File Nam	**vb02198.d**	Sample Name	**4069.12**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**24 Nov 98 3:51 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	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethan			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 4069 SDG No Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4069.12

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02198.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/24/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Stream Water Analysis

November 1998

Sample ID	Date Sampled	Stream Site#	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphates (mg/L)	Sulfates (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
4060.03	11/17/98	22	8.04	ND	2.8	0.13	1800	8.45	20	20	26
4060.04	11/17/98	21	8.21	ND	0.3	0.07	1850	8.24	60	<1	27
4060.05	11/17/98	20	8.27	ND	0.5	0.04	1950	8.87	80	<1	27
4060.06	11/17/98	09	7.16	0.343	ND	0.03	305	8.80	1880	240	6
4060.07	11/17/98	19	7.23	0.546	0.7	0.16	24	8.99	2040	20	2
4060.08	11/17/98	07	7.64	ND	ND	0.07	1050	8.06	640	60	19
4060.09	11/17/98	04	7.15	ND	ND	0.04	700	8.92	840	260	10
4060.10	11/17/98	05	7.20	ND	ND	0.03	450	8.90	1060	280	7
4069.03	11/18/98	12	7.22	0.540	3.5	0.04	25	9.07	2240	<1	1
4069.04	11/18/98	18	7.25	0.299	4.6	0.03	29	8.68	1660	1040	1
4069.05	11/18/98	11	7.41	0.101	4.3	0.10	27	9.46	540	120	1
4069.06	11/18/98	16	7.26	0.179	1.4	0.07	620	9.35	940	200	10
4069.07	11/18/98	17	7.31	ND	1.9	0.42	ND	8.96	680	40	11
4069.08	11/18/98	15	7.30	0.125	3.1	0.08	840	10.10	740	220	1
4069.09	11/18/98	03	7.58	ND	2.0	0.31	10	9.76	1840	1960	5
4069.10	11/18/98	14	7.43	ND	1.5	0.09	31	9.01	120	<1	2
4069.11	11/18/98	13	7.36	0.240	1.1	0.05	30	9.11	280	20	2

mg/L = parts per million
cfu = colony forming units
ND = Not detected

Completed: 11/19/98
Reviewed:

11/19/98

Daniel K. Wright

Laboratory Director

	Lab	Methylene Chloride	Tetrachloroethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	2	1
04/08/97	FMETL	2.00	ND
07/17/97	FMETL	ND	ND
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	ND
11/18/98	FMETL	ND	1.09

SOURCE: 3

Sampling Dates:
04/08/97 - 11/18/98

NOTES:

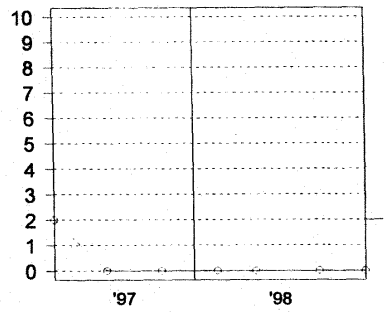
Fort Monmouth

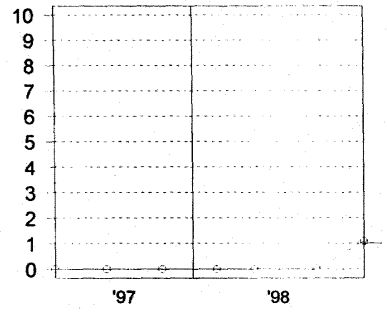
GW Monitoring
Streams

Well 1 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-16-1998 c:\mtech46\fm\stree \streams.wsf





SOURCE: 3

Sampling Dates:
04/08/97 - 11/18/98

LEGEND:

PARAMETER

= Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 1 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-16-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1
04/08/97	FMETL	2.18	ND	ND
07/17/97	FMETL	1.63	ND	1.61
10/30/97	FMETL	ND	ND	1.24
02/10/98	FMETL	ND	ND	6.61
04/21/98	FMETL	ND	ND	4.42
08/19/98	FMETL	1.92	1.10	2.85
11/17/98	FMETL	1.19	ND	1.62

SOURCE: 4

Sampling Dates:
04/08/97 - 11/17/98

NOTES:

Fort Monmouth

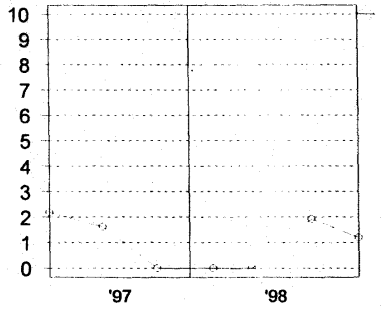
GW Monitoring
Streams

Well 2 of 17

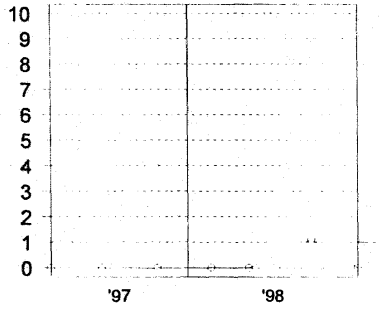
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-16-1998 c:\mtech46\fm\stre? \streams.wsf

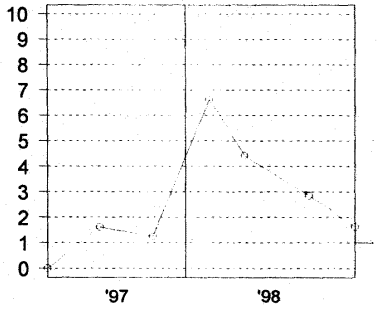
cis-1,2-Dichloroethene (ug/l)



Trichloroethene (ug/l)



Tetrachloroethene (ug/l)



SOURCE: 4

Sampling Dates:
04/08/97 - 11/17/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 2 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-16-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2	10	1	1
04/08/97	FMETL	1.96	1.80	ND	2.28
07/17/97	FMETL	ND	3.66	ND	3.54
10/30/97	FMETL	ND	1.83	ND	1.70
02/10/98	FMETL	ND	ND	ND	6.34
04/21/98	FMETL	ND	ND	ND	4.48
08/19/98	FMETL	ND	2.28	1.27	3.39
11/17/98	FMETL	ND	1.67	ND	2.17

SOURCE: 5

Sampling Dates:
04/08/97 - 11/17/98

NOTES:

Fort Monmouth

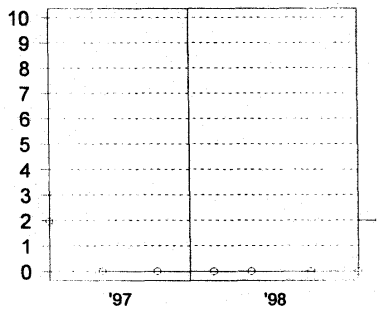
GW Monitoring
Streams

Well 3 of 17

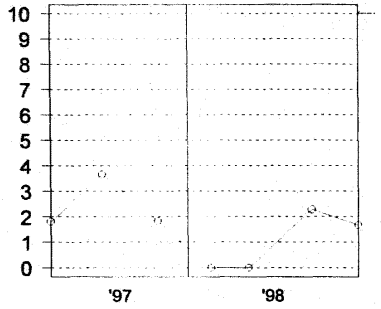
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-16-1998 c:\mtech46\fm\stream streams.wsf

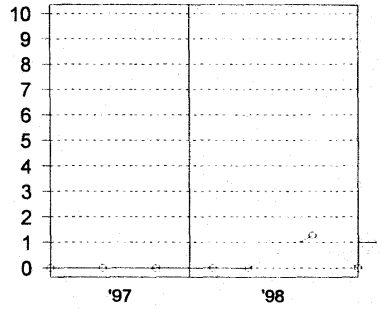
Methylene Chloride
(ug/l)



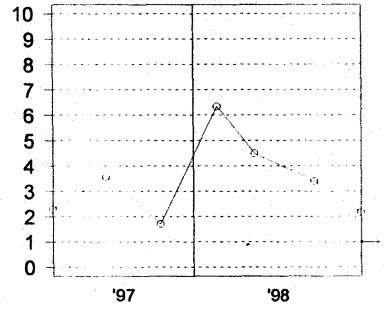
cis-1,2-Dichloroethene
(ug/l)



Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



SOURCE: 5

Sampling Dates:
04/08/97 - 11/17/98

LEGEND:

PARAMETER

= Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 3 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-16-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-ci chloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	10	1
04/08/97	FMETL	ND	ND
07/17/97	FMETL	1.14	1.08
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	2.04
04/21/98	FMETL	ND	2.40
08/19/98	FMETL	ND	ND
11/17/98	FMETL	ND	ND

SOURCE: 7

Sampling Dates:
04/08/97 - 11/17/98

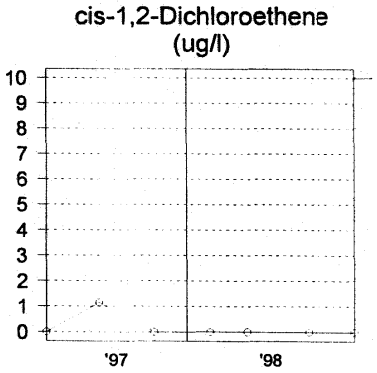
NOTES:

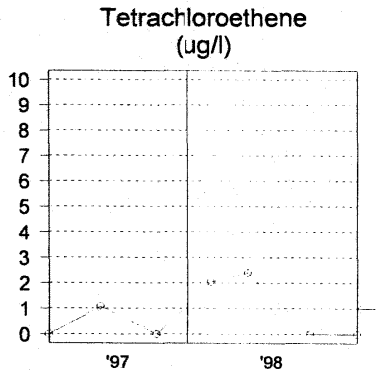
Fort Monmouth

GW Monitoring
Streams

Well 4 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 7

Sampling Dates:
04/08/97 - 11/17/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 4 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-16-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	2	10
04/08/97	FMETL	1.82	2.78
07/17/97	FMETL	ND	ND
10/30/97	FMETL	ND	2.14
02/10/98	FMETL	ND	6.00
04/21/98	FMETL	ND	4.73
08/19/98	FMETL	ND	1.69
11/17/98	FMETL	ND	ND

SOURCE: 9

Sampling Dates:
04/08/97 - 11/17/98

NOTES:

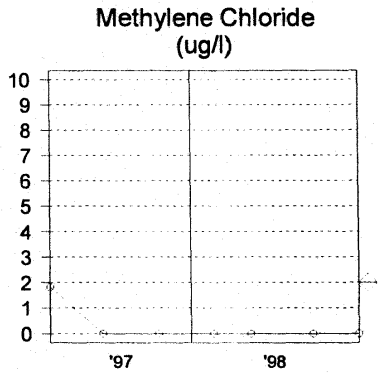
Fort Monmouth

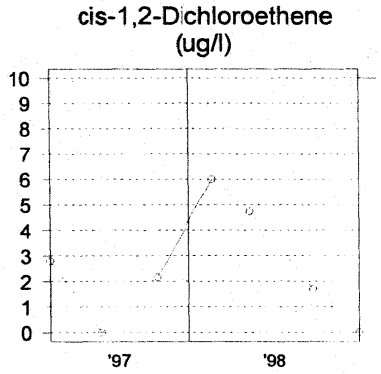
GW Monitoring
Streams

Well 5 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-16-1998 c:\mtech46\fm\stream- treams.wsf





SOURCE: 9

Sampling Dates:
04/08/97 - 11/17/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 5 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-16-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	10	1
04/08/97	FMETL	18.72	1.58
07/17/97	FMETL	14.13	ND
10/30/97	FMETL	18.23	ND
02/10/98	FMETL	24.71	2.14
04/21/98	FMETL	21.66	1.82
08/19/98	FMETL	11.73	ND
11/18/98	FMETL	8.82	ND

SOURCE: 11

Sampling Dates:
04/08/97 - 11/18/98

NOTES:

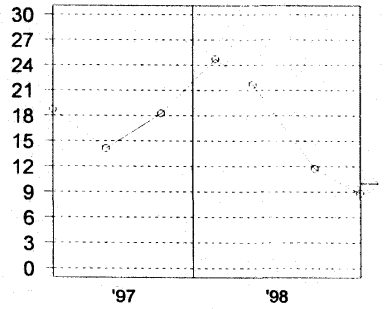
Fort Monmouth

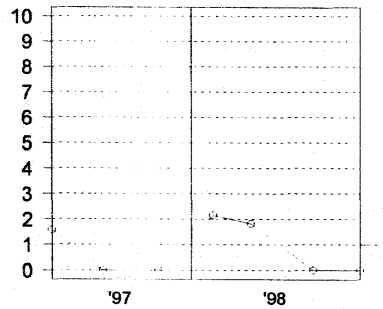
GW Monitoring
Streams

Well 6 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-16-1998 c:\mtech46\fm\strea \streams.wsf





SOURCE: 11

Sampling Dates:
04/08/97 - 11/18/98

LEGEND:

PARAMETER

= Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 6 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-16-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene
Units:	-	ug/l
NJDEP Criteria:	-	10
04/08/97	FMETL	6.63
07/17/97	FMETL	ND
10/30/97	FMETL	5.67
02/10/98	FMETL	6.54
04/21/98	FMETL	ND
08/19/98	FMETL	4.58
11/18/98	FMETL	2.48

SOURCE: 12

Sampling Dates:
04/08/97 - 11/18/98

NOTES:

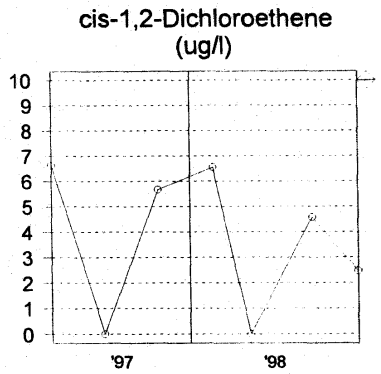
Fort Monmouth

GW Monitoring
Streams

Well 7 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf



SOURCE: 12

Sampling Dates:
04/08/97 - 11/18/98

LEGEND:

PARAMETER

= Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 7 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

2-17-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	Acetone
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	2	700
04/08/97	FMETL	1.91	2.81
07/17/97	FMETL	ND	ND
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	ND
11/18/98	FMETL	ND	ND

SOURCE: 13

Sampling Dates:
04/08/97 - 11/18/98

NOTES:

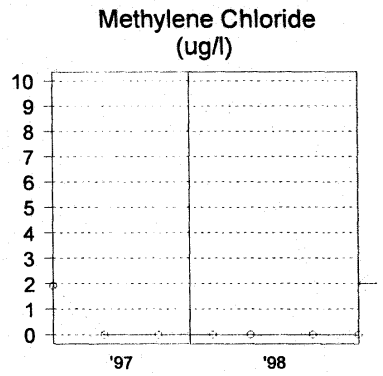
Fort Monmouth

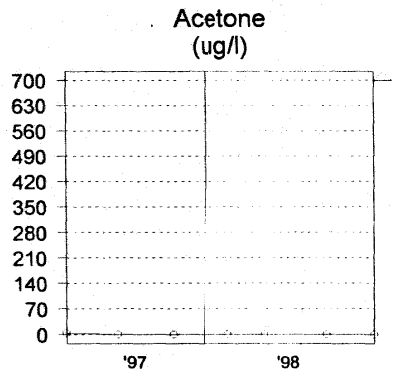
GW Monitoring
Streams

Well 8 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf





SOURCE: 13

Sampling Dates:
04/08/97 - 11/18/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 8 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Acetone
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	700
04/08/97	FMETL	ND	ND	3.94
07/17/97	FMETL	ND	ND	ND
10/30/97	FMETL	1.59	1.75	ND
02/10/98	FMETL	ND	ND	ND
04/21/98	FMETL	ND	ND	ND
08/19/98	FMETL	ND	ND	ND
11/18/98	FMETL	ND	ND	3.32

SOURCE: 14

Sampling Dates:
04/08/97 - 11/18/98

NOTES:

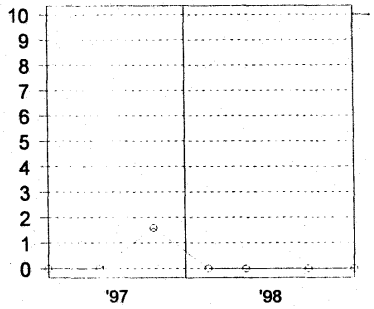
Fort Monmouth

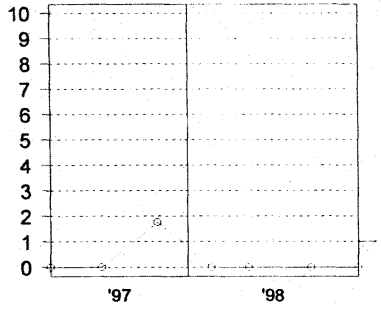
GW Monitoring
Streams

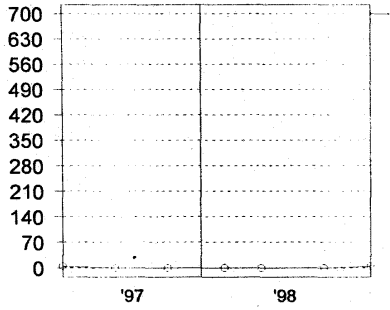
Well 9 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 14

Sampling Dates:
04/08/97 - 11/18/98

LEGEND:

PARAMETER

= Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 9 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1
04/08/97	FMETL	2.69	1.60	6.00
07/17/97	FMETL	5.53	2.50	7.12
10/30/97	FMETL	2.57	ND	2.72
02/10/98	FMETL	ND	1.03	6.90
04/21/98	FMETL	1.22	1.21	5.72
08/19/98	FMETL	3.89	2.06	5.39
11/18/98	FMETL	ND	ND	ND

SOURCE: 15

Sampling Dates:
04/08/97 - 11/18/98

NOTES:

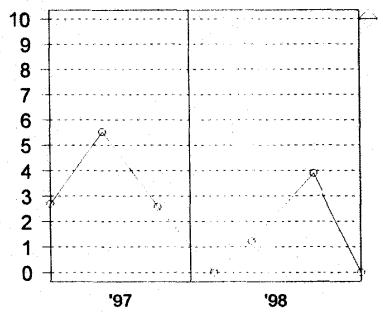
Fort Monmouth

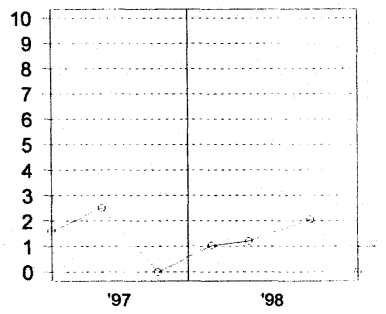
GW Monitoring
Streams

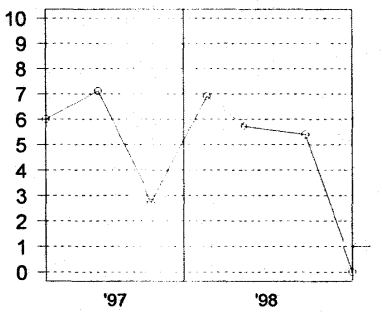
Well 10 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 15

Sampling Dates:
04/08/97 - 11/18/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 10 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1
04/08/97	FMETL	2.05	1.26	4.47
07/17/97	FMETL	2.55	ND	4.72
10/30/97	FMETL	1.76	ND	1.86
02/10/98	FMETL	ND	ND	6.23
04/21/98	FMETL	ND	ND	4.58
08/19/98	FMETL	2.94	1.63	4.33
11/18/98	FMETL	ND	ND	1.48

SOURCE: 16

Sampling Dates:
04/08/97 - 11/18/98

NOTES:

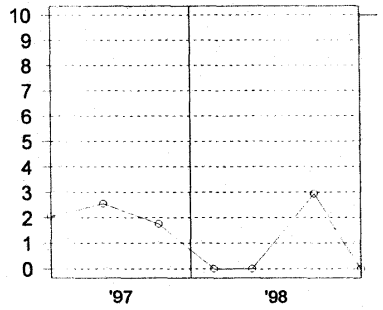
Fort Monmouth

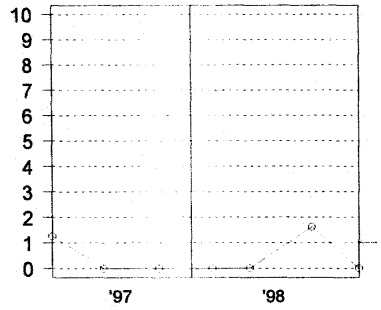
GW Monitoring
Streams

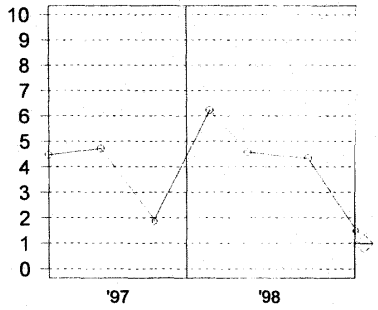
Well 11 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 16

Sampling Dates:
04/08/97 - 11/18/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 11 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene	Acetone	Chlorobenzene
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1	700	4
04/08/97	FMETL	ND	ND	ND	1.97	ND
07/17/97	FMETL	ND	ND	ND	ND	ND
10/30/97	FMETL	ND	ND	ND	ND	ND
02/10/98	FMETL	ND	ND	ND	ND	1.59
04/21/98	FMETL	ND	ND	ND	ND	ND
08/19/98	FMETL	ND	ND	ND	ND	ND
11/18/98	FMETL	4.43	2.12	5.09	ND	ND

SOURCE: 17

Sampling Dates:
04/08/97 - 11/18/98

NOTES:

Fort Monmouth

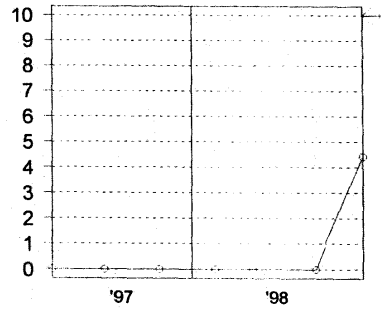
GW Monitoring
Streams

Well 12 of 17

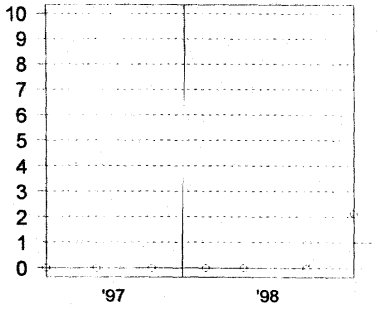
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf

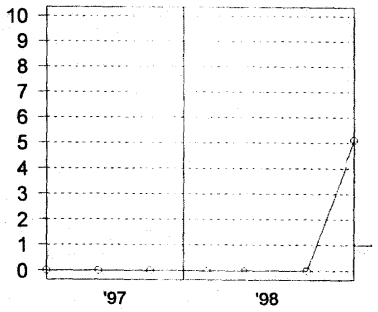
cis-1,2-Dichloroethene
(ug/l)



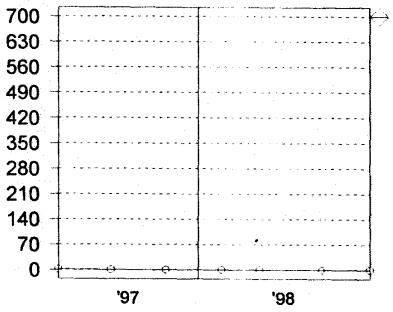
Trichloroethene
(ug/l)



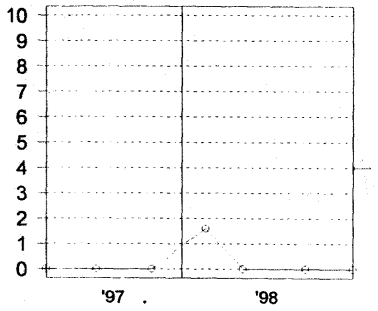
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



Chlorobenzene
(ug/l)



SOURCE: 17

Sampling Dates:
04/08/97 - 11/18/98

LEGEND:

PARAMETER

= Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 12 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene
Units:	-	ug/l
NJDEP Criteria:	-	10
04/08/97	FMETL	ND
07/17/97	FMETL	1.06
10/30/97	FMETL	5.87
02/10/98	FMETL	14.36
04/21/98	FMETL	ND
08/19/98	FMETL	4.65
11/18/98	FMETL	3.18

SOURCE: 18

Sampling Dates:
04/08/97 - 11/18/98

NOTES:

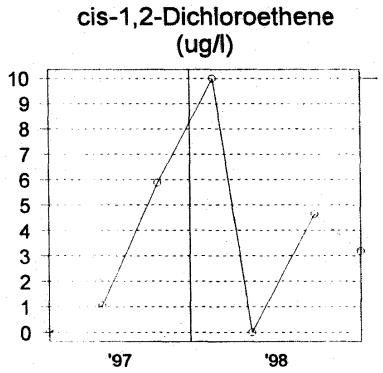
Fort Monmouth

GW Monitoring
Streams

Well 13 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf



SOURCE: 18

Sampling Dates:
04/08/97 - 11/18/98

LEGEND:

PARAMETER

= Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 13 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene
Units:	-	ug/l
NJDEP Criteria:	-	10
04/08/97	FMETL	6.44
07/17/97	FMETL	ND
10/30/97	FMETL	4.69
02/10/98	FMETL	8.22
04/21/98	FMETL	6.86
08/19/98	FMETL	2.95
11/17/98	FMETL	2.3

SOURCE: 19

Sampling Dates:
04/08/97 - 11/17/98

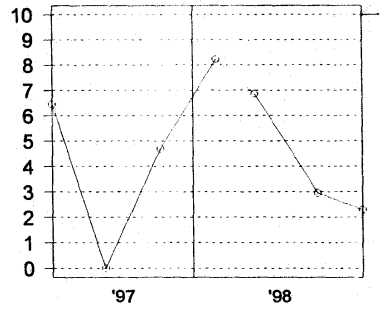
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 14 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 19

Sampling Dates:
04/08/97 - 11/17/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 14 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

2-17-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Ethyl benzene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	700	NLE
04/08/97	FMETL	2.18	ND
07/17/97	FMETL	ND	2.63
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	4.85
11/17/98	FMETL	ND	ND

SOURCE: 20

Sampling Dates:
04/08/97 - 11/17/98

NOTES:

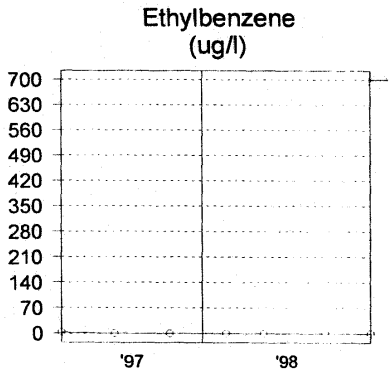
Fort Monmouth

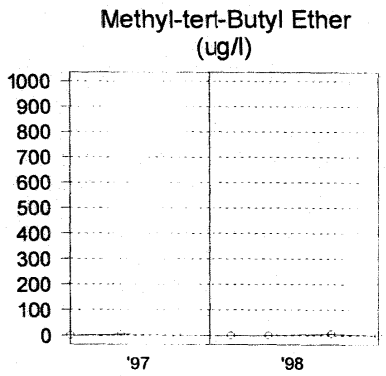
GW Monitoring
Streams

Well 15 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf





SOURCE: 20

Sampling Dates:
04/08/97 - 11/17/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 15 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methyl-tert Butyl ether
Units:	-	ug/l
NJDEP Criteria:	-	NLE
04/08/97	FMETL	ND
07/17/97	FMETL	2.90
10/30/97	FMETL	ND
02/10/98	FMETL	ND
04/21/98	FMETL	ND
08/19/98	FMETL	4.71
11/17/98	FMETL	ND

SOURCE: 21

Sampling Dates:
04/08/97 - 11/17/98

NOTES:

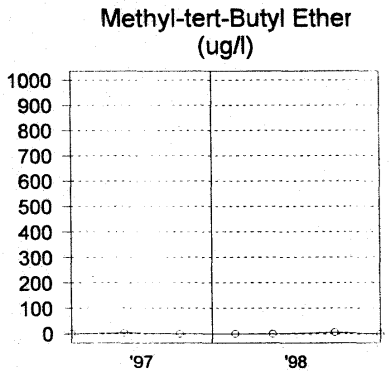
Fort Monmouth

GW Monitoring
Streams

Well 16 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf



SOURCE: 21

Sampling Dates:
04/08/97 - 11/17/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 16 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methyl-tert Butyl ether
Units:	-	ug/l
NJDEP Criteria:	-	NLE
04/08/97	FMETL	ND
07/17/97	FMETL	4.26
10/30/97	FMETL	ND
02/10/98	FMETL	ND
04/21/98	FMETL	ND
08/19/98	FMETL	4.50
11/17/98	FMETL	ND

SOURCE: 22

Sampling Dates:
04/08/97 - 11/17/98

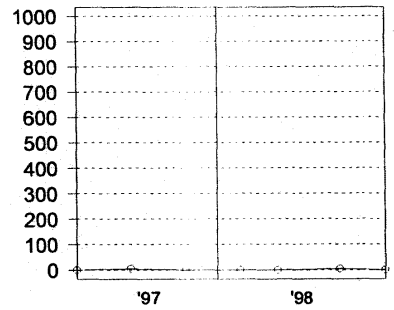
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 17 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 22

Sampling Dates:
04/08/97 - 11/17/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 17 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

12-17-1998 c:\mtech46\fm\streams\gw\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: Streams/1st Qtr.

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site 22	4300.01	Aqueous	25-Feb-99 08:25	02/25/99
Stream Site 21	4300.02	Aqueous	25-Feb-99 08:40	02/25/99
Stream Site 20	4300.03	Aqueous	25-Feb-99 08:50	02/25/99
Stream Site 09	4300.04	Aqueous	25-Feb-99 09:10	02/25/99
Stream Site 19	4300.05	Aqueous	25-Feb-99 09:20	02/25/99
Stream Site 12	4300.06	Aqueous	25-Feb-99 09:29	02/25/99
Stream Site 18	4300.07	Aqueous	25-Feb-99 09:40	02/25/99
Stream Site 11	4300.08	Aqueous	25-Feb-99 09:50	02/25/99
Stream Site 15	4300.09	Aqueous	25-Feb-99 10:00	02/25/99
Stream Site 16	4300.10	Aqueous	25-Feb-99 10:14	02/25/99
Stream Site 07	4300.11	Aqueous	25-Feb-99 10:28	02/25/99
Stream Site 04	4300.12	Aqueous	25-Feb-99 10:42	02/25/99
Stream Site 05	4300.13	Aqueous	25-Feb-99 10:52	02/25/99
Stream Site 17	4300.14	Aqueous	25-Feb-99 11:03	02/25/99
Stream Site 03	4300.15	Aqueous	25-Feb-99 11:12	02/25/99
Stream Site 14	4300.16	Aqueous	25-Feb-99 11:24	02/25/99
Stream Site 13	4300.17	Aqueous	25-Feb-99 11:35	02/25/99

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

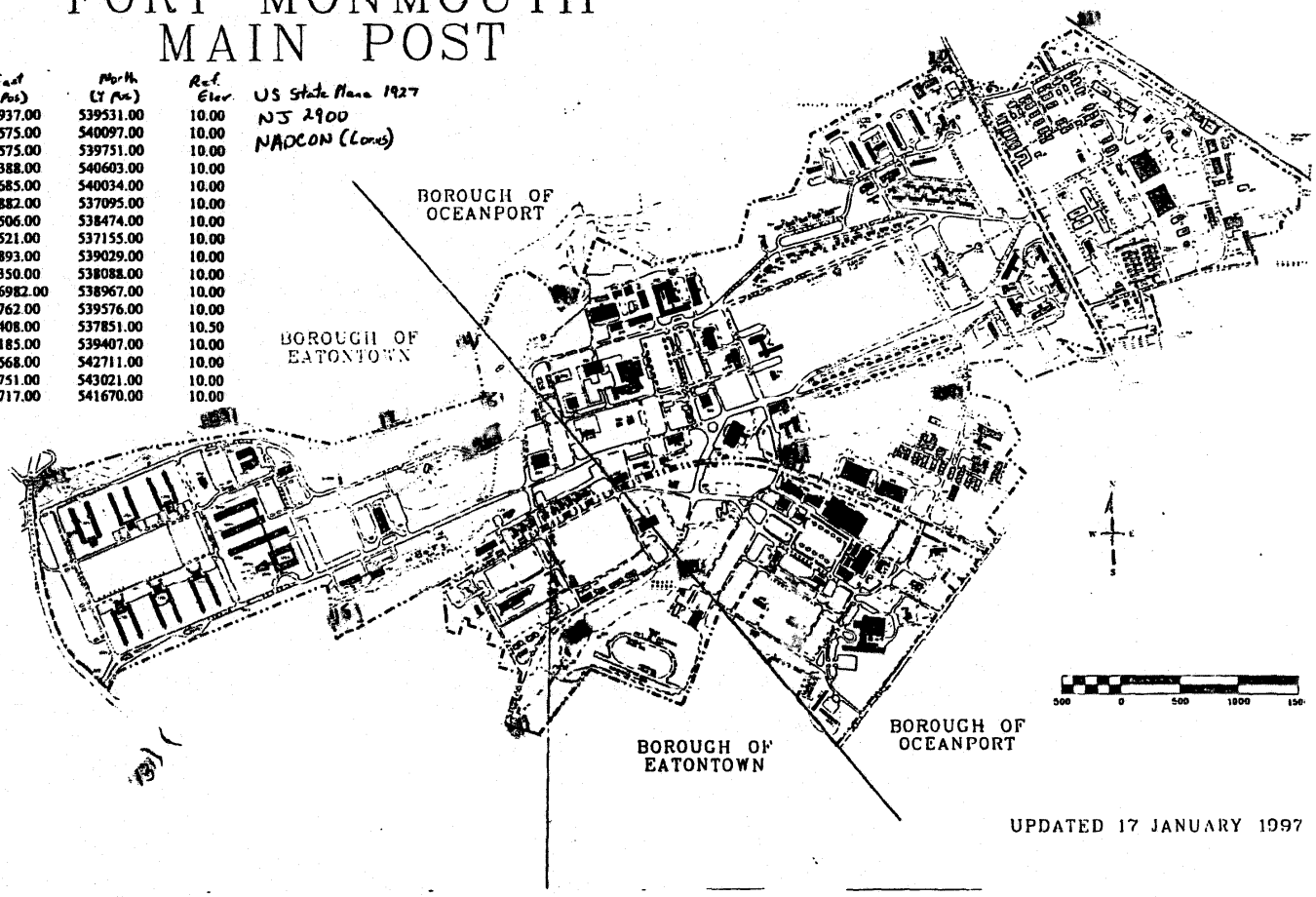
Rhonda M. Pfl
For Daniel Wright 03/15/

Daniel Wright/Date
Laboratory Director

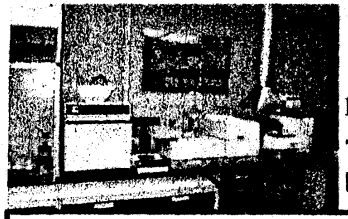
FORT MONMOUTH
MAIN POST

Stream #	East (X Axis)	North (Y Axis)	Ref. Elev.
3	2169937.00	539531.00	10.00
4	2171575.00	540097.00	10.00
5	2171575.00	539751.00	10.00
[illegible]	2172388.00	540603.00	10.00
	2175685.00	540034.00	10.00
	2171882.00	537095.00	10.00
[illegible]	2173506.00	538474.00	10.00
13	2168521.00	537155.00	10.00
14	2167893.00	539029.00	10.00
15	2170350.00	538088.00	10.00
16	21716982.00	538967.00	10.00
17	2170762.00	539576.00	10.00
18	2172408.00	537851.00	10.50
19	2174185.00	539407.00	10.00
20	2175568.00	542711.00	10.00
21	2176751.00	543021.00	10.00
22	2178717.00	541670.00	10.00

US State Plane 1927
NJ 2900
NADCON (Conus)



UPDATED 17 JANUARY 1997



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: Joe Fallon
Phone #: X 26223
(X)DERA ( )OMA ( )Other:
Project No:
Location: First Quarter Streams
Samplers Name / Company : Scott W. Dan W. TVS

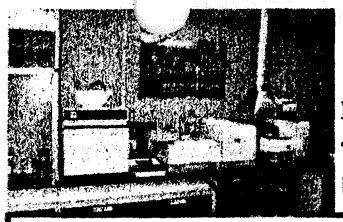
Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Temp. C°	pH	Diss. O_2	Salinity	VOA	NH_3	PO_4, SO_4, NO_3	Total Coliform	Remarks / Preservation Method
4300. .01	Stream Site #22	2/25/99	0825	Aq	5	2.0	7.88	9.6	16	X	X	X	X	All samples kept <4 C°
.02	#21	2/25/99	0840	Aq	5	0.2	7.85	8.3	16	X	X	X	X	NH_3 - H_2SO_4
.03	#20	2/25/99	0850	Aq	5	0.5	7.74	9.6	15	X	X	X	X	VOA-HCL
.04	Ht: 1.62 #09	2/25/99	0910	Aq	5	1.9	6.73	8.6	0	X	X	X	X	19 250ml plastic w/H_2SO_4
.05	#19	2/25/99	920	Aq	5	2.5	6.74	8.6	0	X	X	X	X	19 250ml
.06	Ht: 2.22 #12	2/25/99	929	Aq	5	2.9	6.91	7.9	0	X	X	X	X	18 Bacteria Bottles
.07	#18	2/25/99	940	Aq	5	3.3	9.92	8.0	0	X	X	X	X	40 VOA 40ml w/HCL
.08	#11	2/25/99	950	Aq	5	4.1	6.90	8.5	0	X	X	X	X	
.09	#15	2/25/99	1000	Aq	5	3.4	6.75	8.5	0	X	X	X	X	
.10	Ht: 2.11 #16	2/25/99	1014	Aq	5	2.9	6.63	8.4	0	X	X	X	X	
.11	Ht: 1.10 #07	2/25/99	1024	Aq	5	4.5	6.70	7.7	1	X	X	X	X	
.12	#04	2/25/99	1042	Aq	5	3.7	6.60	7.9	1	X	X	X	X	
.13	#05	2/25/99	1052	Aq	5	4.1	6.63	8.1	0	X	X	X	X	
.14	#17	2/25/99	1103	Aq	5	4.3	6.76	8.0	0	X	X	X	X	

Analysis Parameters

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
	2-25-99 1155				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (X)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13481

Chain of Custody Record

Customer: Joe Fallon
Phone #: X 26223
(X)DERA ( )OMA ( )Other:_____
Project No:
Location: First Quarter Streams
Samplers Name / Company : Scott W. Dan W. TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Temp. C°	pH	Diss. O_2	Salinity	VOA	NH_3	PO_4, SO_4, NO_3	Total Coliform	Remarks / Preservation Method
4300. .15	Stream Site #03	2/25/99	1112	Aq	5	3.8	6.59	7.8	0	X	X	X	X	All samples kept <4 C°
.16	#14	2/25/99	1124	Aq	5	3.5	6.61	8.4	0	X	X	X	X	NH3 - H_2SO_4
.17	#13	2/25/99	1135	Aq	5	3.8	6.68	7.7	0	X	X	X	X	VOA-HCL
.18	Field Dup.	2/25/99	—	Aq	5	4.1	6.91	7.9	0	X	X	X	X	19 250ml plastic w/H_2SO_4
.19	Field Blank	2/25/99	0815	Aq	4					X	X	X		19 250ml
.20	Trip Blank	2/25/99	—	Aq	2					X				18 Bacteria Bottles
														40 VOA 40ml w/HCL

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	2-25-99 1155	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (X)Full, (_)Reduced, (_)Standard, (_)Screen / non-certified
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

Change of Chain of Custody

Lab Project ID#: 4300.1-20 Site/Project Name: 1st Qtr-Streams

Date Received: 2/25/99 Date of Change: 3/17/99

Requested by: print P. Skelton Sign: _____

Turnaround Time: 4wks

1. Were the correct containers and/or preservatives used for the tests indicated? (Yes) No
2. Was a sufficient amount of sample sent for the tests indicated? (Yes) No
3. Are samples Within Holding time for new analysis? (Yes) No
4. Was the change documented in the sample receipt log book? (Yes) No

Received by: print J. Vergara Sign: J. Vergara

Sample ID#	New Analysis		Sample ID#	New Analysis
4300.1-20	VOA+15			

Comments: _____

\\lcp-system\c\My Documents\Change of Chain of Custody.doc 09/14/98

CASE NARRATIVE

Site: Streams
Lab ID: 4300

The duplicate analysis was performed on Stream Site #13 (Lab ID 4300.17).

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB02873.d**	Sample Name	**Vblk89**
Operator	**Skelton**	Field ID	**Vblk89**
Date Aquired	**09-Mar-99**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
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	
	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	
	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	

* Water Quality Criteria as per N.J.A.C. 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Vblk89**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: Vblk89

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02873.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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	**VB02896.d**	Sample Name	**4300.20**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**10-Mar-99**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
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	
	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	12.59	1566445	134.27 ug/L	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	
	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	

* Water Quality Criteria as per N.J.A.C. 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.20

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02896.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/10/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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	**VB02895.d**	Sample Name	**4300.19**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**10-Mar-99**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
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	
	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	12.59	129559	11.15 ug/L	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	
	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	

* Water Quality Criteria as per N.J.A.C. 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.19

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02895.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/10/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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	**VB02891.d**	Sample Name	**4300.15**
Operator	**Skelton**	Field ID	**StreamSite#03**
Date Aquired	**09-Mar-99**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
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	
	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	
	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	

* Water Quality Criteria as per N.J.A.C. 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#03**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.15

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02891.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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

ata File	**VB02888.d**	Sample Name	**4300.12**
Operator	**Skelton**	Field ID	**StreamSite#04**
Date Acquired	**09-Mar-99**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
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	
	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	
	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	26.46	69068	5.61 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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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: **SS#04**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.12

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02888.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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 Rcport
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

ata File	**VB02889.d**	Sample Name	**4300.13**
perator	**Skelton**	Field ID	**StreamSite#05**
Date Acquired	**09-Mar-99**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
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	
	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	
	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	26.46	65492	5.45 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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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: **SS#05**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.13

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02889.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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

ata File	**VB02887.d**	Sample Name	**4300.11**
Operator	**Skelton**	Field ID	**StreamSite#07**
Date Acquired	**09-Mar-99**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
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	
	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	
	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	26.47	34897	2.85 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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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: **SS#07**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.11

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02887.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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

ata File	**VB02880.d**	Sample Name	**4300.04**
Operator	**Skelton**	Field ID	**StreamSite#09**
Date Acquired	**09-Mar-99**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
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	
	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	
	cis-1,2-Dichloroethene	17.01	38656	1.78 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	
124-48-1	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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: **SS#09**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02880.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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	**VB02884.d**	Sample Name	**4300.08**
Operator	**Skelton**	Field ID	**StreamSite#11**
Date Aquired	**09-Mar-99**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
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	
	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	
	cis-1,2-Dichloroethene	17.01	182821	9.11 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	

* Water Quality Criteria as per N.J.A.C. 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#11**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02884.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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	**VB02882.d**	Sample Name	**4300.06**
Operator	**Skelton**	Field ID	**StreamSite#12**
Date Aquired	**09-Mar-99**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
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	
	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	
	cis-1,2-Dichloroethene	17.01	36831	1.80 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	

* Water Quality Criteria as per N.J.A.C. 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#12**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02882.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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	**VB02893.d**	Sample Name	**4300.17**
Operator	**Skelton**	Field ID	**StreamSite#13**
Date Aquired	**10-Mar-99**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
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	
	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	
	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	

* Water Quality Criteria as per N.J.A.C. 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#13**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.17

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02893.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/10/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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	**VB02892.d**	Sample Name	**4300.16**
Operator	**Skelton**	Field ID	**StreamSite#14**
Date Aquired	**09-Mar-99**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
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	
	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	
	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	

* Water Quality Criteria as per N.J.A.C. 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#14**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.16

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02892.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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	**VB02885.d**	Sample Name	**4300.09**
Operator	**Skelton**	Field ID	**StreamSite#15**
Date Aquired	**09-Mar-99**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
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	
	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	
	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	26.47	96689	7.33 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	

* Water Quality Criteria as per N.J.A.C. 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#15**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02885.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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	**VB02886.d**	Sample Name	**4300.10**
Operator	**Skelton**	Field ID	**StreamSite#16**
Date Acquired	**09-Mar-99**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
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	
	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	
	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	26.47	78286	6.06 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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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: **SS#16**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02886.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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	**VB02890.d**	Sample Name	**4300.14**
Operator	**Skelton**	Field ID	**StreamSite#17**
Date Acquired	**09-Mar-99**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
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	
	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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: **SS#17**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.14

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02890.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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	**VB02883.d**	Sample Name	**4300.07**
Operator	**Skelton**	Field ID	**StreamSite#18**
Date Aquired	**09-Mar-99**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
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	
	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	
	cis-1,2-Dichloroethene	17.01	79823	3..95 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	

* Water Quality Criteria as per N.J.A.C. 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#18**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02883.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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	**VB02881.d**	Sample Name	**4300.05**
Operator	**Skelton**	Field ID	**StreamSite#19**
Date Acquired	**09-Mar-99**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
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	
	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	
	cis-1,2-Dichloroethene	17.00	48403	2.30 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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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: **SS#19**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02881.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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

ata File	**VB02879.d**	Sample Name	**4300.03**
Operator	**Skelton**	Field ID	**StreamSite#20**
Date Acquired	**09-Mar-99**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
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	
	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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: **SS#20**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02879.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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

ata File	**VB02878.d**	Sample Name	**4300.02**
Operator	**Skelton**	Field ID	**StreamSite#21**
Date Acquired	**09-Mar-99**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
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	
	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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: **SS#21**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02878.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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 **VB02877.d** Sample Name **4300.01**
Operator **Skelton** Field ID **StreamSite#22**
Date Acquired **09-Mar-99** Sample Multiplie **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifiers
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	
	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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: **SS#22**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02877.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/9/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil 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	**VB02894.d**	Sample Name	**4300.18**
Operator	**Skelton**	Field ID	**Field Dup**
Date Aquired	**10-Mar-99**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
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	
	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	
	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	

* Water Quality Criteria as per N.J.A.C. 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Dup**

Lab Name: FMETL Project Streams

NJDEP# 13461 Case No.: 4300 SDG No _____ Location Streams

Matrix: (soil/water) WATER Lab Sample ID: 4300.18

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02894.D

Level: (low/med) LOW Date Received: 2/25/99

% Moisture: not dec. _____ Date Analyzed: 3/10/99

GC Column: Rtx5MS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Stream Water Analysis
February 1999

Sample ID	Date Sampled	Stream Site#	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphates (mg/L)	Sulfates (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
4300.01	02/25/99	22	7.88	0.171	0.2	ND	1350	9.6	20	ND	16
4300.02	02/25/99	21	7.75	0.185	0.1	ND	1250	8.3	60	ND	16
4300.03	02/25/99	20	7.74	0.268	ND	ND	1100	9.6	80	ND	15
4300.04	02/25/99	09	6.73	0.584	ND	ND	23	8.6	80	ND	0
4300.05	02/25/99	19	6.74	0.311	0.9	ND	29	8.6	180	40	0
4300.06	02/25/99	12	6.81	0.285	1.2	ND	26	7.9	80	40	0
4300.07	02/25/99	18	9.92	0.209	ND	ND	25	8.0	ND	80	0
4300.08	02/25/99	11	6.90	0.165	1.8	ND	23	8.5	60	100	0
4300.09	02/25/99	15	6.75	0.289	0.8	ND	46	8.5	440	160	0
4300.10	02/25/99	16	6.63	0.691	0.5	ND	32	8.4	160	80	0
4300.11	02/25/99	07	6.70	0.506	ND	ND	110	7.7	240	80	1
4300.12	02/25/99	04	6.60	0.669	ND	ND	37	7.9	240	60	1
4300.13	02/25/99	05	6.63	0.688	0.2	ND	35	8.1	220	100	0
4300.14	02/25/99	17	6.76	0.308	0.2	ND	38	8.0	40	20	0
4300.15	02/25/99	03	6.59	0.193	ND	ND	35	7.8	120	100	0
4300.16	02/25/99	14	6.61	ND	0.8	ND	35	8.4	40	20	0
4300.17	02/25/99	13	6.68	0.647	0.1	ND	30	7.7	640	200	0

mg/L = parts per million
cfu = colony forming units
ND = Not detected

Completed:02/26/99
Reviewed:02/26/99

Daniel K. Wright
Laboratory Director

	Lab	Methylene Chloride	Tetrachloroethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	2	1
04/08/97	FMETL	2.00	ND
07/17/97	FMETL	ND	ND
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	ND
11/18/98	FMETL	ND	1.09
02/25/99	FMETL	ND	ND

SOURCE: 3

Sampling Dates:
04/08/97 - 02/25/99

NOTES:

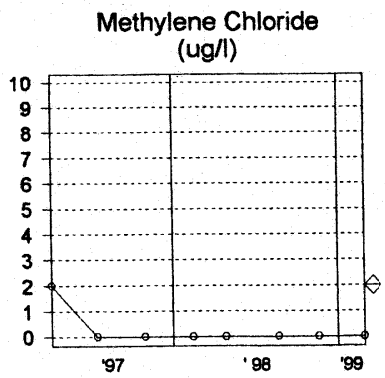
Fort Monmouth

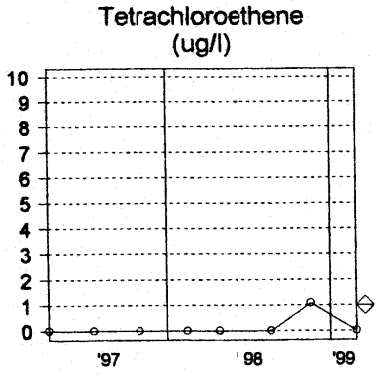
GW Monitoring
Streams

Well 1 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\strea~ ~f





SOURCE: 3

Sampling Dates:
04/08/97 - 02/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 1 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1
04/08/97	FMETL	2.18	ND	ND
07/17/97	FMETL	1.63	ND	1.61
10/30/97	FMETL	ND	ND	1.24
02/10/98	FMETL	ND	ND	6.61
04/21/98	FMETL	ND	ND	4.42
08/19/98	FMETL	1.92	1.10	2.85
11/17/98	FMETL	1.19	ND	1.62
02/25/99	FMETL	ND	ND	5.61

SOURCE: 4

Sampling Dates:
04/08/97 - 02/25/99

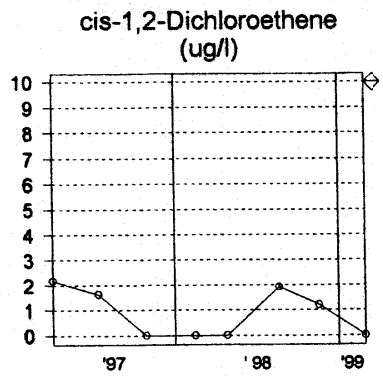
NOTES:

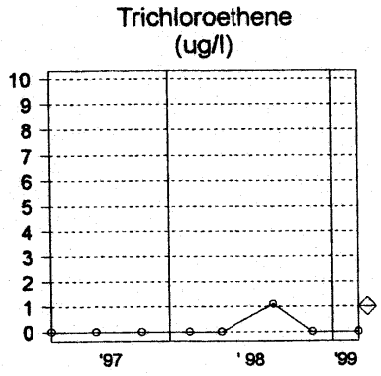
Fort Monmouth

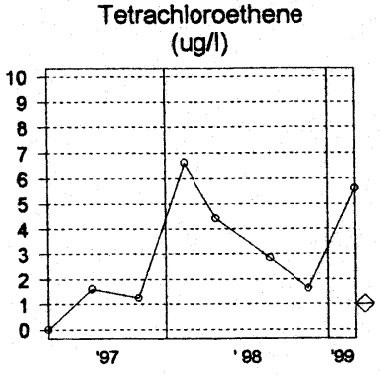
GW Monitoring
Streams

Well 2 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 4

Sampling Dates:
04/08/97 - 02/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 2 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\vntech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2	10	1	1
04/08/97	FMETL	1.96	1.80	ND	2.28
07/17/97	FMETL	ND	3.66	ND	3.54
10/30/97	FMETL	ND	1.83	ND	1.70
02/10/98	FMETL	ND	ND	ND	6.34
04/21/98	FMETL	ND	ND	ND	4.48
08/19/98	FMETL	ND	2.28	1.27	3.39
11/17/98	FMETL	ND	1.67	ND	2.17
02/25/99	FMETL	ND	ND	ND	5.45

SOURCE: 5

Sampling Dates:
04/08/97 - 02/25/99

NOTES:

Fort Monmouth

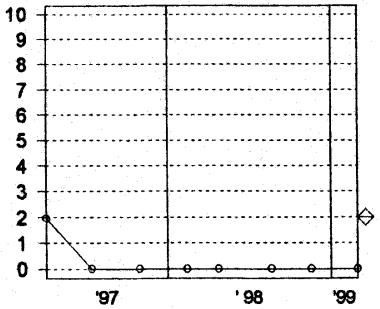
GW Monitoring
Streams

Well 3 of 17

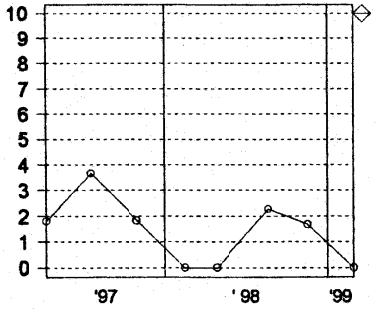
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\streams.wsf

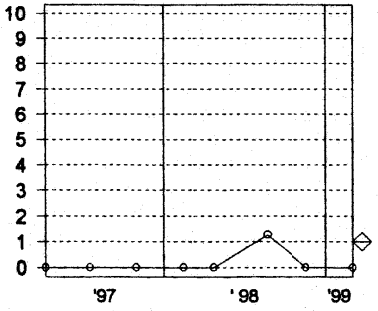
Methylene Chloride
(ug/l)



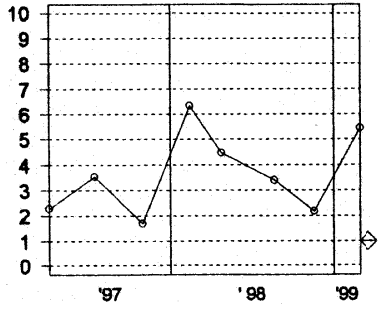
cis-1,2-Dichloroethene
(ug/l)



Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



SOURCE: 5

Sampling Dates:
04/08/97 - 02/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 3 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech48\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Tetrachloroethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	10	1
04/08/97	FMETL	ND	ND
07/17/97	FMETL	1.14	1.08
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	2.04
04/21/98	FMETL	ND	2.40
08/19/98	FMETL	ND	ND
11/17/98	FMETL	ND	ND
02/25/99	FMETL	ND	2.85

SOURCE: 7

Sampling Dates:
04/08/97 - 02/25/99

NOTES:

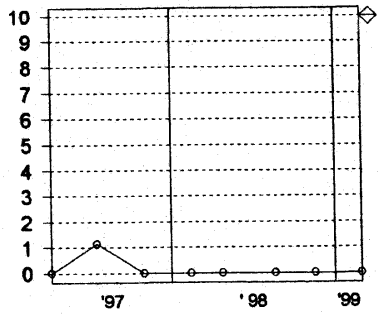
Fort Monmouth

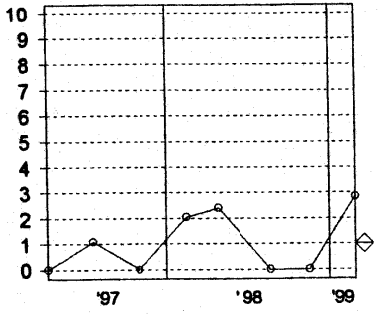
GW Monitoring
Streams

Well 4 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\streams.wsf





SOURCE: 7

Sampling Dates:
04/08/97 - 02/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 4 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	2	10
04/08/97	FMETL	1.82	2.78
07/17/97	FMETL	ND	ND
10/30/97	FMETL	ND	2.14
02/10/98	FMETL	ND	6.00
04/21/98	FMETL	ND	4.73
08/19/98	FMETL	ND	1.69
11/17/98	FMETL	ND	ND
02/25/99	FMETL	ND	1.78

SOURCE: 9

Sampling Dates:
04/08/97 - 02/25/99

NOTES:

Fort Monmouth

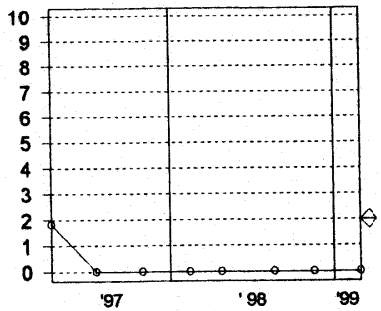
GW Monitoring
Streams

Well 5 of 17

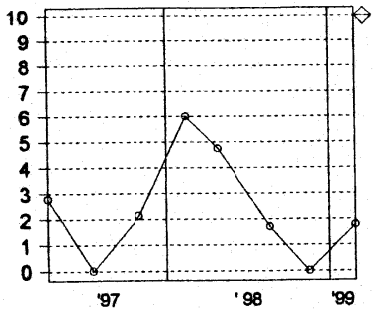
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech48\fm\streams\gw\stre~ ~vsf

Methylene Chloride
(ug/l)



cis-1,2-Dichloroethene
(ug/l)



SOURCE: 9

Sampling Dates:
04/08/97 - 02/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 5 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	10	1
04/08/97	FMETL	18.72	1.58
07/17/97	FMETL	14.13	ND
10/30/97	FMETL	18.23	ND
02/10/98	FMETL	24.71	2.14
04/21/98	FMETL	21.66	1.82
08/19/98	FMETL	11.73	ND
11/18/98	FMETL	8.82	ND
02/25/99	FMETL	9.11	ND

SOURCE: 11

Sampling Dates:
04/08/97 - 02/25/99

NOTES:

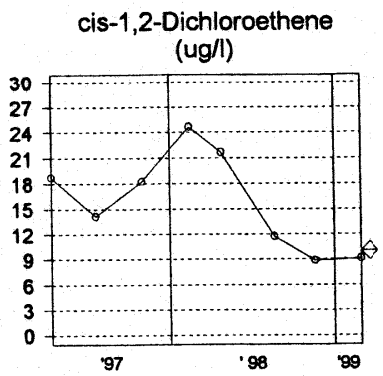
Fort Monmouth

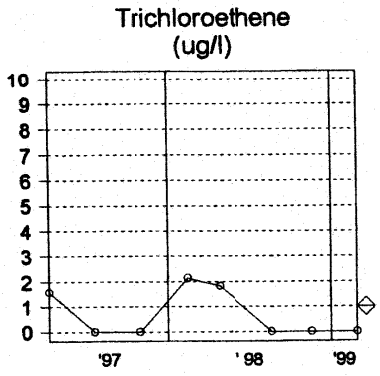
GW Monitoring
Streams

Well 6 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\strea





SOURCE: 11

Sampling Dates:
04/08/97 - 02/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 6 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene
Units:	-	ug/l
NJDEP Criteria:	-	10
04/08/97	FMETL	6.63
07/17/97	FMETL	ND
10/30/97	FMETL	5.67
02/10/98	FMETL	6.54
04/21/98	FMETL	ND
08/19/98	FMETL	4.58
11/18/98	FMETL	2.48
02/25/99	FMETL	1.80

SOURCE: 12

Sampling Dates:
04/08/97 - 02/25/99

NOTES:

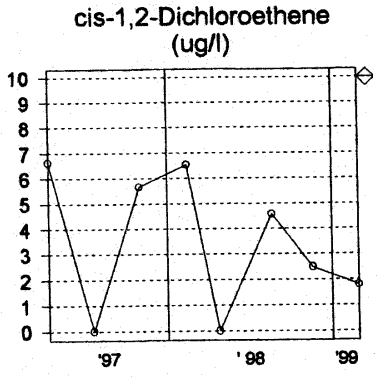
Fort Monmouth

GW Monitoring
Streams

Well 7 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\stre- sf



SOURCE: 12

Sampling Dates:
04/08/97 - 02/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 7 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech48\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	Acetone
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	2	700
04/08/97	FMETL	1.91	2.81
07/17/97	FMETL	ND	ND
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	ND
11/18/98	FMETL	ND	ND
02/25/99	FMETL	ND	ND

SOURCE: 13

Sampling Dates:
04/08/97 - 02/25/99

NOTES:

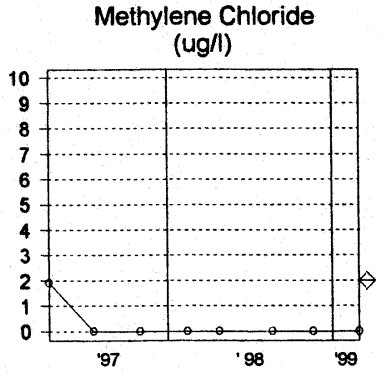
Fort Monmouth

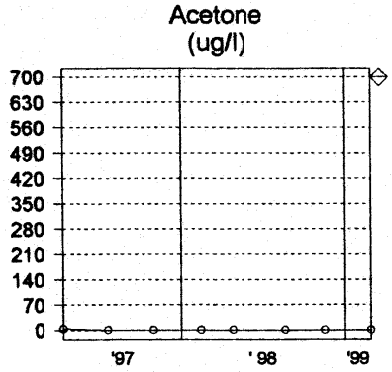
GW Monitoring
Streams

Well 8 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\streams.wsf





SOURCE: 13

Sampling Dates:
04/08/97 - 02/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 8 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Acetone
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	700
04/08/97	FMETL	ND	ND	3.94
07/17/97	FMETL	ND	ND	ND
10/30/97	FMETL	1.59	1.75	ND
02/10/98	FMETL	ND	ND	ND
04/21/98	FMETL	ND	ND	ND
08/19/98	FMETL	ND	ND	ND
11/18/98	FMETL	ND	ND	3.32
02/25/99	FMETL	ND	ND	ND

SOURCE: 14

Sampling Dates:
04/08/97 - 02/25/99

NOTES:

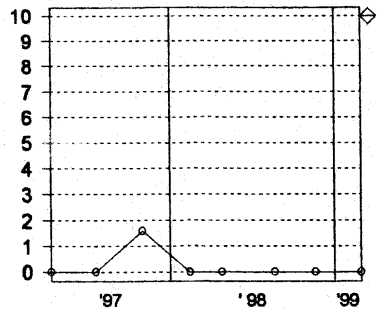
Fort Monmouth

GW Monitoring
Streams

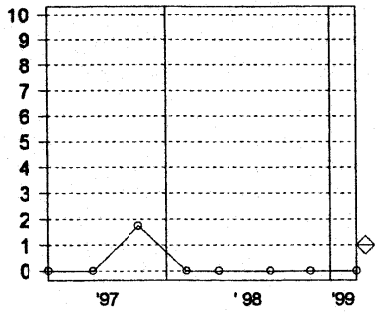
Well 9 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

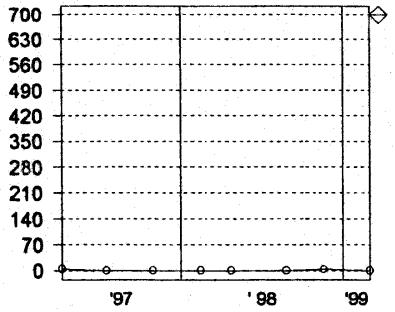
cis-1,2-Dichloroethene (ug/l)



Trichloroethene (ug/l)



Acetone (ug/l)



SOURCE: 14

Sampling Dates:
04/08/97 - 02/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 9 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1
04/08/97	FMETL	2.69	1.60	6.00
07/17/97	FMETL	5.53	2.50	7.12
10/30/97	FMETL	2.57	ND	2.72
02/10/98	FMETL	ND	1.03	6.90
04/21/98	FMETL	1.22	1.21	5.72
08/19/98	FMETL	3.89	2.06	5.39
11/18/98	FMETL	ND	ND	ND
02/25/99	FMETL	ND	ND	7.33

SOURCE: 15

Sampling Dates:
04/08/97 - 02/25/99

NOTES:

Fort Monmouth

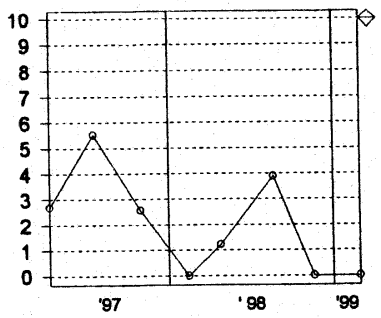
GW Monitoring
Streams

Well 10 of 17

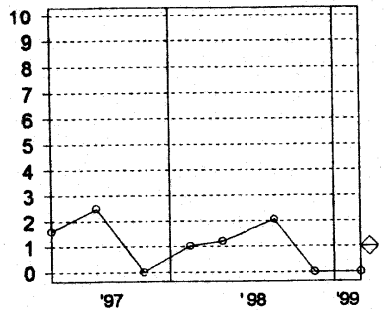
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech48\fm\streams\gw\str... wsf

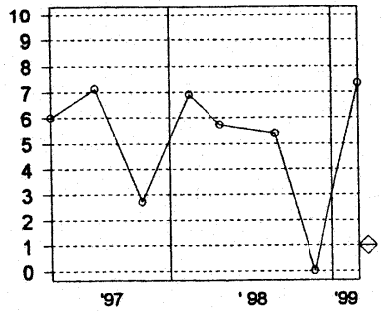
cis-1,2-Dichloroethene
(ug/l)



Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



SOURCE: 15

Sampling Dates:
04/08/97 - 02/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 10 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech48\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1
04/08/97	FMETL	2.05	1.26	4.47
07/17/97	FMETL	2.55	ND	4.72
10/30/97	FMETL	1.76	ND	1.86
02/10/98	FMETL	ND	ND	6.23
04/21/98	FMETL	ND	ND	4.58
08/19/98	FMETL	2.94	1.63	4.33
11/18/98	FMETL	ND	ND	1.48
02/25/99	FMETL	ND	ND	5.06

SOURCE: 16

Sampling Dates:
04/08/97 - 02/25/99

NOTES:

Fort Monmouth

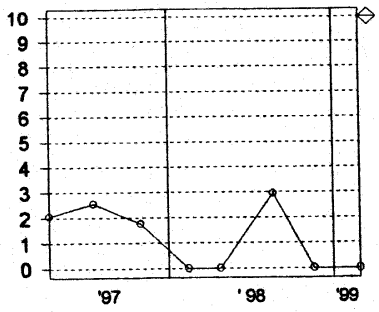
GW Monitoring
Streams

Well 11 of 17

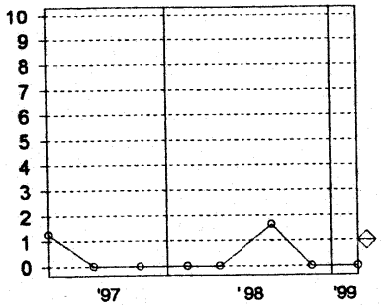
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\stream~ wsf

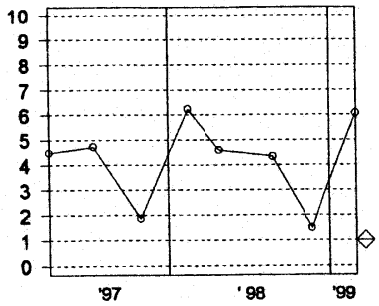
cis-1,2-Dichloroethene (ug/l)



Trichloroethene (ug/l)



Tetrachloroethene (ug/l)



SOURCE: 16

Sampling Dates:
04/08/97 - 02/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 11 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Chloro benzene
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1	700	4
04/08/97	FMETL	ND	ND	ND	1.97	ND
07/17/97	FMETL	ND	ND	ND	ND	ND
10/30/97	FMETL	ND	ND	ND	ND	ND
02/10/98	FMETL	ND	ND	ND	ND	1.59
04/21/98	FMETL	ND	ND	ND	ND	ND
08/19/98	FMETL	ND	ND	ND	ND	ND
11/18/98	FMETL	4.43	2.12	5.09	ND	ND
02/25/99	FMETL	ND	ND	ND	ND	ND

SOURCE: 17

Sampling Dates:
04/08/97 - 02/25/99

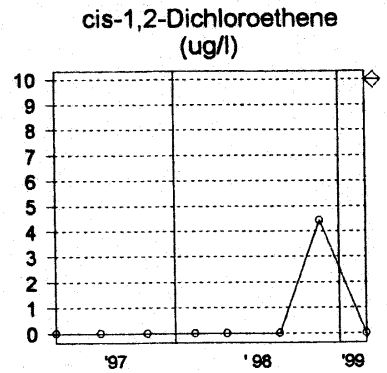
NOTES:

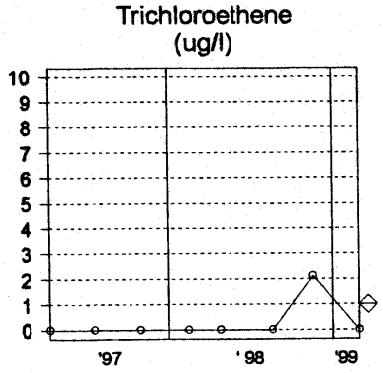
Fort Monmouth

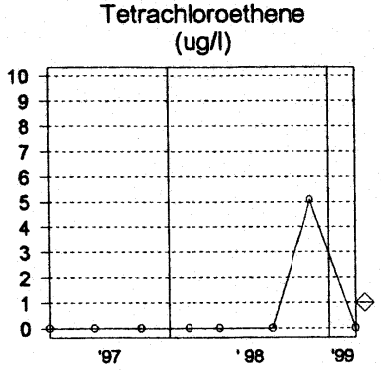
GW Monitoring
Streams

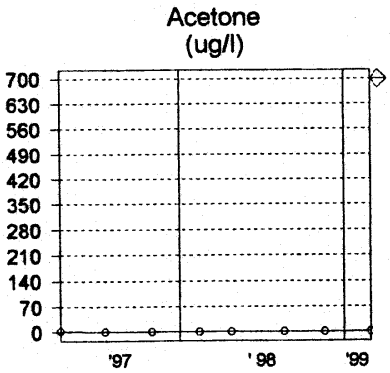
Well 12 of 17

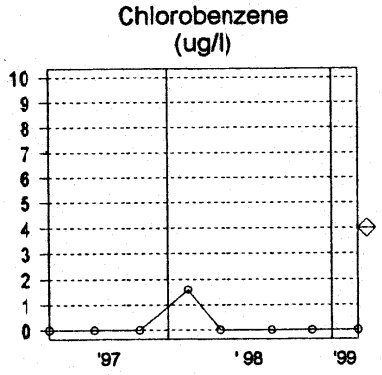
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 17

Sampling Dates:
04/08/97 - 02/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 12 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene
Units:	-	ug/l
NJDEP Criteria:	-	10
04/08/97	FMETL	ND
07/17/97	FMETL	1.06
10/30/97	FMETL	5.87
02/10/98	FMETL	14.36
04/21/98	FMETL	ND
08/19/98	FMETL	4.65
11/18/98	FMETL	3.18
02/25/99	FMETL	3.95

SOURCE: 18

Sampling Dates:
04/08/97 - 02/25/99

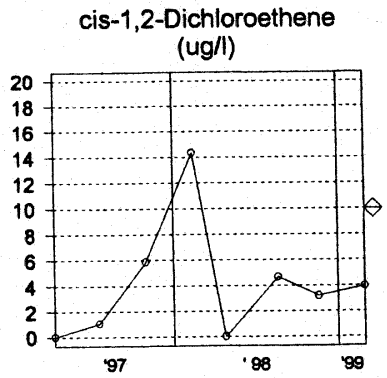
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 13 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 18

Sampling Dates:
04/08/97 - 02/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 13 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene
Units:	-	ug/l
NJDEP Criteria:	-	10
04/08/97	FMETL	6.44
07/17/97	FMETL	ND
10/30/97	FMETL	4.69
02/10/98	FMETL	8.22
04/21/98	FMETL	6.86
08/19/98	FMETL	2.95
11/17/98	FMETL	2.3
02/25/99	FMETL	2.30

SOURCE: 19

Sampling Dates:
04/08/97 - 02/25/99

NOTES:

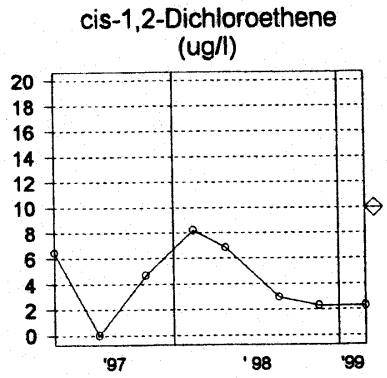
Fort Monmouth

GW Monitoring
Streams

Well 14 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\streams.wsf



SOURCE: 19

Sampling Dates:
04/08/97 - 02/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 14 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Ethyl benzene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	700	NLE
04/08/97	FMETL	2.18	ND
07/17/97	FMETL	ND	2.63
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	4.35
11/17/98	FMETL	ND	ND
02/25/99	FMETL	ND	ND

SOURCE: 20

Sampling Dates:
04/08/97 - 02/25/99

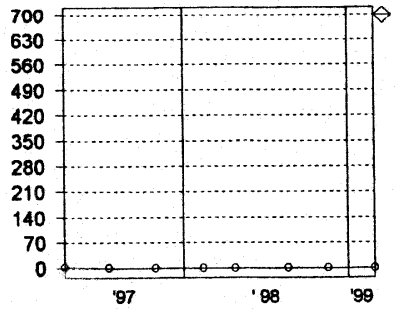
NOTES:

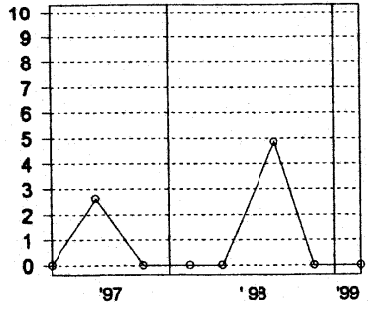
Fort Monmouth

GW Monitoring
Streams

Well 15 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 20

Sampling Dates:
04/08/97 - 02/25/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 15 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methyl-tert Butyl ether
Units:	-	ug/l
NJDEP Criteria:	-	NLE
04/08/97	FMETL	ND
07/17/97	FMETL	2.90
10/30/97	FMETL	ND
02/10/98	FMETL	ND
04/21/98	FMETL	ND
08/19/98	FMETL	4.71
11/17/98	FMETL	ND
02/25/99	FMETL	ND

SOURCE: 21

Sampling Dates:
04/08/97 - 02/25/99

NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 16 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

04-05-1999 c:\mtech46\fm\streams\gw\stre- sf

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: Streams/2nd Qtr.

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site 22	4579.003	Aqueous	29-Jun-99 12:00	06/29/99
Stream Site 21	4579.04	Aqueous	29-Jun-99 12:15	06/29/99
Stream Site 20	4579.05	Aqueous	29-Jun-99 12:25	06/29/99
Stream Site 09	4579.06	Aqueous	29-Jun-99 12:40	06/29/99
Stream Site 19	4579.07	Aqueous	29-Jun-99 09:14	06/29/99
Stream Site 12	4579.08	Aqueous	29-Jun-99 09:07	06/29/99
Stream Site 18	4579.09	Aqueous	29-Jun-99 09:00	06/29/99
Stream Site 11	4579.10	Aqueous	29-Jun-99 08:38	06/29/99
Stream Site 15	4579.11	Aqueous	29-Jun-99 08:50	06/29/99
Stream Site 16	4579.12	Aqueous	29-Jun-99 12:50	06/29/99
Stream Site 07	4579.13	Aqueous	29-Jun-99 13:10	06/29/99
Stream Site 04	4579.14	Aqueous	29-Jun-99 13:15	06/29/99
Stream Site 05	4579.15	Aqueous	29-Jun-99 13:30	06/29/99
Stream Site 17	4579.16	Aqueous	29-Jun-99 13:45	06/29/99
Stream Site 03	4579.17	Aqueous	29-Jun-99 13:50	06/29/99
Stream Site 14	4579.18	Aqueous	29-Jun-99 08:09	06/29/99
Stream Site 13	4579.19	Aqueous	29-Jun-99 08:24	06/29/99

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

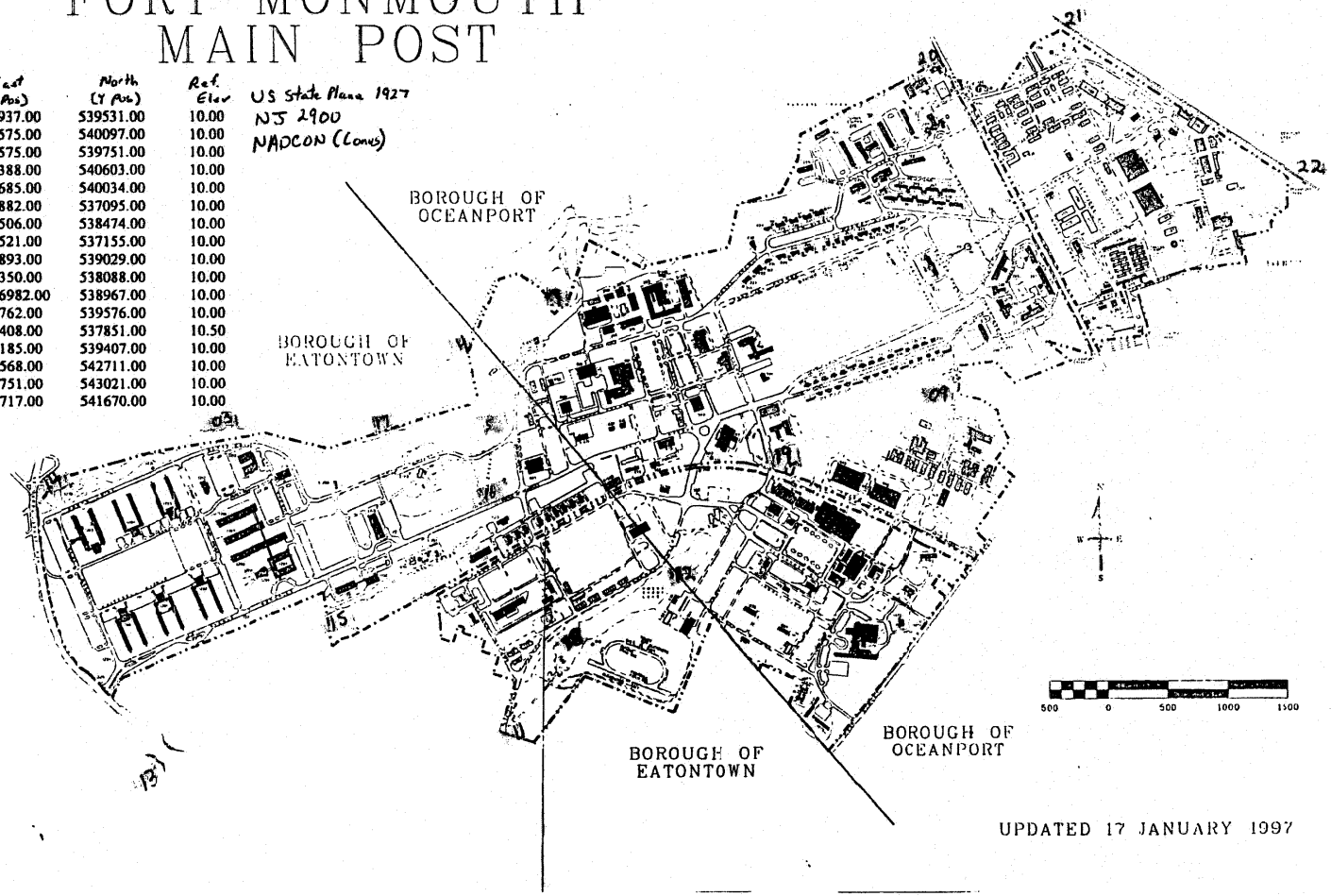
7/20/99

Daniel Wright/Date
Laboratory Director

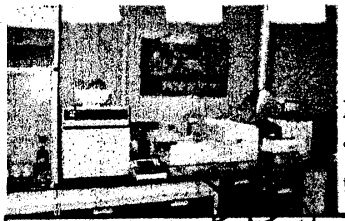
FORT MONMOUTH
MAIN POST

Stream #	East (X Pos)	North (Y Pos)	Ref. Elev
3	2169937.00	539531.00	10.00
4	2171575.00	540097.00	10.00
5	2171575.00	539751.00	10.00
7	2172388.00	540603.00	10.00
9	2175685.00	540034.00	10.00
11	2171882.00	537095.00	10.00
12	2173506.00	538474.00	10.00
13	2168521.00	537155.00	10.00
14	2167893.00	539029.00	10.00
15	2170350.00	538088.00	10.00
16	21716982.00	538967.00	10.00
17	2170762.00	539576.00	10.00
18	2172408.00	537851.00	10.50
19	2174185.00	539407.00	10.00
20	2175568.00	542711.00	10.00
21	2176751.00	543021.00	10.00
22	2178717.00	541670.00	10.00

US State Plane 1927
NJ 2900
NADCON (Conus)



UPDATED 17 JANUARY 1997



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: 426223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: Streams 2nd Qtr '99

Samplers Name / Company : Corey McCormack, TUS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA's	Total Coli.	NH_3 / NO_3	BOD / SO_4	Temp °C	pH	Dissolved O_2	Salinity	Comments: Remarks / Preservation Method
4579 .01	Trip	6/29/99	0710	AQ	2	✓				—	—	—	—	HCL/H_2SO_4/4°C
.02	Field Blank		0804		5	✓	✓	✓	✓	—	—	—	—	
.03	Site #22		1200			✓	✓	✓	✓	30.7	7.13	5.12	21.0	
.04	#21		1215			✓	✓	✓	✓	31.1	8.14	4.27	21.0	
.05	#20		1225			✓	✓	✓	✓	31.2	8.03	4.17	21.0	
.06	#09		1240			✓	✓	✓	✓	29.4	8.23	4.42	0.0	HT: 1.60
.07	#19		0914			✓	✓	✓	✓	23.7	7.76	6.91	1.00	slow flow, clear
.08	#12		0907			✓	✓	✓	✓	25.7	7.89	6.47	1.000 0%	cloudy
.09	#18		0900			✓	✓	✓	✓	24.4	7.94	6.51	1.000 0%	cloudy
.10	#11		0838			✓	✓	✓	✓	23.5	7.83	6.87	1.000 0%	slightly cldy, flwg
.11	#15		0850			✓	✓	✓	✓	23.5	7.73 7.72	6.72	1.000 0%	clear, good flow
.12	#16		1250			✓	✓	✓	✓	28.5	8.10	3.40	0.0	HT: 1.0T Read ABK
.13	#07		1310			✓	✓	✓	✓	30.9	7.05	7.01	0.0	lat Read ABK
.14	#04	↓	1315	↓	↓	✓	✓	✓	✓	30.3	7.47	4.43	2	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	6/29/99 1400				
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
Turnaround time: (X)Standard 4 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks:
Tide: High

print legibly

Coc.xls6/18/99

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. FALLON
Phone #: X26223
( )DERA ( )OMA ( )Other:

Project No:
Location: Streams 2nd Qtr '99

Samplers Name / Company : Cory McCormack, TUS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA + 15	Total Coli	NH_3 / NO_3	PO_4 / SO_4	Temp °C	pH	Dissolved O_2	Salinity	Comments: HCl / H_2SO_4 / <4°C Remarks / Preservation Method
4579.15	#05	6/29/99	1330	AQ	5	✓	✓	✓	✓	29.1	7.15	4.36	0	
.16	#17		1345			✓	✓	✓	✓	31.2	7.44	5.82	0	
.17	#03		1350			✓	✓	✓	✓	23.9	7.32	5.69	0	
.18	* #14		0809			✓	✓	✓	✓	23.7	7.38	5.85	1.000 / 0.9‰	cloudy, stagnant
.19	#13		0824			✓	✓	✓	✓	25.2	7.31	7.31	1.000 / 0.8‰	cloudy, moderate flow
.20	Dupe	↓	—	↓	↓	✓	✓	✓	✓	—	—	—	—	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Cory McCormack	6/29/99 1400				
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
Turnaround time: (X)Standard 4 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks:
Tide : High

CASE NARRATIVE

Site: Streams

Lab ID: 4579

The field duplicate was performed on 4579.18 (Field ID Stream # 14).

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC000426.D**	Sample Name	**vblk12**
Operator	**Deinhardt**	Field ID	**vblk12**
Date Acquired	**9 Jul 1999 3:10 pm**	Sample Multiplie	**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	
	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	
	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-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

FIELD ID: **vblk12**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: vblk12

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000426.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/9/99

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	VC000456.D	Sample Name	Vblk13
Operator	Skelton	Field ID	Vblk13
Date Acquired	12 Jul 1999 11:45 am	Sample Multiplie	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	
	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	
	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-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

FIELD ID: **Vblk13**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: Vblk13

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000456.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/12/99

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 **VC000433.D**
Operator **Deinhardt**
Date Acquired **9 Jul 1999 8:20 pm**

Sample Name **4579.01**
Field ID **Trip Blank**
Sample Multiplie **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	
	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	
	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	23.63	372022	1.84 ug/L	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	27.67	120342	1.31 ug/L	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-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

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4579.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000433.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. Date Analyzed: 7/9/99

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 **VC000434.D**
Operator **Deinhardt**
Date Acquired **9 Jul 1999 9:01 pm**

Sample Name **4579.02**
Field ID **Field Blank**
Sample Multiplie **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	
	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	
	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-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

7/20/99 11:07 AM

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.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000434.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/9/99

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 **VC000435.D**
Operator **Deinhardt**
Date Acquired **9 Jul 1999 9:42 pm**

Sample Name **4579.03**
Field ID **Site #22**
Sample Multiplie **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	11.84	866010	8.30 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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-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

FIELD ID: **Site #22**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000435.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/9/99

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	**VC000436.D**	Sample Name	**4579.04**
Operator	**Deinhardt**	Field ID	**Site #21**
Date Acquired	**9 Jul 1999 10:24 pm**	Sample Multiplie	**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	11.84	762524	7.40 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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-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

FIELD ID: **Site #21**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000436.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/9/99

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	**VC000437.D**	Sample Name	**4579.05**
Operator	**Deinhardt**	Field ID	**Site #20**
Date Acquired	**9 Jul 1999 11:05 pm**	Sample Multiplie	**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	11.85	578923	5.70 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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-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

7/20/99 11:11 AM

C:\HPCHEM\Custrpt\Volatile\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Site #20**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000437.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/9/99

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	**VC000438.D**	Sample Name	**4579.06**
Operator	**Deinhardt**	Field ID	**Site #09**
Date Acquired	**9 Jul 1999 11:46 pm**	Sample Multiplie	**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	
	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	8.89	30504	2.50 ug/L	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	
	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-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

FIELD ID: **Site #09**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000438.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/9/99

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	**VC000439.D**	Sample Name	**4579.07**
Operator	**Deinhardt**	Field ID	**Site #19**
Date Acquired	**10 Jul 1999 12:27 am**	Sample Multiplie	**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	
	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	
	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-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

FIELD ID: **Site #19**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000439.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/10/99

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	**VC000440.D**	Sample Name	**4579.08**
Operator	**Deinhardt**	Field ID	**Site #12**
Date Acquired	**10 Jul 1999 1:09 am**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.74	71538	1.39 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-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

7/20/99 11:07 AM

C:\HPCHEM\Custrpt\Volatile\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Site #12**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000440.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/10/99

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 **VC000441.D**
Operator **Deinhardt**
Date Acquired **10 Jul 1999 1:50 am**

Sample Name **4579.09**
Field ID **Site #18**
Sample Multiplie **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	
	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	
	cis-1,2-Dichloroethene	15.74	72930	1.47 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-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

FIELD ID: **Site #18**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000441.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/10/99

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	**VC000442.D**	Sample Name	**4579.10**
Operator	**Deinhardt**	Field ID	**Site #11**
Date Acquired	**10 Jul 1999 2:31 am**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.74	285480	5.77 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-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

FIELD ID: **Site #11**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000442.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/10/99

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	**VC000443.D**	Sample Name	**4579.11**
Operator	**Deinhardt**	Field ID	**Site #15**
Date Acquired	**10 Jul 1999 3:13 am**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.75	203786	4.17 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	20.30	93158	2.40 ug/L	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	25.29	266731	7.86 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-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

FIELD ID: **Site #15**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.11

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000443.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/10/99

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	**VC000444.D**	Sample Name	**4579.12**
Operator	**Deinhardt**	Field ID	**Site #16**
Date Acquired	**10 Jul 1999 3:54 am**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.74	168538	3.56 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	20.30	86569	2.25 ug/L	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	25.30	253924	7.70 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-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

FIELD ID: **Site #16**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.12

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000444.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/10/99

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 **VC000445.D**
Operator **Deinhardt**
Date Acquired **10 Jul 1999 4:35 am**

Sample Name **4579.13**
Field ID **Site #07**
Sample Multiplie **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	11.84	169748	2.00 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	8.88	30498	2.94 ug/L	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	
	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	25.29	46284	1.42 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-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

FIELD ID: **Site #07**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.13

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000445.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/10/99

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	**VC000446.D**	Sample Name	**4579.14**
Operator	**Deinhardt**	Field ID	**Site #04**
Date Acquired	**10 Jul 1999 5:17 am**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.75	109089	2.41 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	20.31	57043	1.56 ug/L	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	25.30	167201	5.27 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-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

7/20/99 11:11 AM

C:\HPCHEM\Custrpt\Volatile\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Site #04**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.14

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000446.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/10/99

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	**VC000447.D**	Sample Name	**4579.15**
Operator	**Deinhardt**	Field ID	**Site #05**
Date Acquired	**10 Jul 1999 5:58 am**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.74	121223	2.74 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	20.30	62450	1.74 ug/L	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	25.30	184736	6.04 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-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

7/20/99 11:11 AM

C:\HPCHEM\Custrpt\Volatile\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Site #05**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.15

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000447.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/10/99

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	**VC000448.D**	Sample Name	**4579.16**
Operator	**Deinhardt**	Field ID	**Site #17**
Date Acquired	**10 Jul 1999 6:39 am**	Sample Multiplie	**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	
	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	
	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-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

FIELD ID: **Site #17**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4579.16

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000448.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. Date Analyzed: 7/10/99

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 **VC000449.D**
Operator **Deinhardt**
Date Acquired **10 Jul 1999 7:20 am**

Sample Name **4579.17**
Field ID **Site #03**
Sample Multiplie **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	
	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	
	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-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

FIELD ID: **Site #03**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.17

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000449.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/10/99

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	**VC000450.D**	Sample Name	**4579.18**
Operator	**Deinhardt**	Field ID	**Site #14**
Date Acquired	**10 Jul 1999 8:01 am**	Sample Multiplie	**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	
	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	
	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-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

7/20/99 11:07 AM

C:\HPCHEM\Custrpt\Volatile\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Site #14**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.18

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000450.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/10/99

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	**VC000451.D**	Sample Name	**4579.19**
Operator	**Deinhardt**	Field ID	**Site #13**
Date Acquired	**10 Jul 1999 8:42 am**	Sample Multiplie	**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	
	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	
	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-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

FIELD ID: **Site #13**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.19

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000451.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/10/99

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	**VC000465.D**	Sample Name	**4579.20**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**12 Jul 1999 5:57 pm**	Sample Multiplie	**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	
	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	
	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-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

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4579 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4579.20

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000465.D

Level: (low/med) LOW Date Received: 6/29/99

% Moisture: not dec. _____ Date Analyzed: 7/12/99

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

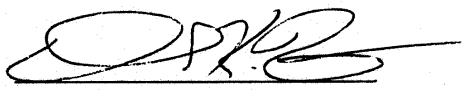
Stream Water Analysis

June 1999

Sample ID	Date Sampled	Stream Site#	Temp °C	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphates (mg/L)	Sulfates (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
4579.03	06/29/99	22	30.7	7.13	ND	0.2	ND	1950	5.12	140	ND	21.0
4579.04	06/29/99	21	31.1	8.14	ND	7.4	ND	1950	4.27	120	80	21.0
4579.05	06/29/99	20	31.2	8.03	ND	ND	ND	1650	4.17	380	80	21.0
4579.06	06/29/99	09	29.4	8.23	1.58	0.5	ND	135	4.42	10,200	900	0.0
4579.07	06/29/99	19	23.7	7.76	0.479	0.4	ND	20	6.91	3,220	340	0.0
4579.08	06/29/99	12	25.7	7.89	ND	0.7	0.21	21	6.47	660	120	0.0
4579.09	06/29/99	18	24.4	7.94	ND	0.8	ND	54	6.51	2,180	240	0.0
4579.10	06/29/99	11	23.5	7.83	0.293	1.2	ND	22	6.87	6,300	1,400	0.0
4579.11	06/29/99	15	23.5	7.73	1.03	0.7	ND	26	6.72	5,600	340	0.0
4579.12	06/29/99	16	28.5	8.10	1.34	0.4	ND	59	3.40	11,500	620	0.0
4579.13	06/29/99	07	30.9	7.05	ND	ND	ND	725	7.01	5,200	1,260	10.0
4579.14	06/29/99	04	30.3	7.47	1.09	0.2	ND	250	4.43	10,100	2,460	2.0
4579.15	06/29/99	05	29.1	7.15	1.06	0.5	ND	210	4.36	14,700	920	0
4579.16	06/29/99	17	31.2	7.44	1.32	ND	ND	140	5.82	>20,000	1,300	0.0
4579.17	06/29/99	03	23.9	7.32	2.17	ND	ND	230	5.61	16,100	1,040	0.0
4579.18	06/29/99	14	23.7	7.38	1.01	0.3	0.10	24	5.85	16,400	900	0.0
4579.19	06/29/99	13	25.2	7.37	ND	0.8	ND	25	7.31	12,800	280	0.0

mg/L = parts per million
cfu = colony forming units
ND = Not Detected

Completed:07/06/99
Reviewed:07/06/99



Daniel K. Wright

Laboratory Director

	Lab	Tetrachloroethene
Units:	-	ug/l
NJDEP Criteria:	-	1
04/08/97	FMETL	ND
07/17/97	FMETL	ND
10/30/97	FMETL	ND
02/10/98	FMETL	ND
04/21/98	FMETL	ND
08/19/98	FMETL	ND
11/18/98	FMETL	1.09
02/25/99	FMETL	ND
06/29/99	FMETL	ND

SOURCE: 3

Sampling Dates:
04/08/97 - 06/29/99

NOTES:

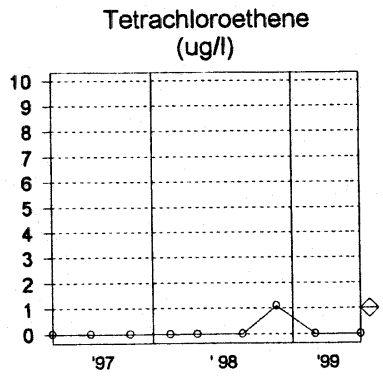
Fort Monmouth

GW Monitoring
Streams

Well 1 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\streams.wsf



SOURCE: 3

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 1 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gv ms.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1
04/08/97	FMETL	2.18	ND	ND
07/17/97	FMETL	1.63	ND	1.61
10/30/97	FMETL	ND	ND	1.24
02/10/98	FMETL	ND	ND	6.61
04/21/98	FMETL	ND	ND	4.42
08/19/98	FMETL	1.92	1.10	2.85
11/17/98	FMETL	1.19	ND	1.62
02/25/99	FMETL	ND	ND	5.61
06/29/99	FMETL	2.41	1.56	5.27

SOURCE: 4

Sampling Dates:
04/08/97 - 06/29/99

NOTES:

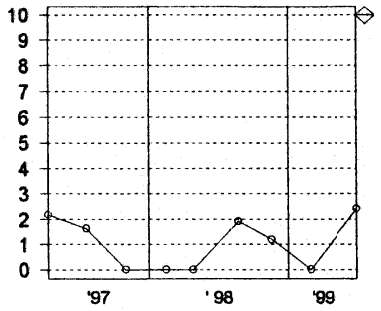
Fort Monmouth

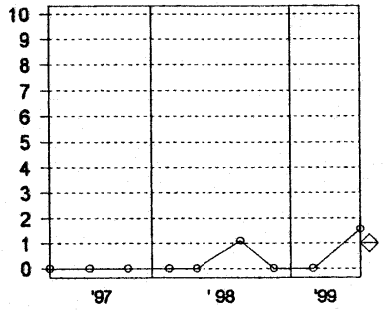
GW Monitoring
Streams

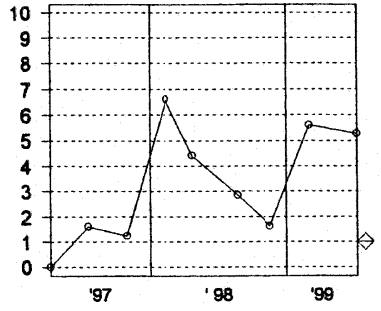
Well 2 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 4

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 2 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\g ns.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1
04/08/97	FMETL	1.80	ND	2.28
07/17/97	FMETL	3.66	ND	3.54
10/30/97	FMETL	1.83	ND	1.70
02/10/98	FMETL	ND	ND	6.34
04/21/98	FMETL	ND	ND	4.48
08/19/98	FMETL	2.28	1.27	3.39
11/17/98	FMETL	1.67	ND	2.17
02/25/99	FMETL	ND	ND	5.45
06/29/99	FMETL	2.74	1.74	6.04

SOURCE: 5

Sampling Dates:
04/08/97 - 06/29/99

NOTES:

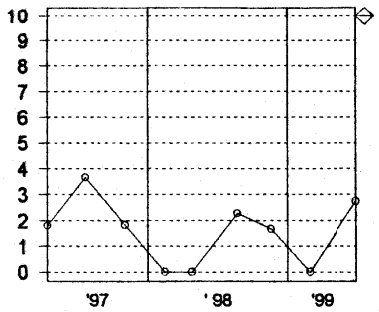
Fort Monmouth

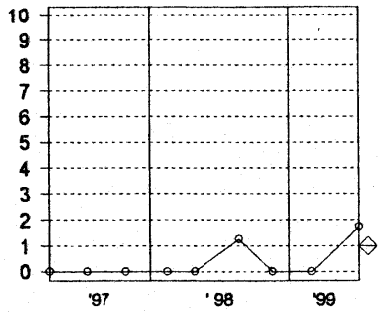
GW Monitoring
Streams

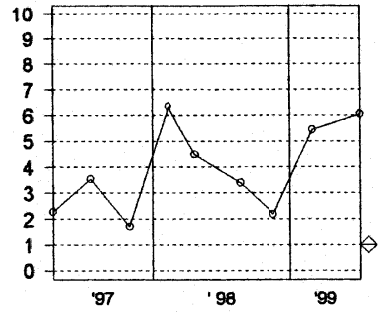
Well 3 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 5

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 3 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw s.wsf

	Lab	Tetrachloroethene	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	1	700	NLE
04/08/97	FMETL	ND	ND	ND
07/17/97	FMETL	1.08	ND	ND
10/30/97	FMETL	ND	ND	ND
02/10/98	FMETL	2.04	ND	ND
04/21/98	FMETL	2.40	ND	ND
08/19/98	FMETL	ND	ND	ND
11/17/98	FMETL	ND	ND	ND
02/25/99	FMETL	2.85	ND	ND
06/29/99	FMETL	1.42	2.94	2.00

SOURCE: 7

Sampling Dates:
04/08/97 - 06/29/99

NOTES:

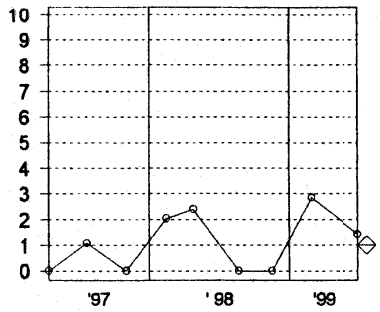
Fort Monmouth

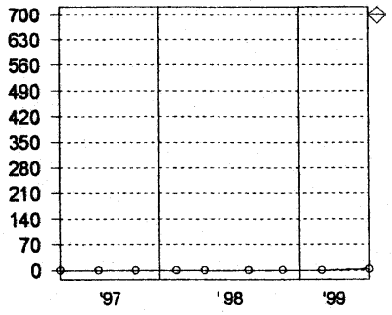
GW Monitoring
Streams

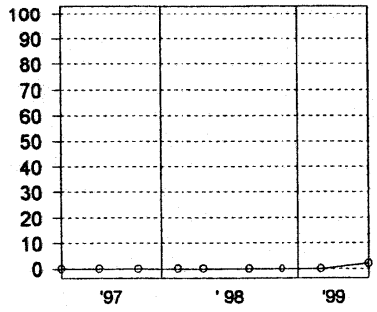
Well 4 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 7

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 4 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\ .wsf

	Lab	cis-1,2-dichloroethene	Acetone
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	10	700
04/08/97	FMETL	2.78	ND
07/17/97	FMETL	ND	ND
10/30/97	FMETL	2.14	ND
02/10/98	FMETL	6.00	ND
04/21/98	FMETL	4.73	ND
08/19/98	FMETL	1.69	ND
11/17/98	FMETL	ND	ND
02/25/99	FMETL	1.78	ND
06/29/99	FMETL	ND	2.50

SOURCE: 9

Sampling Dates:
04/08/97 - 06/29/99

NOTES:

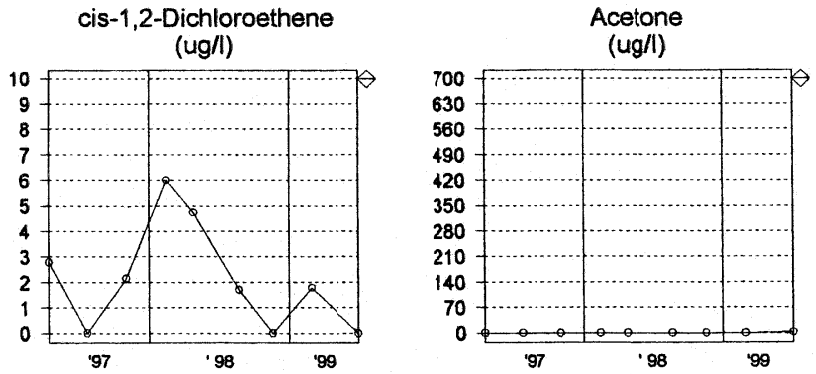
Fort Monmouth

GW Monitoring
Streams

Well 5 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\streams.wsf



SOURCE: 9

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 5 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gv ns.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	10	1
04/08/97	FMETL	18.72	1.58
07/17/97	FMETL	14.13	ND
10/30/97	FMETL	18.23	ND
02/10/98	FMETL	24.71	2.14
04/21/98	FMETL	21.66	1.82
08/19/98	FMETL	11.73	ND
11/18/98	FMETL	8.82	ND
02/25/99	FMETL	9.11	ND
06/29/99	FMETL	5.77	ND

SOURCE: 11

Sampling Dates:
04/08/97 - 06/29/99

NOTES:

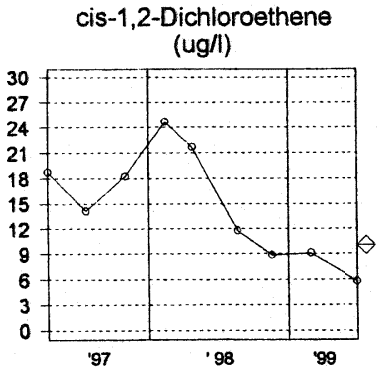
Fort Monmouth

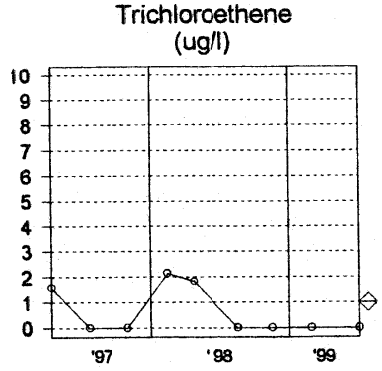
GW Monitoring
Streams

Well 6 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\streams.wsf





SOURCE: 11

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 6 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\g ns.wsf

	Lab	cis-1,2-dichloroethene
Units:	-	ug/l
NJDEP Criteria:	-	10
04/08/97	FMETL	6.63
07/17/97	FMETL	ND
10/30/97	FMETL	5.67
02/10/98	FMETL	6.54
04/21/98	FMETL	ND
08/19/98	FMETL	4.58
11/18/98	FMETL	2.48
02/25/99	FMETL	1.80
06/29/99	FMETL	1.39

SOURCE: 12

Sampling Dates:
04/08/97 - 06/29/99

NOTES:

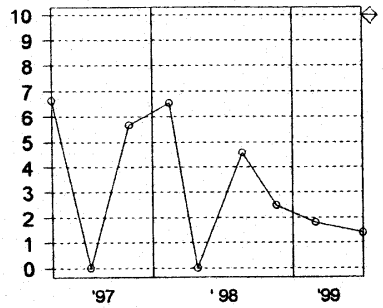
Fort Monmouth

GW Monitoring
Streams

Well 7 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\strea



SOURCE: 12

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 7 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	Acetone
Units:	-	ug/l
NJDEP Criteria:	-	700
04/08/97	FMETL	2.81
07/17/97	FMETL	ND
10/30/97	FMETL	ND
02/10/98	FMETL	ND
04/21/98	FMETL	ND
08/19/98	FMETL	ND
11/18/98	FMETL	ND
02/25/99	FMETL	ND
06/29/99	FMETL	ND

SOURCE: 13

Sampling Dates:
04/08/97 - 06/29/99

NOTES:

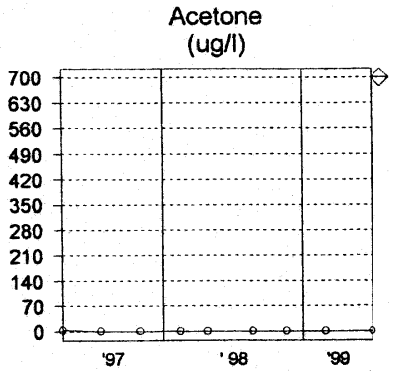
Fort Monmouth

GW Monitoring
Streams

Well 8 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\str sf



SOURCE: 13

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 8 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Acetone
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	700
04/08/97	FMETL	ND	ND	3.94
07/17/97	FMETL	ND	ND	ND
10/30/97	FMETL	1.59	1.75	ND
02/10/98	FMETL	ND	ND	ND
04/21/98	FMETL	ND	ND	ND
08/19/98	FMETL	ND	ND	ND
11/18/98	FMETL	ND	ND	3.32
02/25/99	FMETL	ND	ND	ND
06/29/99	FMETL	ND	ND	ND

SOURCE: 14

Sampling Dates:
04/08/97 - 06/29/99

NOTES:

Fort Monmouth

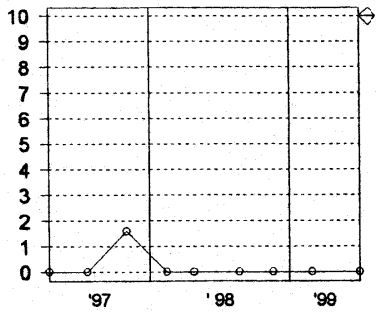
GW Monitoring
Streams

Well 9 of 17

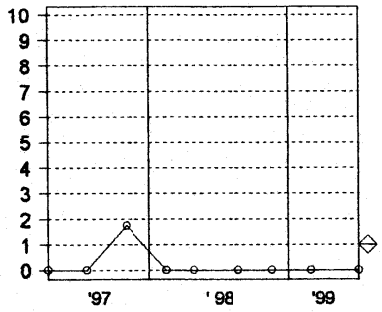
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\stre sf

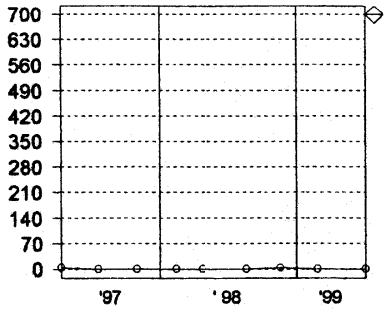
cis-1,2-Dichloroethene
(ug/l)



Trichloroethene
(ug/l)



Acetone
(ug/l)



SOURCE: 14

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 9 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1
04/08/97	FMETL	2.69	1.60	6.00
07/17/97	FMETL	5.53	2.50	7.12
10/30/97	FMETL	2.57	ND	2.72
02/10/98	FMETL	ND	1.03	6.90
04/21/98	FMETL	1.22	1.21	5.72
08/19/98	FMETL	3.89	2.06	5.39
11/18/98	FMETL	ND	ND	ND
02/25/99	FMETL	ND	ND	7.33
06/29/99	FMETL	4.17	2.40	7.86

SOURCE: 15

Sampling Dates:
04/08/97 - 06/29/99

NOTES:

Fort Monmouth

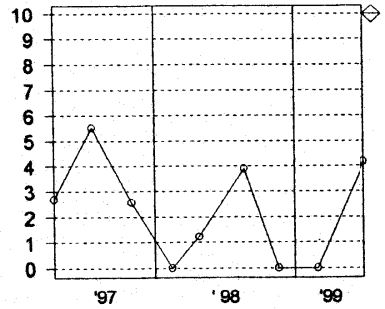
GW Monitoring
Streams

Well 10 of 17

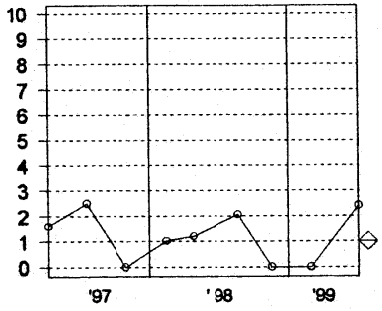
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\str wsf

cis-1,2-Dichloroethene
(ug/l)



Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)

SOURCE: 15

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 10 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech48\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1
04/08/97	FMETL	2.05	1.26	4.47
07/17/97	FMETL	2.55	ND	4.72
10/30/97	FMETL	1.76	ND	1.86
02/10/98	FMETL	ND	ND	6.23
04/21/98	FMETL	ND	ND	4.58
08/19/98	FMETL	2.94	1.63	4.33
11/18/98	FMETL	ND	ND	1.48
02/25/99	FMETL	ND	ND	6.06
06/29/99	FMETL	3.56	2.25	7.70

SOURCE: 16

Sampling Dates:
04/08/97 - 06/29/99

NOTES:

Fort Monmouth

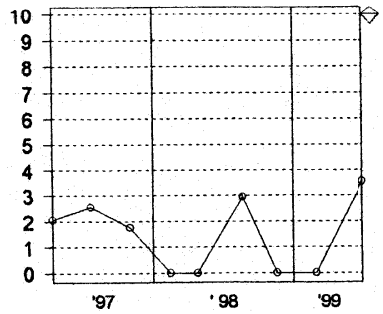
GW Monitoring
Streams

Well 11 of 17

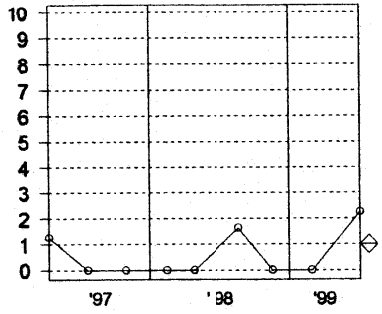
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-28-1999 c:\mtech46\fm\streams\gw\s' .wsf

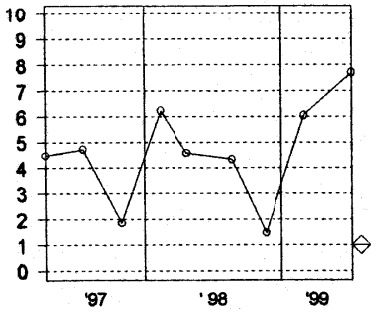
cis-1,2-Dichloroethene
(ug/l)



Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



SOURCE: 16

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 11 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Chloro benzene
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1	700	4
04/08/97	FMETL	ND	ND	ND	1.97	ND
07/17/97	FMETL	ND	ND	ND	ND	ND
10/30/97	FMETL	ND	ND	ND	ND	ND
02/10/98	FMETL	ND	ND	ND	ND	1.59
04/21/98	FMETL	ND	ND	ND	ND	ND
08/19/98	FMETL	ND	ND	ND	ND	ND
11/18/98	FMETL	4.43	2.12	5.09	ND	ND
02/25/99	FMETL	ND	ND	ND	ND	ND
06/29/99	FMETL	ND	ND	ND	ND	ND

SOURCE: 17

Sampling Dates:
04/08/97 - 06/29/99

NOTES:

Fort Monmouth

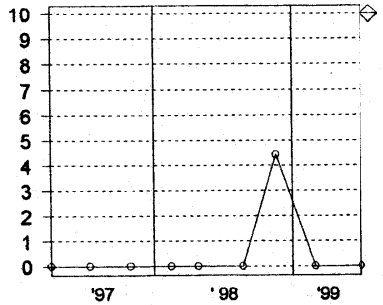
GW Monitoring
Streams

Well 12 of 17

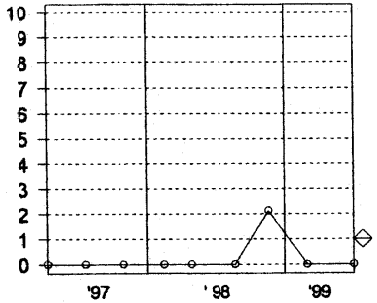
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\r wsf

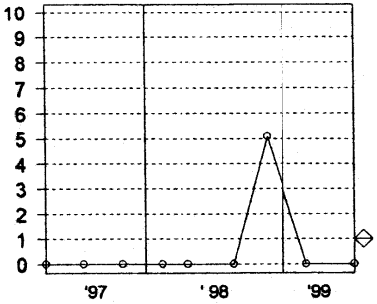
cis-1,2-Dichloroethene (ug/l)



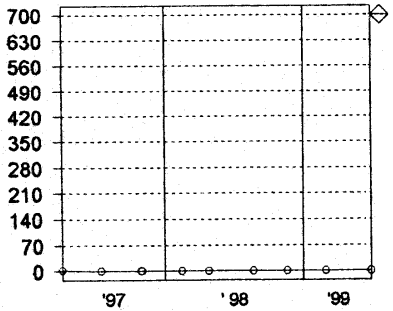
Trichloroethene (ug/l)



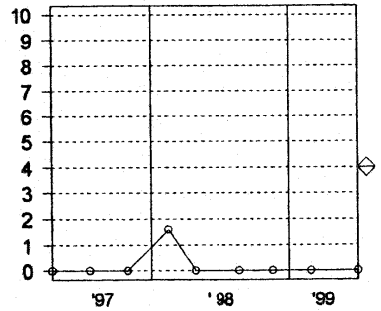
Tetrachloroethene (ug/l)



Acetone (ug/l)



Chlorobenzene (ug/l)



SOURCE: 17

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 12 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene
Units:	-	ug/l
NJDEP Criteria:	-	10
04/08/97	FMETL	ND
07/17/97	FMETL	1.06
10/30/97	FMETL	5.87
02/10/98	FMETL	14.36
04/21/98	FMETL	ND
08/19/98	FMETL	4.65
11/18/98	FMETL	3.18
02/25/99	FMETL	3.95
06/29/99	FMETL	1.47

SOURCE: 18

Sampling Dates:
04/08/97 - 06/29/99

NOTES:

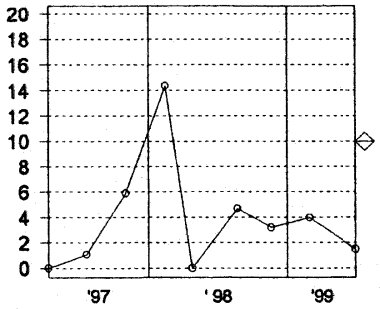
Fort Monmouth

GW Monitoring
Streams

Well 13 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-28-1999 c:\mtech48\fm\streams\gw\streams.wsf



SOURCE: 18

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 13 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	cis-1,2-dichloroethene
Units:	-	ug/l
NJDEP Criteria:	-	10
04/08/97	FMETL	6.44
07/17/97	FMETL	ND
10/30/97	FMETL	4.69
02/10/98	FMETL	8.22
04/21/98	FMETL	6.86
08/19/98	FMETL	2.95
11/17/98	FMETL	2.3
02/25/99	FMETL	2.30
06/29/99	FMETL	ND

SOURCE: 19

Sampling Dates:
04/08/97 - 06/29/99

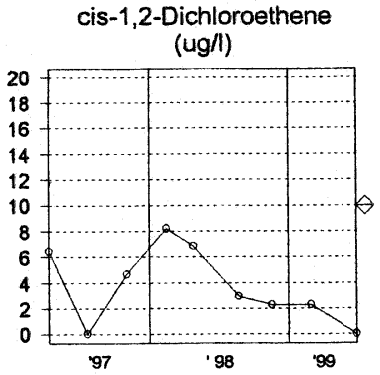
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 14 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 19

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 14 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\g 1s.wsf

	Lab	Ethyl benzene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	700	NLE
04/08/97	FMETL	2.18	ND
07/17/97	FMETL	ND	2.63
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	4.85
11/17/98	FMETL	ND	ND
02/25/99	FMETL	ND	ND
06/29/99	FMETL	ND	5.70

SOURCE: 20

Sampling Dates:
04/08/97 - 06/29/99

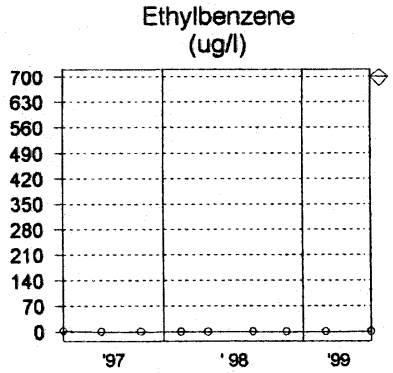
NOTES:

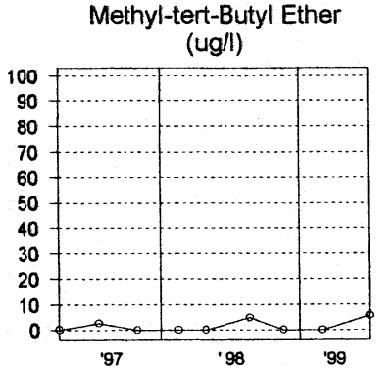
Fort Monmouth

GW Monitoring
Streams

Well 15 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 20

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 15 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-28-1999 c:\mtech46\fm\streams\gw\ .wsf

	Lab	Methyl-tert Butyl ether
Units:	-	ug/l
NJDEP Criteria:	-	NLE
04/08/97	FMETL	ND
07/17/97	FMETL	2.90
10/30/97	FMETL	ND
02/10/98	FMETL	ND
04/21/98	FMETL	ND
08/19/98	FMETL	4.71
11/17/98	FMETL	ND
02/25/99	FMETL	ND
06/29/99	FMETL	7.40

SOURCE: 21

Sampling Dates:
04/08/97 - 06/29/99

NOTES:

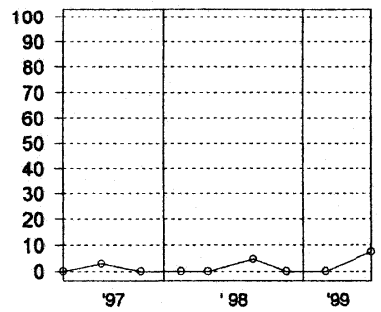
Fort Monmouth

GW Monitoring
Streams

Well 16 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 21

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 16 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methyl-tert Butyl ether
Units:	-	ug/l
NJDEP Criteria:	-	NLE
04/08/97	FMETL	ND
07/17/97	FMETL	4.26
10/30/97	FMETL	ND
02/10/98	FMETL	ND
04/21/98	FMETL	ND
08/19/98	FMETL	4.50
11/17/98	FMETL	ND
02/25/99	FMETL	ND
06/29/99	FMETL	8.30

SOURCE: 22

Sampling Dates:
04/08/97 - 06/29/99

NOTES:

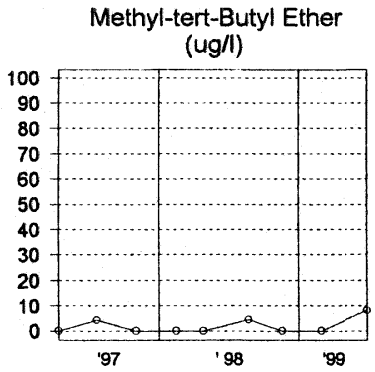
Fort Monmouth

GW Monitoring
Streams

Well 17 of 17

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-28-1999 c:\mtech46\fm\streams\gw\streams.wsf



SOURCE: 22

Sampling Dates:
04/08/97 - 06/29/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 17 of 17, Graph

U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-1999 c:\mtech46\fm\streams\gv ns.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: 3RD Quarter Streams

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site #22	4802.03	Aqueous	21-Sept-99 09:33	09/21/99
Stream Site #21	4802.04	Aqueous	21-Sept-99 09:49	09/21/99
Stream Site #20	4802.05	Aqueous	21-Sept-99 09:59	09/21/99
Stream Site #09	4802.06	Aqueous	21-Sept-99 10:08	09/21/99
Stream Site #19	4802.07	Aqueous	21-Sept-99 10:16	09/21/99
Stream Site #12	4802.08	Aqueous	21-Sept-99 10:27	09/21/99
Stream Site #18	4802.09	Aqueous	21-Sept-99 10:36	09/21/99
Stream Site #11	4802.10	Aqueous	21-Sept-99 10:47	09/21/99
Stream Site #15	4802.11	Aqueous	21-Sept-99 10:55	09/21/99
Stream Site #16	4806.03	Aqueous	22-Sept-99 09:07	09/22/99
Stream Site #07	4806.04	Aqueous	22-Sept-99 08:33	09/22/99
Stream Site #04	4806.05	Aqueous	22-Sept-99 08:54	09/22/99
Stream Site #05	4806.06	Aqueous	22-Sept-99 09:00	09/22/99
Stream Site #17	4806.07	Aqueous	22-Sept-99 09:25	09/22/99
Stream Site #03	4806.08	Aqueous	22-Sept-99 09:37	09/22/99
Stream Site #14	4806.09	Aqueous	22-Sept-99 09:46	09/22/99
Stream Site #13	4806.10	Aqueous	22-Sept-99 09:55	09/22/99

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

10/5/99
Daniel Wright/Date
Laboratory Director

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fulton
Phone #: X216223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: Streams 3rd Qrtr 99 Part I

Samplers Name / Company : Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA	NH_3	PO_4 SO_4	NO_3	Total Coli	Temp (0C)	pH (su)	Dissolv O_2 (ppm)	Comments: Remarks / Preservation Method
4802 .01	Trip Blank	9/21/99	0740	AQ	2	✓					–	–	–	Salinity
.02	Field Blank		—		5	✓	✓	✓	✓	✓	–	–	–	d_{20}^{20} — %
.03	*Stream site #22		0933		5	✓	✓	✓	✓	✓	12.7	6.54	6.71	1.014/19 %
.04	#21		0949		5	✓	✓	✓	✓	✓	12.9	6.56	6.89	1.014 d_{20}^{20} / 19 %
.05	#20		0959		5	✓	✓	✓	✓	✓	12.8	6.59	6.87	1.013 d_{20}^{20} / 18 %
.06	#09		1008			✓	✓	✓	✓	✓	12.7	7.35	6.91	1.001 d_{20}^{20} / 2 %
.07	#19		1016			✓	✓	✓	✓	✓	12.6	8.01 (3x)	6.98	1.000 d_{20}^{20} / 0 %
.08	#12		1027			✓	✓	✓	✓	✓	12.7	8.18 (3x)	6.91	1.000 d_{20}^{20} / 0 %
.09	#18		1036			✓	✓	✓	✓	✓	12.8	8.39 (2x)	6.90	1.000 d_{20}^{20} / 0 %
.10	#11		1047			✓	✓	✓	✓	✓	12.5	8.34	7.03	1.000 d_{20}^{20} / 0 %
.11	#15	↓	1055	↓	↓	✓	✓	✓	✓	✓	12.6	7.34	7.07	1.000 d_{20}^{20} / 0 %
.12	Dye	↓	—	↓	↓	✓	–	✓	✓	✓	–	–	–	—

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	9/21/99 1130	J. Fulton			
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
Turnaround time: (X)Standard 4 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks:
Tide: H → Outgoing
Refitted meter and redid Readings at #19 + #12 + #18. #11 Meter ok High pH's Real Reads cpm

print legibly

Page ___ of 1

Coc.xls8/13/99

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: K.J. Hallow
Phone #: X26223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: Streams 3rd Qtr '99 (Part II)

Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA	NH_3	PO_4 SO_4	NO_3	Total Coli.	Temp (oC)	pH (SU)	Dissolved O_2 (mg/L)	Remarks / Preservation Method
4596 .01	Trip	9/22/99	0740	AQ	2	✓					–	–	–	Salinity
.02	Field Blype		—		5	✓	✓	✓	✓	✓	–	–	–	—
.03	Stream Site #16		0907			✓	✓	✓	✓	✓	12.7	7.72	6.71	1.006 d_{20}^{20} / 5 %
.04	* #07		0833			✓	✓	✓	✓	✓	12.6	6.57	6.73	1.009 d_{20}^{20} / 8 %
.05	#04		0854			✓	✓	✓	✓	✓	12.5	7.28	6.76	1.0002 d_{20}^{20} / 1 %
.06	#05		0900			✓	✓	✓	✓	✓	12.6	7.55	6.74	1.0004 d_{20}^{20} / 2 %
.07	#17		0925			✓	✓	✓	✓	✓	12.7	7.38	6.77	1.002 d_{20}^{20} / 1 %
.08	#03		0937			✓	✓	✓	✓	✓	12.5	7.29	6.81	1.000 d_{20}^{20} / 0 %
.09	#14		0946			✓	✓	✓	✓	✓	12.4	7.32	6.83	1.000 d_{20}^{20} / 0 %
.10	#13	✓	0955	✓	✓	✓	✓	✓	✓	✓	12.7	7.83	6.71	1.000 d_{20}^{20} / 0 %

Comments: HCl / H_2SO_4 / <4 °C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	9/22/99 1030				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (✓)Standard, ( )Screen / non-certified
Turnaround time: (X)Standard 4 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks: Tide: H → outgoing

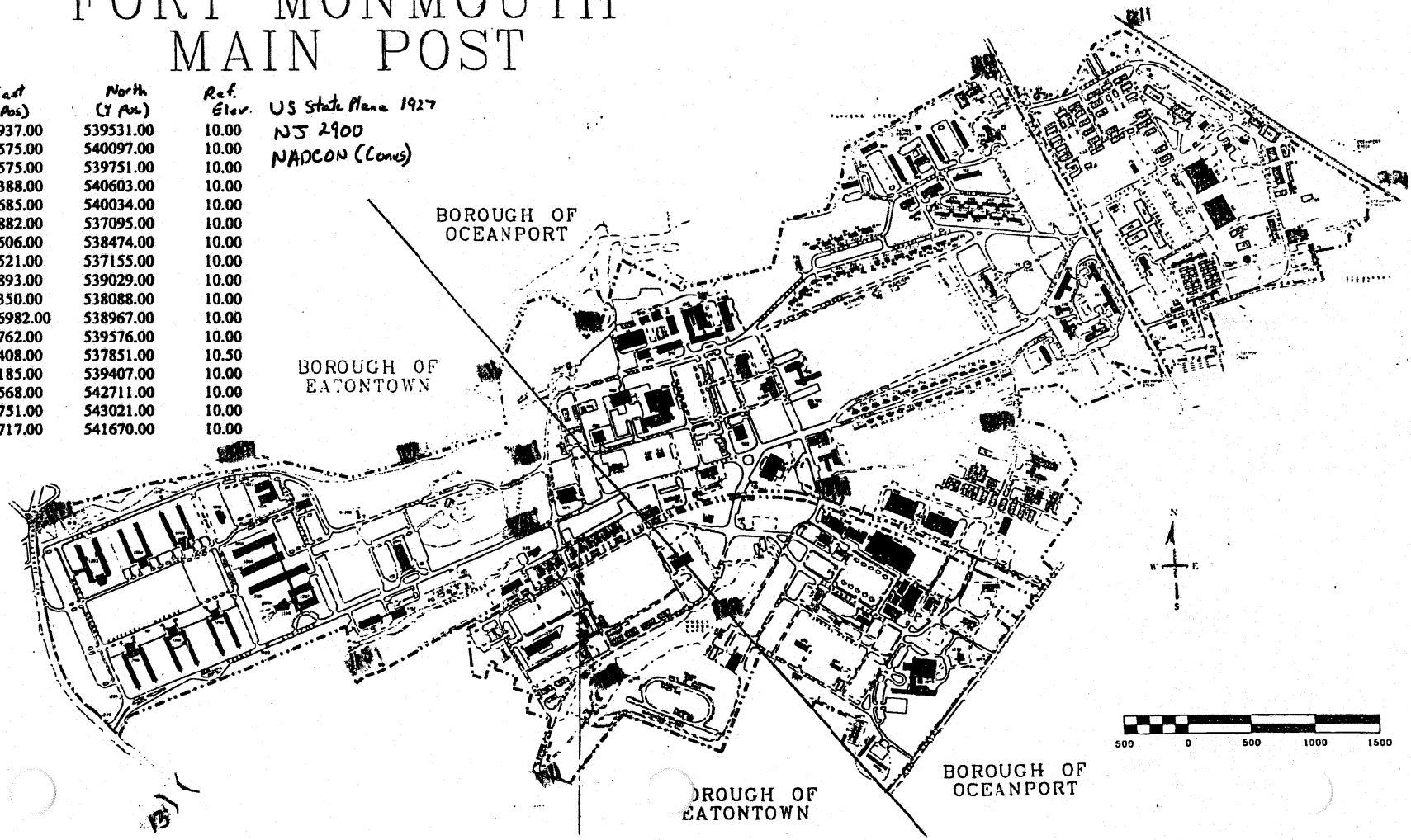
print legibly

Coc.xls8/13/99

FORT MONMOUTH
MAIN POST

Stream #	East (X Pos)	North (Y Pos)	Ref. Elev.
3	2169937.00	539531.00	10.00
4	2171575.00	540097.00	10.00
5	2171575.00	539751.00	10.00
7	2172388.00	540603.00	10.00
9	2175685.00	540034.00	10.00
11	2171882.00	537095.00	10.00
12	2173506.00	538474.00	10.00
13	2168521.00	537155.00	10.00
14	2167893.00	539029.00	10.00
15	2170350.00	538088.00	10.00
16	21716982.00	538967.00	10.00
17	2170762.00	539576.00	10.00
18	2172408.00	537851.00	10.50
19	2174185.00	539407.00	10.00
20	2175568.00	542711.00	10.00
21	2176751.00	543021.00	10.00
22	2178717.00	541670.00	10.00

US State Plane 1927
NJ 2900
NADCON (Conus)



CASE NARRATIVE

Site: Streams

Lab ID: 48021, 4806

The field duplicate, taken on 9/21/99 was performed on Stream Site #22.
The field duplicate, taken on 9/22/99 was performed on Stream Site #07.

VOLATILES

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL	: Method Detection Limit
J	: Compound identified below detection limit
B	: Compound in both sample and blank
D	: Results from dilution of sample
U	: Compound searched for but not detected
E	: Compound exceeds calibration limit

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC000924.D**	Sample Name	**Vblk31**
Operator	**Skelton**	Field ID	**Vblk31**
Date Acquired	**24 Sep 1999 2:41 pm**	Sample Multiplie	**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	
	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	
	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	

Qualifiers

B = Compound found in related blank
E = 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: **Vblk31**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4802 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: Vblk31

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000924.D

Level: (low/med) LOW Date Received: 9/21/99

% Moisture: not dec. _____ Date Analyzed: 9/24/99

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	**VC000925.D**	Sample Name	**4802.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**24 Sep 1999 3:23 pm**	Sample Multiplie	**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	
	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	
	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-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

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4802 Location: 3rdQtr9 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4802.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000925.D

Level: (low/med) LOW Date Received: 9/21/99

% Moisture: not dec. Date Analyzed: 9/24/99

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	**VC000937.D**	Sample Name	**4806.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**24 Sep 1999 11:29 pm**	Sample Multiplie	**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	
	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	11.15	65578	1.45 ug/L	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	
	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-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

10/1/99 10:25 AM

C:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4806 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4806.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000937.D

Level: (low/med) LOW Date Received: 9/22/99

% Moisture: not dec. _____ Date Analyzed: 9/24/99

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	**VC000926.D**	Sample Name	**4802.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**24 Sep 1999 4:04 pm**	Sample Multiplie	**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	
	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	
	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-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

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4802 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4802.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000926.D

Level: (low/med) LOW Date Received: 9/21/99

% Moisture: not dec. _____ Date Analyzed: 9/24/99

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	**VC000944.D**	Sample Name	**4806.08**
Operator	**Skelton**	Field ID	**SS#03**
Date Acquired	**25 Sep 1999 4:10 am**	Sample Multiplie	**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	
	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	
	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-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

10/1/99 10:25 AM

C:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#03**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4806 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4806.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000944.D

Level: (low/med) LOW Date Received: 9/22/99

% Moisture: not dec. _____ Date Analyzed: 9/25/99

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	**VC000941.D**	Sample Name	**4806.05**
Operator	**Skelton**	Field ID	**SS#04**
Date Acquired	**25 Sep 1999 2:10 am**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.74	107275	2.02 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	25.30	61303	1.85 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	

Qualifiers

B = Compound found in related blank
E = 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: **SS#04**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4806 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4806.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000941.D

Level: (low/med) LOW Date Received: 9/22/99

% Moisture: not dec. _____ Date Analyzed: 9/25/99

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	VC000942.D	Sample Name	4806.06
Operator	Skelton	Field ID	SS#05
Date Acquired	25 Sep 1999 2:50 am	Sample Multiplie	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	
	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	
	cis-1,2-Dichloroethene	15.73	100891	1.96 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	25.30	60070	1.82 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	

Qualifiers

B = Compound found in related blank
E = 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: **SS#05**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4806 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4806.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000942.D

Level: (low/med) LOW Date Received: 9/22/99

% Moisture: not dec. _____ Date Analyzed: 9/25/99

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	VC000940.D	Sample Name	4806.04
Operator	Skelton	Field ID	SS#07
Date Acquired	25 Sep 1999 1:30 am	Sample Multiplie	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	
	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	
	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	

Qualifiers

B = Compound found in related blank
E = 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: **SS#07**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4806 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4806.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000940.D

Level: (low/med) LOW Date Received: 9/22/99

% Moisture: not dec. _____ Date Analyzed: 9/25/99

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	**VC000930.D**	Sample Name	**4802.06**
Operator	**Skelton**	Field ID	**SS#09**
Date Acquired	**24 Sep 1999 6:46 pm**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.74	115353	1.91 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	

Qualifiers

B = Compound found in related blank
E = 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: **SS#09**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4802 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4802.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000930.D

Level: (low/med) LOW Date Received: 9/21/99

% Moisture: not dec. _____ Date Analyzed: 9/24/99

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	**VC000934.D**	Sample Name	**4802.10**
Operator	**Skelton**	Field ID	**SS#11**
Date Acquired	**24 Sep 1999 9:28 pm**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.75	913039	15.62 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-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

FIELD ID: **SS#11**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4802 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4802.10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000934.D

Level: (low/med) LOW Date Received: 9/21/99

% Moisture: not dec. _____ Date Analyzed: 9/24/99

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	**VC000932.D**	Sample Name	**4802.08**
Operator	**Skelton**	Field ID	**SS#12**
Date Acquired	**24 Sep 1999 8:08 pm**	Sample Multiplie	**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	
	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	8.87	94921	9.54 ug/L	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	
	cis-1,2-Dichloroethene	15.74	217155	3.67 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-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

10/1/99 10:25 AM

C:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#12**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4802 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4802.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000932.D

Level: (low/med) LOW Date Received: 9/21/99

% Moisture: not dec. _____ Date Analyzed: 9/24/99

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	**VC000946.D**	Sample Name	**4806.10**
Operator	**Skelton**	Field ID	**SS#13**
Date Acquired	**25 Sep 1999 5:30 am**	Sample Multiplie	**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	
	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	
	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-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

FIELD ID: **SS#13**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4806 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4806.10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000946.D

Level: (low/med) LOW Date Received: 9/22/99

% Moisture: not dec. _____ Date Analyzed: 9/25/99

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 **VC000945.D**
Operator **Skelton**
Date Acquired **25 Sep 1999 4:50 am**

Sample Name **4806.09**
Field ID **SS#14**
Sample Multiplie **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	
	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	
	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-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

FIELD ID: **SS#14**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4806 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4806.09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000945.D

Level: (low/med) LOW Date Received: 9/22/99

% Moisture: not dec. _____ Date Analyzed: 9/25/99

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	**VC000935.D**	Sample Name	**4802.11**
Operator	**Skelton**	Field ID	**SS#15**
Date Acquired	**24 Sep 1999 10:09 pm**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.74	205647	3.59 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	20.29	53906	1.37 ug/L	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	25.30	91261	2.61 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-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

FIELD ID: **SS#15**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4802 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4802.11

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000935.D

Level: (low/med) LOW Date Received: 9/21/99

% Moisture: not dec. _____ Date Analyzed: 9/24/99

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	VC000939.D	Sample Name	4806.03
Operator	Skelton	Field ID	SS#16
Date Acquired	25 Sep 1999 12:50 am	Sample Multiplie	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	
	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	
	cis-1,2-Dichloroethene	15.74	151039	2.74 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	25.29	87758	2.63 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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

10/1/99 10:26 AM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#16**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4806 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4806.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000939.D

Level: (low/med) LOW Date Received: 9/22/99

% Moisture: not dec. _____ Date Analyzed: 9/25/99

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	VC000943.D	Sample Name	4806.07
Operator	Skelton	Field ID	SS#17
Date Acquired	25 Sep 1999 3:30 am	Sample Multiplie	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	
	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	
	cis-1,2-Dichloroethene	15.72	55145	1.09 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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

10/1/99 10:27 AM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#17**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4806 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4806.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000943.D

Level: (low/med) LOW Date Received: 9/22/99

% Moisture: not dec. _____ Date Analyzed: 9/25/99

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	**VC000933.D**	Sample Name	**4802.09**
Operator	**Skelton**	Field ID	**SS#18**
Date Acquired	**24 Sep 1999 8:48 pm**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.73	274794	4.67 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-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

10/1/99 10:25 AM

C:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#18**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4802 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4802.09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000933.D

Level: (low/med) LOW Date Received: 9/21/99

% Moisture: not dec. _____ Date Analyzed: 9/24/99

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	VC000931.D	Sample Name	4802.07
Operator	Skelton	Field ID	SS#19
Date Acquired	24 Sep 1999 7:27 pm	Sample Multiplie	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	
	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	
	cis-1,2-Dichloroethene	15.73	211348	3.53 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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

10/1/99 10:26 AM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#19**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4802 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4802.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000931.D

Level: (low/med) LOW Date Received: 9/21/99

% Moisture: not dec. _____ Date Analyzed: 9/24/99

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	**VC000929.D**	Sample Name	**4802.05**
Operator	**Skelton**	Field ID	**SS#20**
Date Acquired	**24 Sep 1999 6:06 pm**	Sample Multiplie	**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	11.84	229047	2.10 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

10/1/99 10:26 AM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#20**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4802 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4802.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000929.D

Level: (low/med) LOW Date Received: 9/21/99

% Moisture: not dec. _____ Date Analyzed: 9/24/99

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	**VC000928.D**	Sample Name	**4802.04**
Operator	**Skelton**	Field ID	**SS#21**
Date Acquired	**24 Sep 1999 5:25 pm**	Sample Multiplie	**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	11.85	249767	2.24 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	cis-1,2-Dichloroethene	15.73	74580	1.17 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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

10/1/99 10:26 AM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#21**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4802 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4802.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000928.D

Level: (low/med) LOW Date Received: 9/21/99

% Moisture: not dec. _____ Date Analyzed: 9/24/99

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	**VC000927.D**	Sample Name	**4802.03**
Operator	**Skelton**	Field ID	**SS#22**
Date Acquired	**24 Sep 1999 4:45 pm**	Sample Multiplie	**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	11.82	93906	0.82 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

10/1/99 10:26 AM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#22**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4802 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4802.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000927.D

Level: (low/med) LOW Date Received: 9/21/99

% Moisture: not dec. _____ Date Analyzed: 9/24/99

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	VC000936.D	Sample Name	4802.12
Operator	Skelton	Field ID	Dupe
Date Acquired	24 Sep 1999 10:49 pm	Sample Multiplie	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	11.85	284403	2.79 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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-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

10/1/99 10:25 AM

C:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4802 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4802.12

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000936.D

Level: (low/med) LOW Date Received: 9/21/99

% Moisture: not dec. _____ Date Analyzed: 9/24/99

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	VC000938.D	Sample Name	4806.02
Operator	Skelton	Field ID	Field Dupe
Date Acquired	25 Sep 1999 12:09 am	Sample Multiplie	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	
	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	
	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-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

10/6/99 9:43 AM

C:\HPCHEM\Custrpt\Volatile\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 4806 Location: 3rdQtr9 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4806.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000938.D

Level: (low/med) LOW Date Received: 9/22/99

% Moisture: not dec. _____ Date Analyzed: 9/25/99

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

WET CHEMISTRY

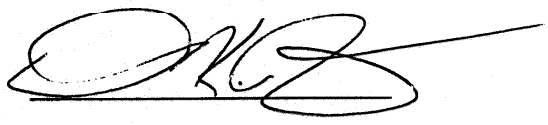
Stream Water Analysis

September 1999

Sample ID	Date Sampled	Stream Site#	Temp °C	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphates (mg/L)	Sulfates (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
4802.03	09/21/99	22	12.7	6.54	0.127	4.2	0.17	1200	6.71	4200	280	19
4802.04	09/21/99	21	12.9	6.56	ND	ND	ND	500	6.89	7600	740	19
4802.05	09/21/99	20	12.8	6.59	ND	1.3	0.34	1000	6.87	>20000	980	18
4802.06	09/21/99	09	12.7	7.35	0.296	0.6	0.45	115	6.91	9600	260	2
4802.07	09/21/99	19	12.6	8.01	0.303	0.2	ND	21	6.98	7200	300	0
4802.08	09/21/99	12	12.7	8.18	0.355	0.1	ND	21	6.91	10400	840	0
4802.09	09/21/99	18	12.8	8.39	0.233	0.5	ND	20	6.90	8500	180	0
4802.10	09/21/99	11	12.5	8.34	0.119	0.6	ND	26	7.03	>20000	1760	0
4802.11	09/21/99	15	12.6	7.34	0.587	ND	ND	41	7.04	9100	600	0
4806.03	09/22/99	16	12.7	7.72	0.786	ND	0.10	41	6.71	1300	600	5
4806.04	09/22/99	07	12.6	6.57	0.796	ND	0.20	875	6.73	8500	2100	8
4806.05	09/22/99	04	12.5	7.28	0.714	ND	ND	120	6.76	10200	1360	1
4806.06	09/22/99	05	12.6	7.55	1.40	ND	ND	120	6.74	6300	1020	2
4806.07	09/22/99	17	12.7	7.38	0.741	ND	ND	110	6.77	7800	1660	1
4806.08	09/22/99	03	12.5	7.29	0.541	ND	ND	57	6.81	2120	1040	0
4806.09	09/22/99	14	12.4	7.32	0.816	ND	ND	40	6.83	1820	820	0
4806.10	09/22/99	13	12.7	1.83	0.823	ND	ND	38	6.71	1420	480	0

mg/L = parts per million
cfu = colony forming units
ND = Not detected

Completed:10/01/99
Reviewed:10/04/99



Daniel K. Wright

Laboratory Director

LTM

	Lab	Methylene Chloride	Tetrachloroethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	2	1
04/08/97	FMETL	2.00	ND
07/17/97	FMETL	ND	ND
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	ND
11/18/98	FMETL	ND	1.09
02/25/99	FMETL	ND	ND
06/29/99	FMETL	ND	ND
09/22/99	FMETL	ND	ND

SOURCE: 3

Sampling Dates:
04/08/97 - 09/22/99

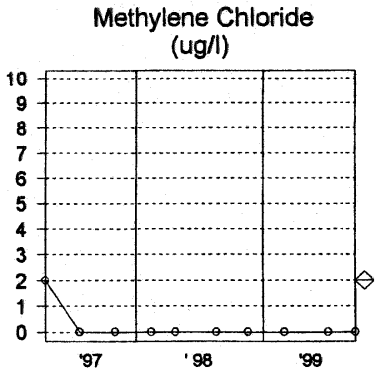
NOTES:

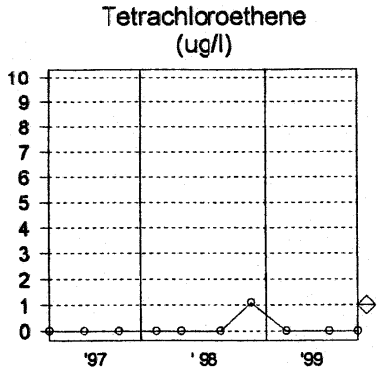
Fort Monmouth

GW Monitoring
Streams

Well 1 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 3

Sampling Dates:
04/08/97 - 09/22/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 1 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw\ ...s.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1
04/08/97	FMETL	2.18	ND	ND
07/17/97	FMETL	1.63	ND	1.61
10/30/97	FMETL	ND	ND	1.24
02/10/98	FMETL	ND	ND	6.61
04/21/98	FMETL	ND	ND	4.42
08/19/98	FMETL	1.92	1.10	2.85
11/17/98	FMETL	1.19	ND	1.62
02/25/99	FMETL	ND	ND	5.61
06/29/99	FMETL	2.41	1.56	5.27
09/22/99	FMETL	2.02	ND	1.85

SOURCE: 4

Sampling Dates:
04/08/97 - 09/22/99

NOTES:

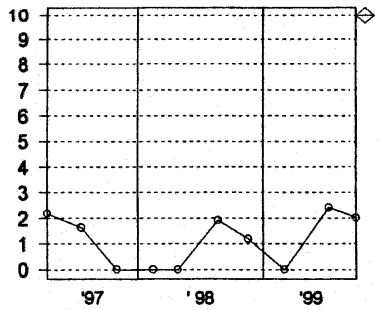
Fort Monmouth

GW Monitoring
Streams

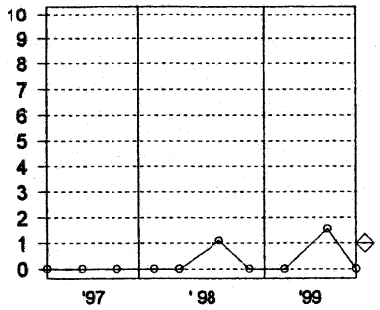
Well 2 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

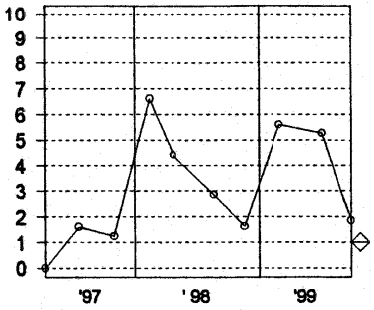
cis-1,2-Dichloroethene (ug/l)



Trichloroethene (ug/l)



Tetrachloroethene (ug/l)



SOURCE: 4

Sampling Dates:
04/08/97 - 09/22/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 2 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw\s[illegible]s.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2	10	1	1
04/08/97	FMETL	1.96	1.80	ND	2.28
07/17/97	FMETL	ND	3.66	ND	3.54
10/30/97	FMETL	ND	1.83	ND	1.70
02/10/98	FMETL	ND	ND	ND	6.34
04/21/98	FMETL	ND	ND	ND	4.48
08/19/98	FMETL	ND	2.28	1.27	3.39
11/17/98	FMETL	ND	1.67	ND	2.17
02/25/99	FMETL	ND	ND	ND	5.45
06/29/99	FMETL	ND	2.74	1.74	6.04
09/22/99	FMETL	ND	1.96	ND	1.82

SOURCE: 5

Sampling Dates:
04/08/97 - 09/22/99

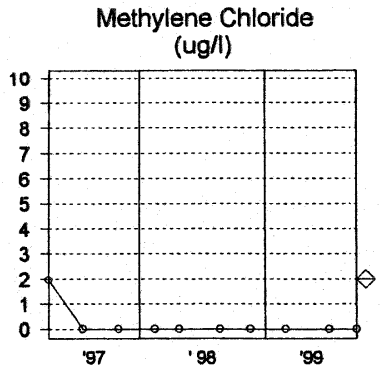
NOTES:

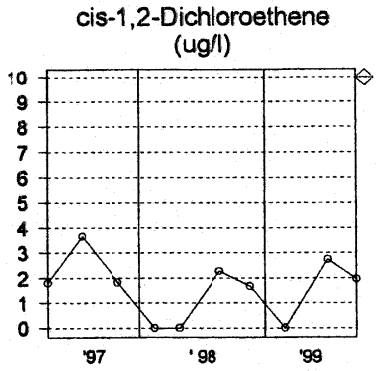
Fort Monmouth

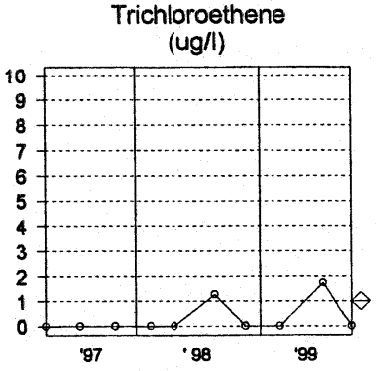
GW Monitoring
Streams

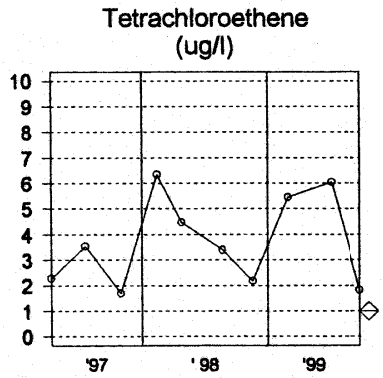
Well 3 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV









SOURCE: 5

Sampling Dates:
04/08/97 - 09/22/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 3 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-08-1999 x:\mtech46\fm\streams\gw\r .wsf

	Lab	cis-1,2-dichloroethene	Tetrachloroethene	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	700	70
04/08/97	FMETL	ND	ND	ND	ND
07/17/97	FMETL	1.14	1.08	ND	ND
10/30/97	FMETL	ND	ND	ND	ND
02/10/98	FMETL	ND	2.04	ND	ND
04/21/98	FMETL	ND	2.40	ND	ND
08/19/98	FMETL	ND	ND	ND	ND
11/17/98	FMETL	ND	ND	ND	ND
02/25/99	FMETL	ND	2.85	ND	ND
06/29/99	FMETL	ND	1.42	2.94	2.00
09/22/99	FMETL	ND	ND	ND	ND

SOURCE: 7

Sampling Dates:
04/08/97 - 09/22/99

NOTES:

Fort Monmouth

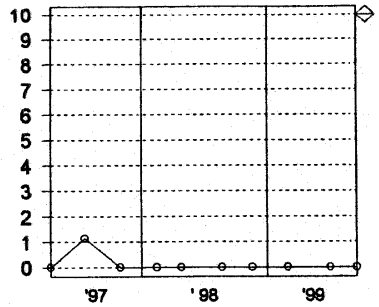
GW Monitoring
Streams

Well 4 of 17

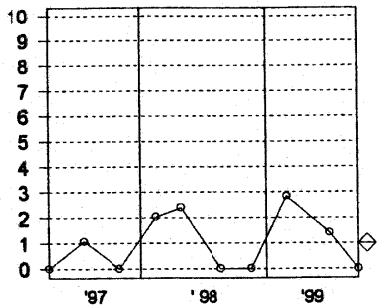
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech48\fm\streams\gw\streams.wsf

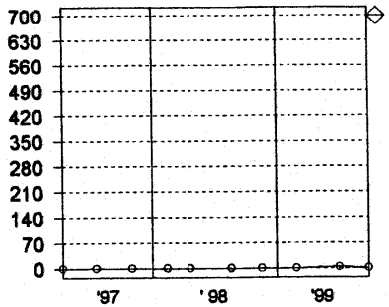
cis-1,2-Dichloroethene
(ug/l)



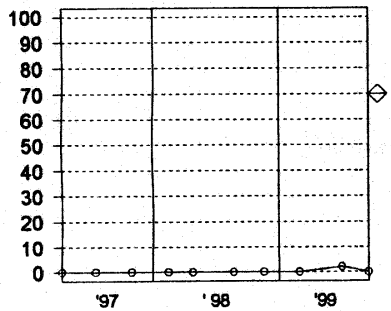
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 7

Sampling Dates:
04/08/97 - 09/22/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 4 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-08-1999 x:\mtech48\fm\streams\gw\r .wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Acetone
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2	10	700
04/08/97	FMETL	1.82	2.78	ND
07/17/97	FMETL	ND	ND	ND
10/30/97	FMETL	ND	2.14	ND
02/10/98	FMETL	ND	6.00	ND
04/21/98	FMETL	ND	4.73	ND
08/19/98	FMETL	ND	1.69	ND
11/17/98	FMETL	ND	ND	ND
02/25/99	FMETL	ND	1.78	ND
06/29/99	FMETL	ND	ND	2.50
09/21/99	FMETL	ND	1.91	ND

SOURCE: 9

Sampling Dates:
04/08/97 - 09/21/99

NOTES:

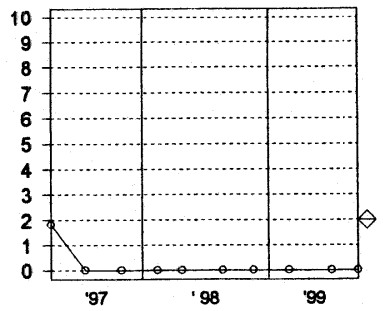
Fort Monmouth

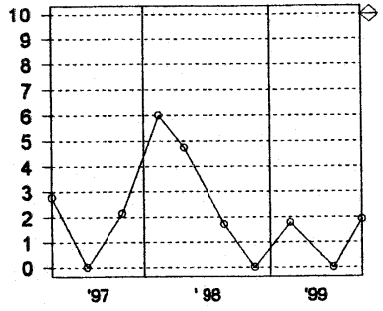
GW Monitoring
Streams

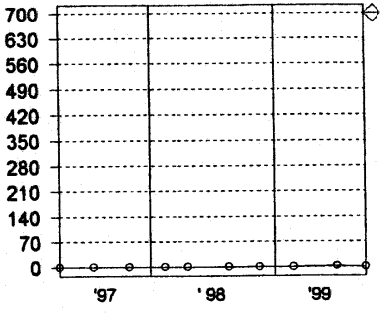
Well 5 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw\streams.ws







SOURCE: 9

Sampling Dates:
04/08/97 - 09/21/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 5 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw' ns.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	10	1
04/08/97	FMETL	18.72	1.58
07/17/97	FMETL	14.13	ND
10/30/97	FMETL	18.23	ND
02/10/98	FMETL	24.71	2.14
04/21/98	FMETL	21.66	1.82
08/19/98	FMETL	11.73	ND
11/18/98	FMETL	8.82	ND
02/25/99	FMETL	9.11	ND
06/29/99	FMETL	5.77	ND
09/21/99	FMETL	15.62	ND

SOURCE: 11

Sampling Dates:
04/08/97 - 09/21/99

NOTES:

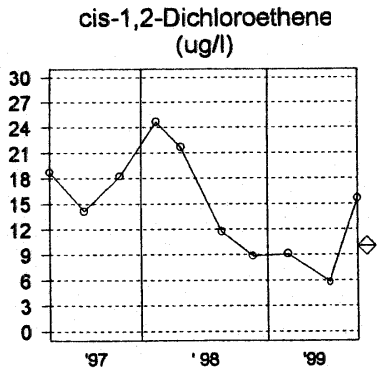
Fort Monmouth

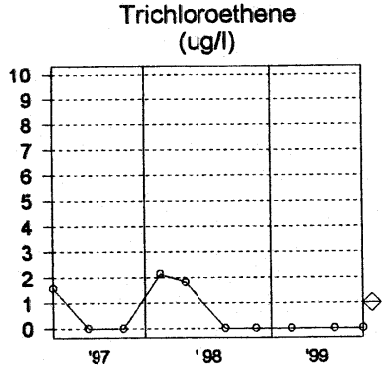
GW Monitoring
Streams

Well 6 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw\streams.wsf





SOURCE: 11

Sampling Dates:
04/08/97 - 09/21/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 6 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\r ms.wsf

	Lab	cis-1,2-di chloro ethene	Acetone
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	10	700
04/08/97	FMETL	6.63	ND
07/17/97	FMETL	ND	ND
10/30/97	FMETL	5.67	ND
02/10/98	FMETL	6.54	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	4.58	ND
11/18/98	FMETL	2.48	ND
02/25/99	FMETL	1.80	ND
06/29/99	FMETL	1.39	ND
09/21/99	FMETL	3.67	9.54

SOURCE: 12

Sampling Dates:
04/08/97 - 09/21/99

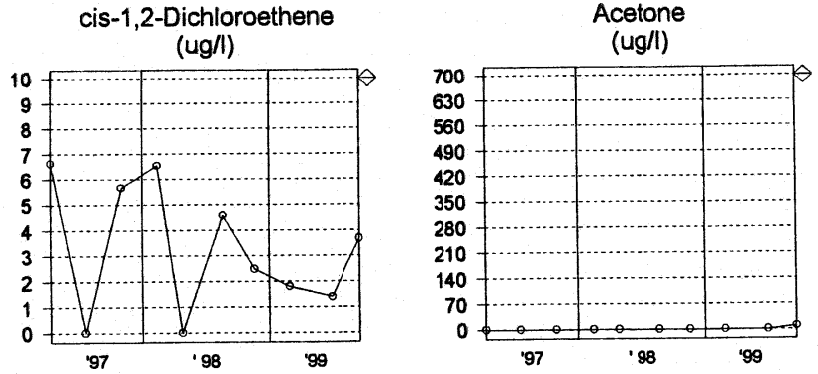
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 7 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 12

Sampling Dates:
04/08/97 - 09/21/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 7 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\[illegible]ms.wsf

	Lab	Methylene Chloride	Acetone
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	2	700
04/08/97	FMETL	1.91	2.81
07/17/97	FMETL	ND	ND
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	ND
11/18/98	FMETL	ND	ND
02/25/99	FMETL	ND	ND
06/29/99	FMETL	ND	ND
09/22/99	FMETL	ND	ND

SOURCE: 13

Sampling Dates:
04/08/97 - 09/22/99

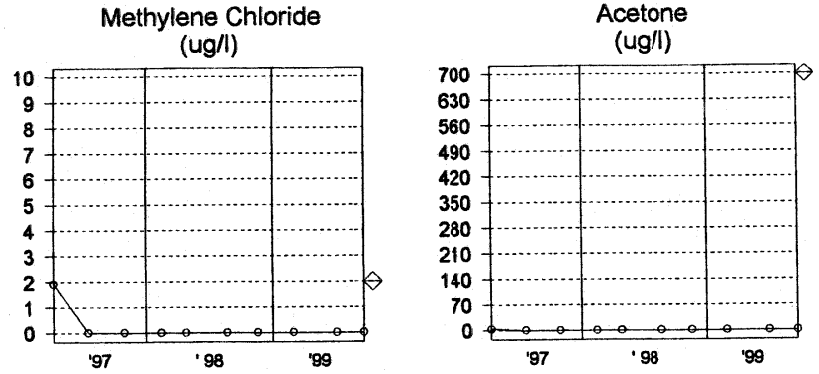
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 8 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 13

Sampling Dates:
04/08/97 - 09/22/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 8 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw\ ms.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Acetone
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	700
04/08/97	FMETL	ND	ND	3.94
07/17/97	FMETL	ND	ND	ND
10/30/97	FMETL	1.59	1.75	ND
02/10/98	FMETL	ND	ND	ND
04/21/98	FMETL	ND	ND	ND
08/19/98	FMETL	ND	ND	ND
11/18/98	FMETL	ND	ND	3.32
02/25/99	FMETL	ND	ND	ND
06/29/99	FMETL	ND	ND	ND
09/22/99	FMETL	ND	ND	ND

SOURCE: 14

Sampling Dates:
04/08/97 - 09/22/99

NOTES:

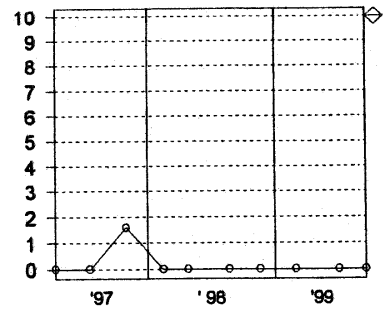
Fort Monmouth

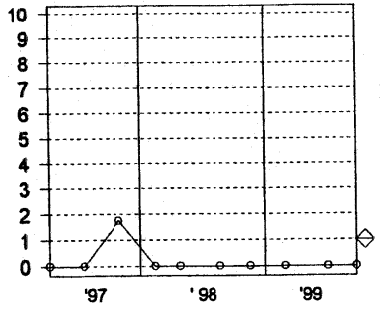
GW Monitoring
Streams

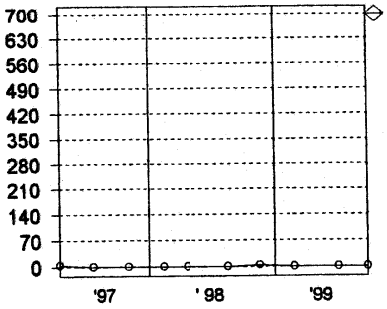
Well 9 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 14

Sampling Dates:
04/08/97 - 09/22/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 9 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw\ ns.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1
04/08/97	FMETL	2.69	1.60	6.00
07/17/97	FMETL	5.53	2.50	7.12
10/30/97	FMETL	2.57	ND	2.72
02/10/98	FMETL	ND	1.03	6.90
04/21/98	FMETL	1.22	1.21	5.72
08/19/98	FMETL	3.89	2.06	5.39
11/18/98	FMETL	ND	ND	ND
02/25/99	FMETL	ND	ND	7.33
06/29/99	FMETL	4.17	2.40	7.86
09/21/99	FMETL	3.59	1.37	2.61

SOURCE: 15

Sampling Dates:
04/08/97 - 09/21/99

NOTES:

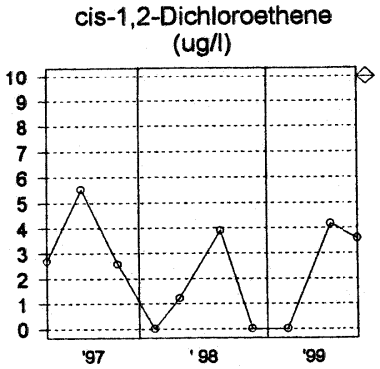
Fort Monmouth

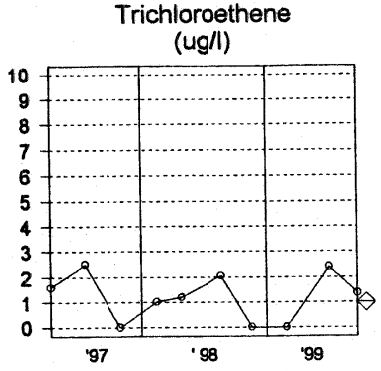
GW Monitoring
Streams

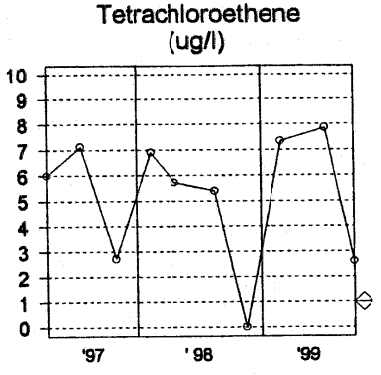
Well 10 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 15

Sampling Dates:
04/08/97 - 09/21/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 10 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw' ns.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1
04/08/97	FMETL	2.05	1.26	4.47
07/17/97	FMETL	2.55	ND	4.72
10/30/97	FMETL	1.76	ND	1.86
02/10/98	FMETL	ND	ND	6.23
04/21/98	FMETL	ND	ND	4.58
08/19/98	FMETL	2.94	1.63	4.33
11/18/98	FMETL	ND	ND	1.48
02/25/99	FMETL	ND	ND	6.06
06/29/99	FMETL	3.56	2.25	7.70
09/22/99	FMETL	2.74	ND	2.63

SOURCE: 16

Sampling Dates:
04/08/97 - 09/22/99

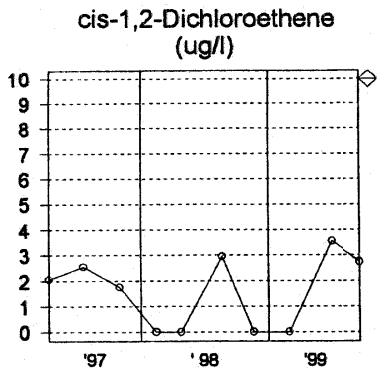
NOTES:

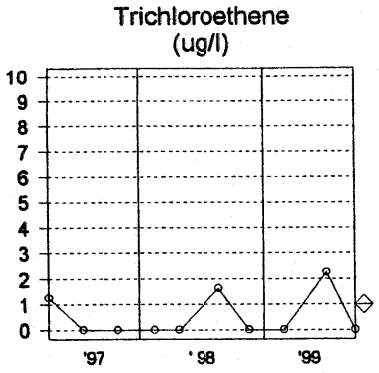
Fort Monmouth

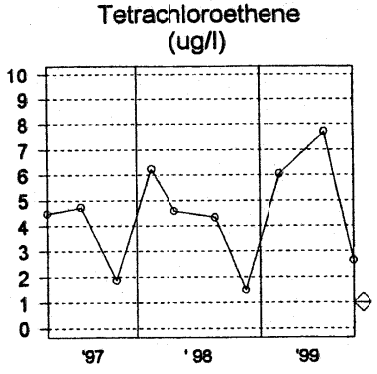
GW Monitoring
Streams

Well 11 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 16

Sampling Dates:
04/08/97 - 09/22/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 11 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw\ ...s.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Chloro benzene
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	10	1	1	700	4
04/08/97	FMETL	ND	ND	ND	1.97	ND
07/17/97	FMETL	ND	ND	ND	ND	ND
10/30/97	FMETL	ND	ND	ND	ND	ND
02/10/98	FMETL	ND	ND	ND	ND	1.59
04/21/98	FMETL	ND	ND	ND	ND	ND
08/19/98	FMETL	ND	ND	ND	ND	ND
11/18/98	FMETL	4.43	2.12	5.09	ND	ND
02/25/99	FMETL	ND	ND	ND	ND	ND
06/29/99	FMETL	ND	ND	ND	ND	ND
09/22/99	FMETL	1.09	ND	ND	ND	ND

SOURCE: 17

Sampling Dates:
04/08/97 - 09/22/99

NOTES:

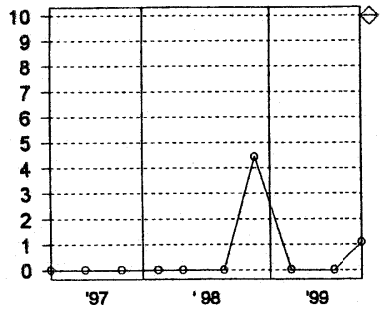
Fort Monmouth

GW Monitoring
Streams

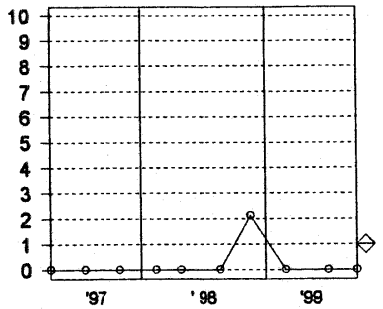
Well 12 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

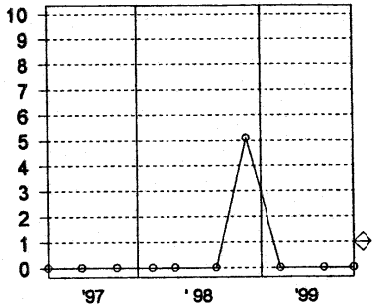
cis-1,2-Dichloroethene
(ug/l)



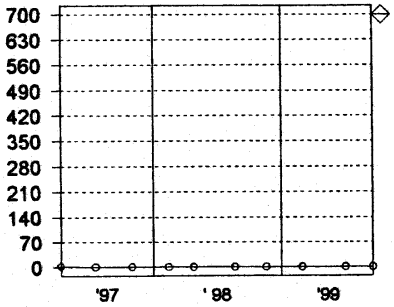
Trichloroethene
(ug/l)



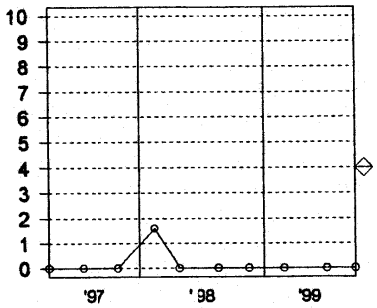
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



Chlorobenzene
(ug/l)



SOURCE: 17

Sampling Dates:
04/08/97 - 09/22/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 12 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gv ns.wsf

	Lab	cis-1,2-dichloroethene
Units:	-	ug/l
NJDEP Criteria:	-	10
04/08/97	FMETL	ND
07/17/97	FMETL	1.06
10/30/97	FMETL	5.87
02/10/98	FMETL	14.36
04/21/98	FMETL	ND
08/19/98	FMETL	4.65
11/18/98	FMETL	3.18
02/25/99	FMETL	3.95
06/29/99	FMETL	1.47
09/21/99	FMETL	4.67

SOURCE: 18

Sampling Dates:
04/08/97 - 09/21/99

NOTES:

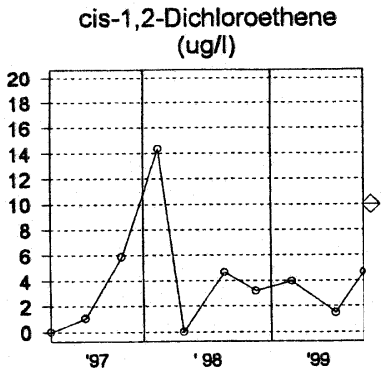
Fort Monmouth

GW Monitoring
Streams

Well 13 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw\streams.wsf



SOURCE: 18

Sampling Dates:
04/08/97 - 09/21/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 13 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw\ .wsf

	Lab	cis-1,2-di chloro ethene
Units:	-	ug/l
NJDEP Criteria:	-	10
04/08/97	FMETL	6.44
07/17/97	FMETL	ND
10/30/97	FMETL	4.69
02/10/98	FMETL	8.22
04/21/98	FMETL	6.86
08/19/98	FMETL	2.95
11/17/98	FMETL	2.3
02/25/99	FMETL	2.30
06/29/99	FMETL	ND
09/21/99	FMETL	3.53

SOURCE: 19

Sampling Dates:
04/08/97 - 09/21/99

NOTES:

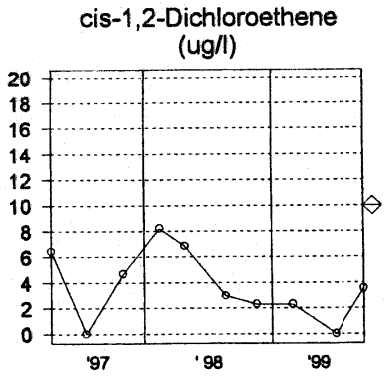
Fort Monmouth

GW Monitoring
Streams

Well 14 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw\streams.wsf



SOURCE: 19

Sampling Dates:
04/08/97 - 09/21/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 14 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\g ms.wsf

	Lab	Ethyl benzene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	700	70
04/08/97	FMETL	2.18	ND
07/17/97	FMETL	ND	2.63
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	4.85
11/17/98	FMETL	ND	ND
02/25/99	FMETL	ND	ND
06/29/99	FMETL	ND	5.70
09/21/99	FMETL	ND	2.10

SOURCE: 20

Sampling Dates:
04/08/97 - 09/21/99

NOTES:

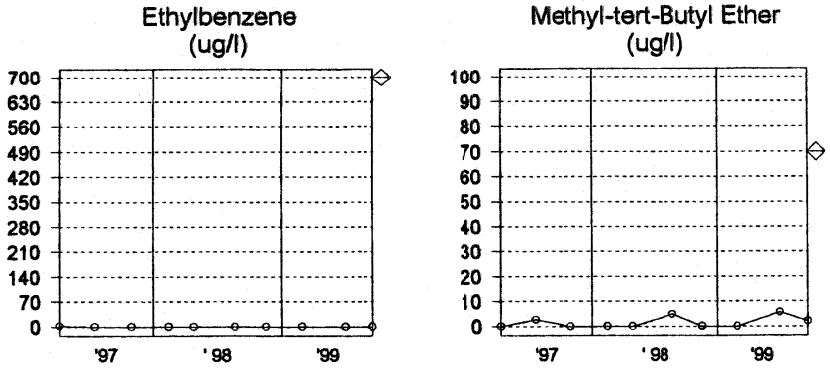
Fort Monmouth

GW Monitoring
Streams

Well 15 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech48\fm\streams\gw\streams.wsf



SOURCE: 20

Sampling Dates:
04/08/97 - 09/21/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 15 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw\r s.wsf

	Lab	cis-1,2-di chloro ethene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	10	70
04/08/97	FMETL	ND	ND
07/17/97	FMETL	ND	2.90
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	4.71
11/17/98	FMETL	ND	ND
02/25/99	FMETL	ND	ND
06/29/99	FMETL	ND	7.40
09/21/99	FMETL	1.17	2.24

SOURCE: 21

Sampling Dates:
04/08/97 - 09/21/99

NOTES:

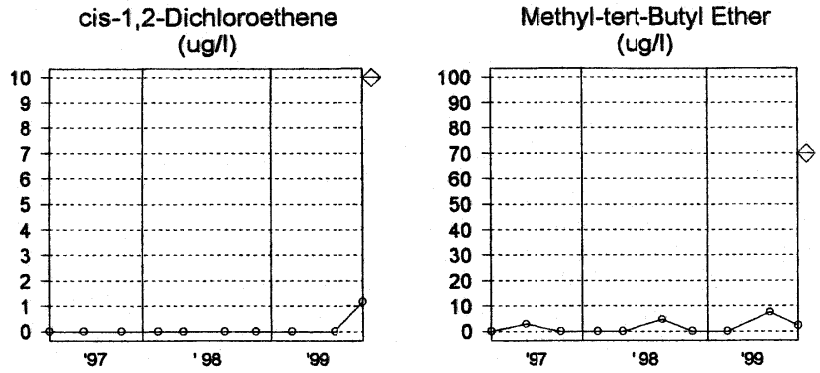
Fort Monmouth

GW Monitoring
Streams

Well 16 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw\streams.wsf



SOURCE: 21

Sampling Dates:
04/08/97 - 09/21/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 16 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\g ...is.wsf

	Lab	Methyl-tert Butyl ether
Units:	-	ug/l
NJDEP Criteria:	-	70
04/08/97	FMETL	ND
07/17/97	FMETL	4.26
10/30/97	FMETL	ND
02/10/98	FMETL	ND
04/21/98	FMETL	ND
08/19/98	FMETL	4.50
11/17/98	FMETL	ND
02/25/99	FMETL	ND
06/29/99	FMETL	8.30
09/21/99	FMETL	0.82

SOURCE: 22

Sampling Dates:
04/08/97 - 09/21/99

NOTES:

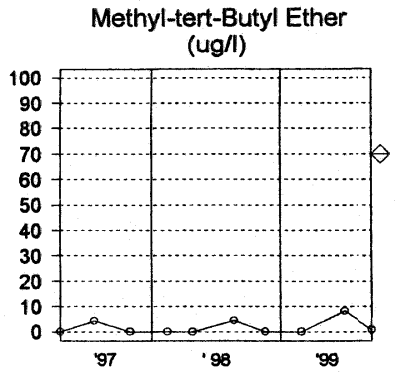
Fort Monmouth

GW Monitoring
Streams

Well 17 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw\streams.wsf



SOURCE: 22

Sampling Dates:
04/08/97 - 09/21/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 17 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-08-1999 x:\mtech46\fm\streams\gw\ .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: 4th Quarter Streams

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Trip Blank	4997.01	Aqueous	08-Dec-99	12/08/99
Field Blank	4997.02	Aqueous	08-Dec-99 08:21	12/08/99
Stream-Site #22	4997.04	Aqueous	08-Dec-99 08:40	12/08/99
Stream-Site #21	4997.05	Aqueous	08-Dec-99 08:48	12/08/99
Stream-Site #20	4997.06	Aqueous	08-Dec-99 08:56	12/08/99
Stream-Site #09	4997.07	Aqueous	08-Dec-99 09:06	12/08/99
Stream-Site #19	4997.08	Aqueous	08-Dec-99 09:15	12/08/99
Stream-Site #07	4997.09	Aqueous	08-Dec-99 09:23	12/08/99
Stream-Site #04	4997.10	Aqueous	08-Dec-99 09:34	12/08/99
Stream-Site #05	4997.11	Aqueous	08-Dec-99 09:47	12/08/99
Stream-Site #16	4997.12	Aqueous	08-Dec-99 09:58	12/08/99
Stream-Site #17	4997.13	Aqueous	08-Dec-99 10:07	12/08/99
Stream-Site #03	4997.14	Aqueous	08-Dec-99 10:19	12/08/99
Stream-Site #14	4997.15	Aqueous	08-Dec-99 10:22	12/08/99
Stream-Site #13	4997.16	Aqueous	08-Dec-99 10:34	12/08/99
Stream-Site #15	4997.17	Aqueous	08-Dec-99 10:41	12/08/99
Stream-Site #11	4997.18	Aqueous	08-Dec-99 10:53	12/08/99
Stream-Site #18	4997.19	Aqueous	08-Dec-99 11:02	12/08/99
Stream-Site #12	4997.20	Aqueous	08-Dec-99 11:15	12/08/99

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

1-28-00

Daniel Wright/Date
Laboratory Director

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:appleby@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. FALLON
Phone #: X216223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 4th Qtr Streams '99

Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA	PO_4 / SO_4	NH_3 / NO_3	Total Cd	pH	Temp	Salinity	% O_2 / mg/l O_2	Remarks / Preservation Method
4997 .01	Trip	12/8/99	0738	AQ	2	✓						—	—	HCL/H_2SO_4/<4°C
.02	Field Blank		0821		3 4	✓	✓	✓	N/A			—	—	Dissolved O_2
.03	Dupe		—		5	✓	✓	✓	✓			—	—	
.04	* stream site # 22		0820		5	✓	✓	✓	✓	6.66	12.8	1.014	19%	6.92
.05	# 21		0848		5	✓	✓	✓	✓	6.69	12.7	1.014	19%	6.87
.06	# 20		0856			✓	✓	✓	✓	6.67	12.6	1.014	19%	6.89
.07	# 09		0906			✓	✓	✓	✓	7.23	12.5	1.001	2%	6.97
.08	# 19		0915			✓	✓	✓	✓	7.29	12.5	1.000	0%	6.99
.09	# 07		0923			✓	✓	✓	✓	6.65	12.5	1.007	6%	6.87
.10	# 04		0934			✓	✓	✓	✓	7.30	12.5	1.002	1%	6.89
.11	# 05		0947			✓	✓	✓	✓	7.25	12.5	1.003	1%	6.93
.12	# 16		0958			✓	✓	✓	✓	7.35	12.4	1.005	4%	6.85
.13	# 17		1007			✓	✓	✓	✓	7.31	12.3	1.002	1%	6.97
.14	# 03		1019			✓	✓	✓	✓	7.27	12.4	1.000	0%	6.94

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	12/8/99 1130				
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
Turnaround time: (X)Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: Tide: H → outgoing
Site # 09 where stream was occurring. cpm

print legibly

Coc.xls9/29/99

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: X26223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 4th Qtr Streams '99

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VOA; PO_4/SO_4; NH_3/NO_3; Total Coli.; pH; Temp; Salinity; % DO 20/20

Comments: HCL/H_2SO_4/4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA	PO_4/SO_4	NH_3/NO_3	Total Coli.	pH	Temp	Salinity	% DO 20/20	Remarks / Preservation Method
4997.15	Stream site #14	12/8/99	1022	AQ	5	✓	✓	✓	✓	7.24	12.3	1.000	0%	6.93
.16	#13		1034		5	✓	✓	✓	✓	7.40	12.3	1.000	0%	6.80
.17	#15		1041		5	✓	✓	✓	✓	7.29	12.3	1.000	0%	7.03
.18	#11		1053			✓	✓	✓	✓	7.45	12.2	1.000	0%	7.04
.19	#18		1102			✓	✓	✓	✓	7.43	12.4	1.000	0%	7.03
.20	#12		1115			✓	✓	✓	✓	7.41	12.3	1.000	0%	7.05

Relinquished by (signature)	Date/Time	Received by (signature)	Relinquished by (signature)	Date/Time	Received by (signature)
Corey McCormack	12/8/99 1130				

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: (X)Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:
Tide: H->O

print legibly

VOLATILES

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL	: Method Detection Limit
J	: Compound identified below detection limit
B	: Compound in both sample and blank
D	: Results from dilution of sample
U	: Compound searched for but not detected
E	: Compound exceeds calibration limit

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC001540.D**	Sample Name	**Vblk41**
Operator	**Skelton**	Field ID	**Vblk41**
Date Acquired	**13 Dec 1999 5:42 pm**	Sample Multiplie	**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	
	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	
	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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1/3/00 3:03 PM

C:\HPCHEM\Custrpt\Volatile\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC001540.D	Sample Name	Vblk41
Operator	Skelton	Field ID	Vblk41
Date Acquired	13 Dec 1999 5:42 pm	Sample Multiplie	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	
	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	
	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-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

1/3/00 3:04 PM

C:\HPCHEM\Custrpt\Volatile\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB005103.D**	Sample Name	**Vblk155**
Operator	**Skelton**	Field ID	**Vblk155**
Date Acquired	**11 Dec 1999 9:47 am**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* 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

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB005103.D	Sample Name	Vblk155
Operator	Skelton	Field ID	Vblk155
Date Acquired	11 Dec 1999 9:47 am	Sample Multiplie	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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 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

1/3/00 3:13 PM

C:\HPCHEM\CUSTRPT\STREAMS\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB005120.D**	Sample Name	**4997.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**11 Dec 1999 9:26 pm**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB005120.D**	Sample Name	**4997.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**11 Dec 1999 9:26 pm**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 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

1/3/00 3:13 PM

C:\HPCHEM\CUSTRPT\STREAMS\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB005121.D**	Sample Name	**4997.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**11 Dec 1999 10:06 pm**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1/3/00 3:12 PM

C:\Hpchem\Custrpt\streams\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB005121.D**	Sample Name	**4997.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**11 Dec 1999 10:06 pm**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-9[illegible]

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1/3/00 3:13 PM

C:\HPCHEM\CUSTRPT\STREAMS\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB005122.D**	Sample Name	**4997.03**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**11 Dec 1999 10:46 pm**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	9.16	183389	33.40 ug/L	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97.

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1/3/00 3:13 PM

C:\Hpchem\Custrpt\streams\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB005122.D**	Sample Name	**4997.03**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**11 Dec 1999 10:46 pm**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	9.16	183389	33.40 ug/L	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

1/3/00 3:13 PM

C:\HPCHEM\CUSTRPT\STREAMS\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB005123.D**	Sample Name	**4997.04**
Operator	**Skelton**	Field ID	**StreamSite #22**
Date Acquired	**11 Dec 1999 11:25 pm**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	9.15	178760	32.77 ug/L	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97.

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB005124.D**	Sample Name	**4997.05**
Operator	**Skelton**	Field ID	**StreamSite #21**
Date Acquired	**12 Dec 1999 12:05 am**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	9.15	147682	27.52 ug/L	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97.

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1/3/00 3:13 PM

C:\Hpchem\Custrpt\streams\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC001541.D	Sample Name	4997.06
Operator	Skelton	Field ID	StreamSite#20
Date Acquired	13 Dec 1999 6:22 pm	Sample Multiplie	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	
	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	
	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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1/3/00 3:03 PM

C:\HPCHEM\Custrpt\Volatile\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC001542.D**	Sample Name	**4997.07**
Operator	**Skelton**	Field ID	**StreamSite#09**
Date Acquired	**13 Dec 1999 7:01 pm**	Sample Multiplie	**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	
	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	8.87	84475	25.08 ug/L	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	
	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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1/3/00 3:03 PM

C:\HPCHEM\Custrpt\Volatile\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC001543.D**	Sample Name	**4997.08**
Operator	**Skelton**	Field ID	**StreamSite#19**
Date Acquired	**13 Dec 1999 7:41 pm**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.75	80915	2.60 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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1/3/00 3:03 PM

C:\HPCHEM\Custrpt\Volatile\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC001544.D	Sample Name	4997.09
Operator	Skelton	Field ID	StreamSite#07
Date Acquired	13 Dec 1999 8:21 pm	Sample Multiplie	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	
	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	
	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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1/3/00 3:03 PM

C:\HPCHEM\Custrpt\Volatile\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC001545.D	Sample Name	4997.10
Operator	Skelton	Field ID	StreamSite#04
Date Acquired	13 Dec 1999 9:01 pm	Sample Multiplie	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	
	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	
	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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1/3/00 3:03 PM

C:\HPCHEM\Custrpt\Volatile\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC001546.D	Sample Name	4997.11
Operator	Skelton	Field ID	StreamSite#05
Date Acquired	13 Dec 1999 9:41 pm	Sample Multiplie	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	
	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	
	cis-1,2-Dichloroethene	15.74	50012	1.60 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	25.29	93521	3.82 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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1/4/00 11:11 AM

C:\HPCHEM\Custrpt\Volatile\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC001547.D**	Sample Name	**4997.12**
Operator	**Skelton**	Field ID	**StreamSite#16**
Date Acquired	**13 Dec 1999 10:20 pm**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.75	53751	1.79 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	25.29	98836	4.13 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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1/3/00 3:03 PM

C:\HPCHEM\Custrpt\Volatile\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC001548.D**	Sample Name	**4997.13**
Operator	**Skelton**	Field ID	**StreamSite#17**
Date Acquired	**13 Dec 1999 11:00 pm**	Sample Multiplie	**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	
	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	
	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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1/3/00 3:03 PM

C:\HPCHEM\Custrpt\Volatile\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC001549.D**	Sample Name	**4997.14**
Operator	**Skelton**	Field ID	**StreamSite#03**
Date Acquired	**13 Dec 1999 11:40 pm**	Sample Multiplie	**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	
	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	
	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-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

1/3/00 3:04 PM

C:\HPCHEM\Custrpt\Volatile\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC001550.D**	Sample Name	**4997.15**
Operator	**Skelton**	Field ID	**StreamSite#14**
Date Acquired	**14 Dec 1999 12:19 am**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.75	338822	11.26 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-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

1/3/00 3:04 PM

C:\HPCHEM\Custrpt\Volatile\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC001551.D**	Sample Name	**4997.16**
Operator	**Skelton**	Field ID	**StreamSite#13**
Date Acquired	**14 Dec 1999 12:59 am**	Sample Multiplie	**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	11.85	96103	1.80 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	25.29	95065	3.94 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-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

1/3/00 3:04 PM

C:\HPCHEM\Custrpt\Volatile\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC001552.D	Sample Name	4997.17
Operator	Skelton	Field ID	StreamSite#15
Date Acquired	14 Dec 1999 1:39 am	Sample Multiplie	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	
	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	
	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	25.29	96087	4.08 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-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

1/3/00 3:04 PM

C:\HPCHEM\Custrpt\Volatile\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC001553.D**	Sample Name	**4997.18**
Operator	**Skelton**	Field ID	**StreamSite#11**
Date Acquired	**14 Dec 1999 2:19 am**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.75	347289	11.90 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-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

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC001554.D	Sample Name	4997.19
Operator	Skelton	Field ID	StreamSite#18
Date Acquired	14 Dec 1999 2:58 am	Sample Multiplie	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	
	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	
	cis-1,2-Dichloroethene	15.75	146136	4.90 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-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

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC001555.D**	Sample Name	**4997.20**
Operator	**Skelton**	Field ID	**StreamSite#12**
Date Acquired	**14 Dec 1999 3:38 am**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.74	84452	2.74 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-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

WET CHEMISTRY

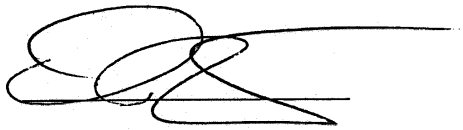
Stream Water Analysis

December 1999

Sample ID	Date Sampled	Stream Site#	Temp °C	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphates (mg/L)	Sulfates (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
4997.04	12/08/99	22	12.8	6.66	ND	0.2	ND	1900	6.92	360	ND	19
4997.05	12/08/99	21	12.7	6.69	0.200	ND	ND	1700	6.87	480	ND	19
4997.06	12/08/99	20	12.6	6.67	ND	ND	ND	1700	6.89	640	40	19
4997.07	12/08/99	09	12.5	7.23	ND	0.3	ND	1750	6.97	580	40	2
4997.08	12/08/99	19	12.5	7.29	ND	0.2	ND	23	6.99	7800	840	0
4997.09	12/08/99	07	12.5	6.65	0.437	ND	ND	950	6.87	820	40	6
4997.10	12/08/99	04	12.5	7.30	0.444	ND	ND	140	6.89	1240	260	1
4997.11	12/08/99	05	12.5	7.25	0.202	0.6	ND	29	6.93	960	100	1
4997.12	12/08/99	16	12.4	7.35	0.232	0.3	ND	29	6.85	1020	100	4
4997.13	12/08/99	17	12.3	7.31	0.270	0.3	ND	42	6.97	1660	240	1
4997.14	12/08/99	03	12.4	7.27	0.265	0.2	ND	46	6.94	1760	140	0
4997.15	12/08/99	14	12.3	7.24	ND	1.7	ND	24	6.93	1460	380	0
4997.16	12/08/99	13	12.3	7.40	1.93	0.3	ND	28	6.80	1020	240	0
4997.17	12/08/99	15	12.3	7.29	2.00	0.4	ND	27	7.03	1400	120	0
4997.18	12/08/99	11	12.2	7.45	ND	1.8	ND	24	7.04	1620	220	0
4997.19	12/08/99	18	12.4	7.43	ND	1.0	ND	23	7.03	2180	700	0
4997.20	12/08/99	12	12.3	7.41	0.102	0.6	ND	25	7.05	5300	880	0

mg/L = parts per million
cfu = colony forming units
ND = Not detected

Completed:12/9/99
Reviewed: 12/9/99



Daniel K. Wright

Laboratory Director

LTM

	Lab	Methylene Chloride	Tetrachloroethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	2.49	0.388
04/08/97	FMETL	2.00	ND
07/17/97	FMETL	ND	ND
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	ND
11/18/98	FMETL	ND	1.09
02/25/99	FMETL	ND	ND
06/29/99	FMETL	ND	ND
09/22/99	FMETL	ND	ND
12/09/99	FMETL	ND	ND

SOURCE: 3

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

Stream 3 is Fresh-Water.
MeCl limit is 2.49 ug/L.
PCE limit is 0.388 ug/L.

PAGE 1 OF 1

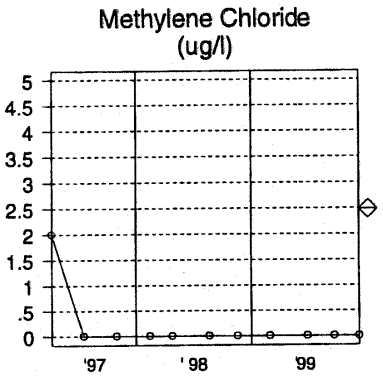
Fort Monmouth

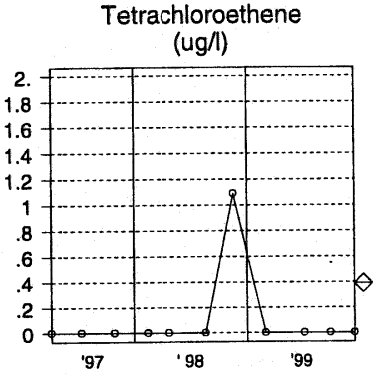
GW Monitoring
Streams

Well 1 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\streams\gw\streams.wsf





SOURCE: 3

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 1 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\stream treams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	-	1.09
04/08/97	FMETL	18.72	1.58
07/17/97	FMETL	14.13	ND
10/30/97	FMETL	18.23	ND
02/10/98	FMETL	24.71	2.14
04/21/98	FMETL	21.66	1.82
08/19/98	FMETL	11.73	ND
11/18/98	FMETL	8.82	ND
02/25/99	FMETL	9.11	ND
06/29/99	FMETL	5.77	ND
09/21/99	FMETL	15.62	ND
12/09/99	FMETL	11.90	ND

SOURCE: 11

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

PAGE 1 OF1

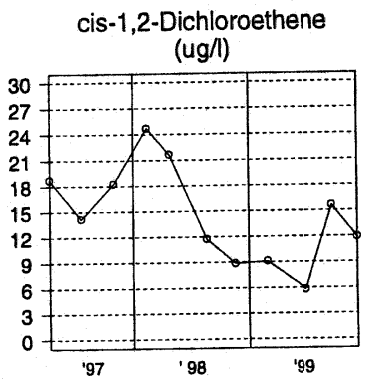
Fort Monmouth

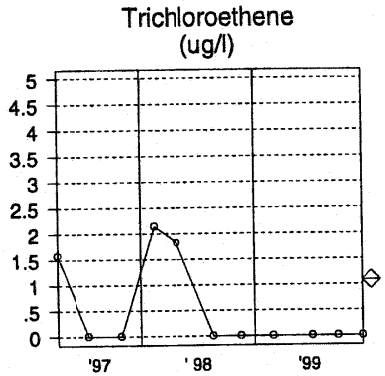
GW Monitoring
Streams

Well 6 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\streams\gw\streams.wsf





SOURCE: 11

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 6 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\stream[illegible]treams.wsf

	Lab	cis-1,2-di chloro ethene	Acetone
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	-	-
04/08/97	FMETL	6.63	ND
07/17/97	FMETL	ND	ND
10/30/97	FMETL	5.67	ND
02/10/98	FMETL	6.54	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	4.58	ND
11/18/98	FMETL	2.48	ND
02/25/99	FMETL	1.80	ND
06/29/99	FMETL	1.39	ND
09/21/99	FMETL	3.67	9.54
12/09/99	FMETL	2.74	ND

SOURCE: 12

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

PAGE 1 OF 1

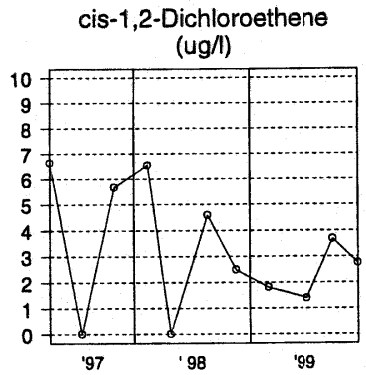
Fort Monmouth

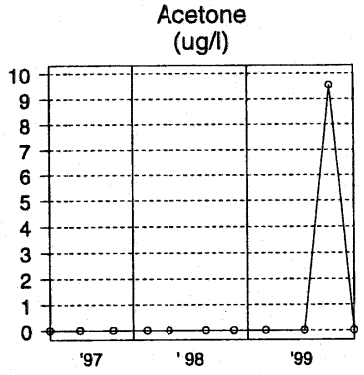
GW Monitoring
Streams

Well 7 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\streams\gw\streams.wsf





SOURCE: 12

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 7 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\stream[illegible]ams.wsf

	Lab	Methylene Chloride	Tetrachloroethene	Acetone
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	1	-
04/08/97	FMETL	1.91	ND	2.81
07/17/97	FMETL	ND	ND	ND
10/30/97	FMETL	ND	ND	ND
02/10/98	FMETL	ND	ND	ND
04/21/98	FMETL	ND	ND	ND
08/19/98	FMETL	ND	ND	ND
11/18/98	FMETL	ND	ND	ND
02/25/99	FMETL	ND	ND	ND
06/29/99	FMETL	ND	ND	ND
09/22/99	FMETL	ND	ND	ND
12/09/99	FMETL	ND	3.94	ND

SOURCE: 13

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

PAGE 1 OF 1

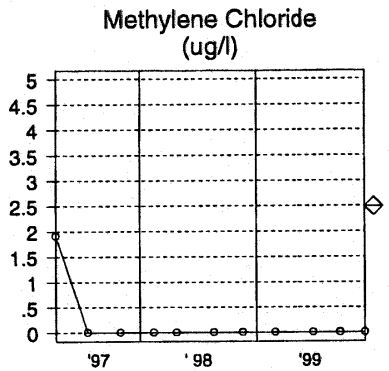
Fort Monmouth

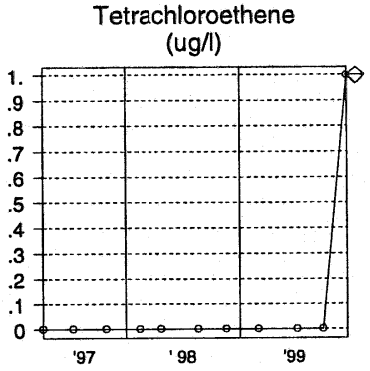
GW Monitoring
Streams

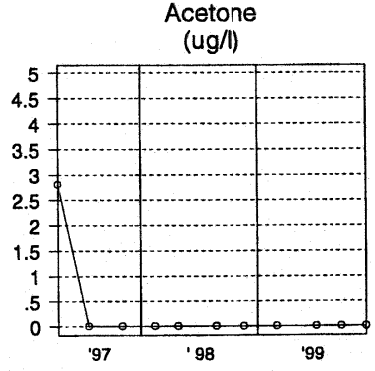
Well 8 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 13

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 8 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\strea streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Acetone
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	-
04/08/97	FMETL	ND	ND	3.94
07/17/97	FMETL	ND	ND	ND
10/30/97	FMETL	1.59	1.75	ND
02/10/98	FMETL	ND	ND	ND
04/21/98	FMETL	ND	ND	ND
08/19/98	FMETL	ND	ND	ND
11/18/98	FMETL	ND	ND	3.32
02/25/99	FMETL	ND	ND	ND
06/29/99	FMETL	ND	ND	ND
09/22/99	FMETL	ND	ND	ND
12/09/99	FMETL	11.26	ND	ND

SOURCE: 14

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

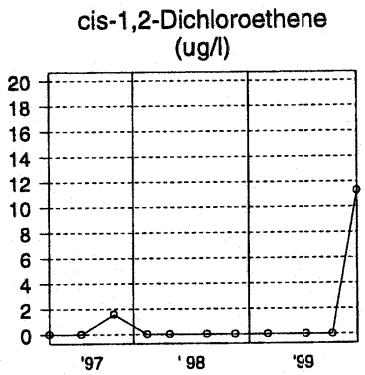
PAGE 1 OF 1

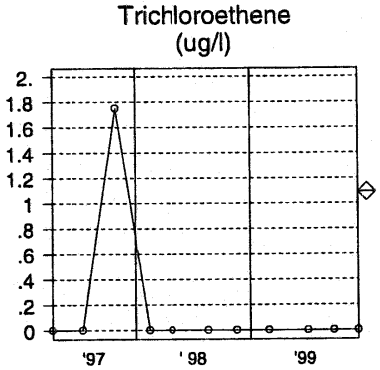
Fort Monmouth

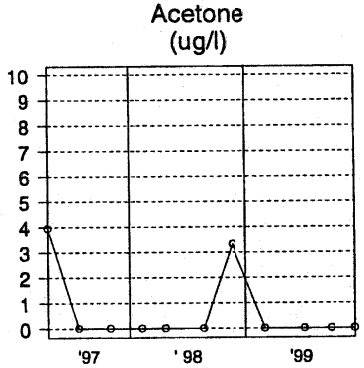
GW Monitoring
Streams

Well 9 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 14

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 9 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\stream treams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	1
04/08/97	FMETL	2.69	1.60	6.00
07/17/97	FMETL	5.53	2.50	7.12
10/30/97	FMETL	2.57	ND	2.72
02/10/98	FMETL	ND	1.03	6.90
04/21/98	FMETL	1.22	1.21	5.72
08/19/98	FMETL	3.89	2.06	5.39
11/18/98	FMETL	ND	ND	ND
02/25/99	FMETL	ND	ND	7.33
06/29/99	FMETL	4.17	2.40	7.86
09/21/99	FMETL	3.59	1.37	2.61
12/09/99	FMETL	ND	ND	4.08

SOURCE: 15

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

PAGE 1 OF 1

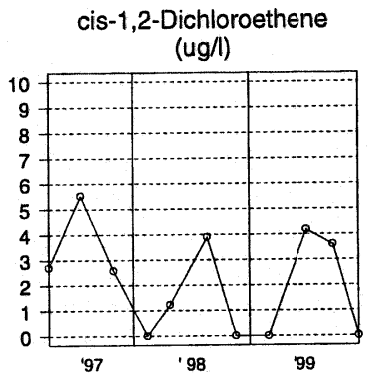
Fort Monmouth

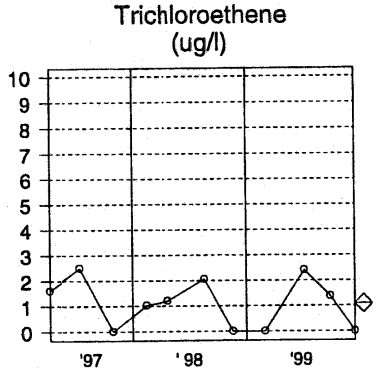
GW Monitoring
Streams

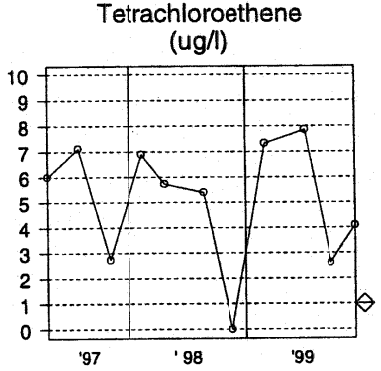
Well 10 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 15

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 10 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\strea streams.wsf

	Lab	cis-1,2-dichloroethene
Units:	-	ug/l
NJDEP Criteria:	-	-
04/08/97	FMETL	ND
07/17/97	FMETL	1.06
10/30/97	FMETL	5.87
02/10/98	FMETL	14.36
04/21/98	FMETL	ND
08/19/98	FMETL	4.65
11/18/98	FMETL	3.18
02/25/99	FMETL	3.95
06/29/99	FMETL	1.47
09/21/99	FMETL	4.67
12/09/99	FMETL	4.90

SOURCE: 18

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

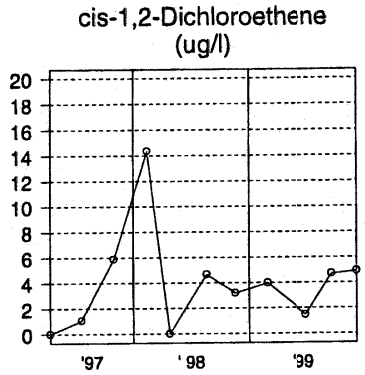
PAGE 1 OF 1

Fort Monmouth

GW Monitoring
Streams

Well 13 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 18

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 13 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\strear streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29
04/08/97	FMETL	2.18	ND	ND
07/17/97	FMETL	1.63	ND	1.61
10/30/97	FMETL	ND	ND	1.24
02/10/98	FMETL	ND	ND	6.61
04/21/98	FMETL	ND	ND	4.42
08/19/98	FMETL	1.92	1.10	2.85
11/17/98	FMETL	1.19	ND	1.62
02/25/99	FMETL	ND	ND	5.61
06/29/99	FMETL	2.41	1.56	5.27
09/22/99	FMETL	2.02	ND	1.85
12/09/99	FMETL	ND	ND	ND

SOURCE: 4

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

PAGE 1 OF 1

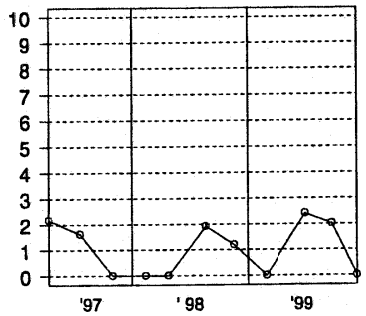
Fort Monmouth

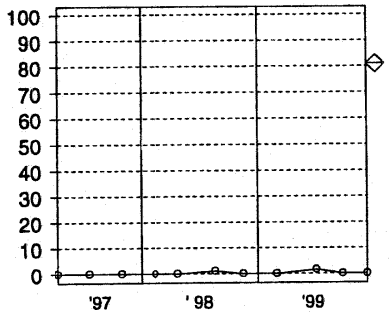
GW Monitoring
Streams

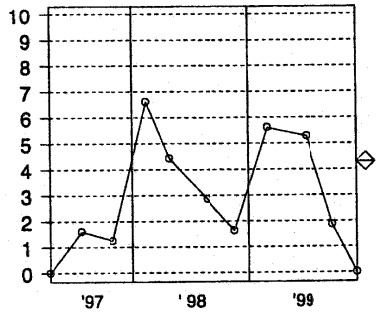
Well 2 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 4

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 2 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\str v\streams.ws

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methylene Chloride
Units:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	1600
04/08/97	FMETL	1.80	ND	2.28	1.96
07/17/97	FMETL	3.66	ND	3.54	ND
10/30/97	FMETL	1.83	ND	1.70	ND
02/10/98	FMETL	ND	ND	6.34	ND
04/21/98	FMETL	ND	ND	4.48	ND
08/19/98	FMETL	2.28	1.27	3.39	ND
11/17/98	FMETL	1.67	ND	2.17	ND
02/25/99	FMETL	ND	ND	5.45	ND
06/29/99	FMETL	2.74	1.74	6.04	ND
09/22/99	FMETL	1.96	ND	1.82	ND
12/09/99	FMETL	1.60	ND	3.82	ND

SOURCE: 5

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

PAGE 1 OF 1

Fort Monmouth

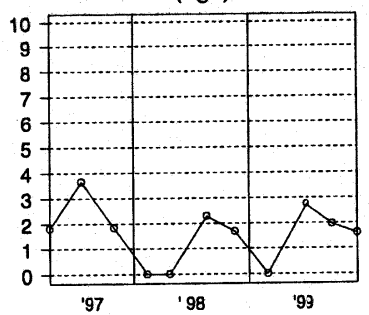
GW Monitoring
Streams

Well 3 of 17

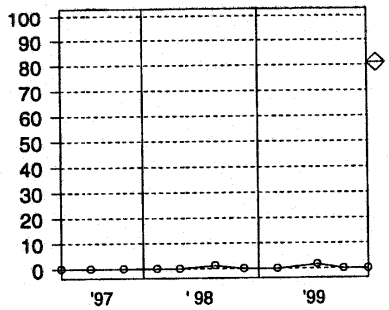
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\streams\gw\streams.wsf

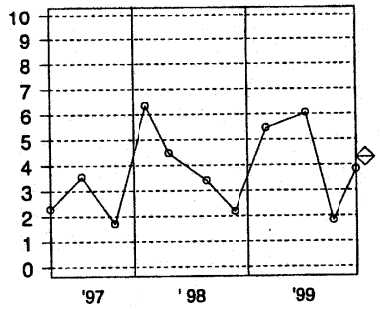
cis-1,2-Dichloroethene (ug/l)



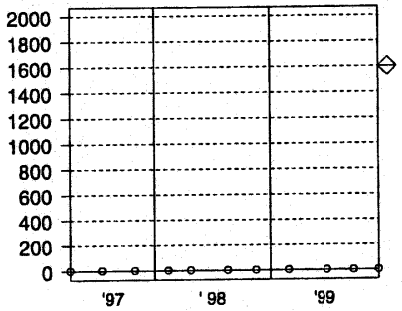
Trichloroethene (ug/l)



Tetrachloroethene (ug/l)



Methylene Chloride (ug/l)



SOURCE: 5

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 3 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\vntech46\fm\streams\ reams.wsf

	Lab	cis-1,2-dichloroethene	Tetrachloroethene	Acetone	Methylene Chloride
Units:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	4.29	-	1600
04/08/97	FMETL	ND	ND	ND	ND
07/17/97	FMETL	1.14	1.08	ND	ND
10/30/97	FMETL	ND	ND	ND	ND
02/10/98	FMETL	ND	2.04	ND	ND
04/21/98	FMETL	ND	2.40	ND	ND
08/19/98	FMETL	ND	ND	ND	ND
11/17/98	FMETL	ND	ND	ND	ND
02/25/99	FMETL	ND	2.85	ND	ND
06/29/99	FMETL	ND	1.42	2.94	ND
09/22/99	FMETL	ND	ND	ND	ND
12/09/99	FMETL	ND	ND	ND	ND

SOURCE: 7

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

PAGE 1 OF 1

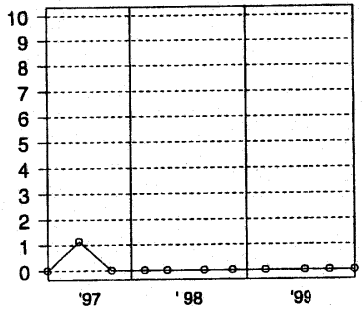
Fort Monmouth

GW Monitoring
Streams

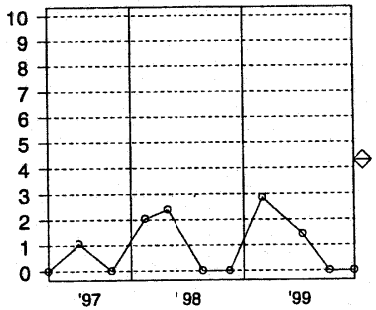
Well 4 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

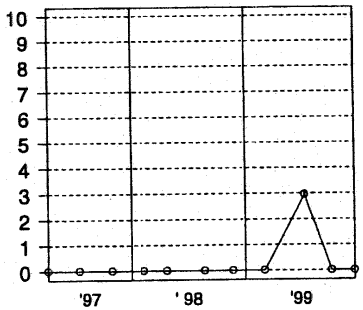
cis-1,2-Dichloroethene
(ug/l)



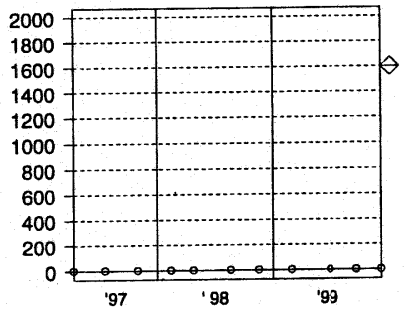
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



Methylene Chloride
(ug/l)



SOURCE: 7

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 4 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\stream reams.wsf

	Lab	Methylene Chloride	cis-1,2-ci chloro ethene	Acetone
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	1600	-	-
04/08/97	FMETL	1.82	2.78	ND
07/17/97	FMETL	ND	ND	ND
10/30/97	FMETL	ND	2.14	ND
02/10/98	FMETL	ND	6.00	ND
04/21/98	FMETL	ND	4.73	ND
08/19/98	FMETL	ND	1.69	ND
11/17/98	FMETL	ND	ND	ND
02/25/99	FMETL	ND	1.78	ND
06/29/99	FMETL	ND	ND	2.50
09/21/99	FMETL	ND	1.91	ND
12/09/99	FMETL	ND	ND	25.08

SOURCE: 9

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

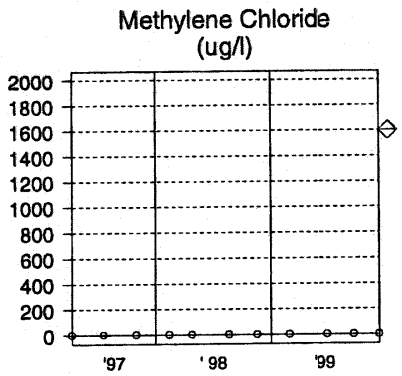
PAGE 1 OF 1

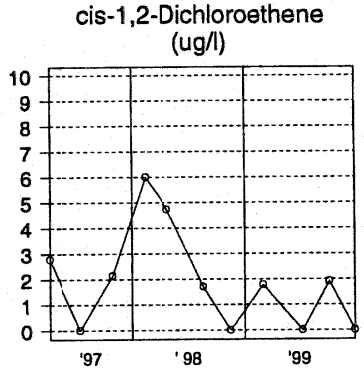
Fort Monmouth

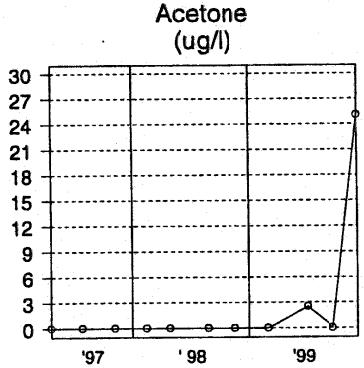
GW Monitoring
Streams

Well 5 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 9

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 5 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\vmtech46\fm\strea streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29
04/08/97	FMETL	2.05	1.26	4.47
07/17/97	FMETL	2.55	ND	4.72
10/30/97	FMETL	1.76	ND	1.86
02/10/98	FMETL	ND	ND	6.23
04/21/98	FMETL	ND	ND	4.58
08/19/98	FMETL	2.94	1.63	4.33
11/18/98	FMETL	ND	ND	1.48
02/25/99	FMETL	ND	ND	6.06
06/29/99	FMETL	3.56	2.25	7.70
09/22/99	FMETL	2.74	ND	2.63
12/09/99	FMETL	1.79	ND	4.13

SOURCE: 16

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

PAGE 1 OF 1

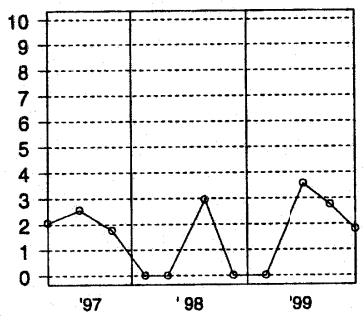
Fort Monmouth

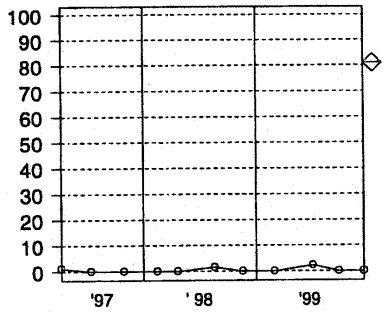
GW Monitoring
Streams

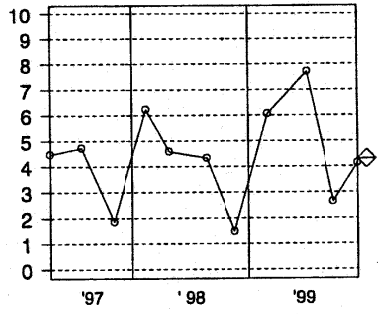
Well 11 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 16

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 11 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\strea streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Chloro benzene
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	-	21000
04/08/97	FMETL	ND	ND	ND	1.97	ND
07/17/97	FMETL	ND	ND	ND	ND	ND
10/30/97	FMETL	ND	ND	ND	ND	ND
02/10/98	FMETL	ND	ND	ND	ND	1.59
04/21/98	FMETL	ND	ND	ND	ND	ND
08/19/98	FMETL	ND	ND	ND	ND	ND
11/18/98	FMETL	4.43	2.12	5.09	ND	ND
02/25/99	FMETL	ND	ND	ND	ND	ND
06/29/99	FMETL	ND	ND	ND	ND	ND
09/22/99	FMETL	1.09	ND	ND	ND	ND
12/09/99	FMETL	ND	ND	ND	ND	ND

SOURCE: 17

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

PAGE 1 OF 1

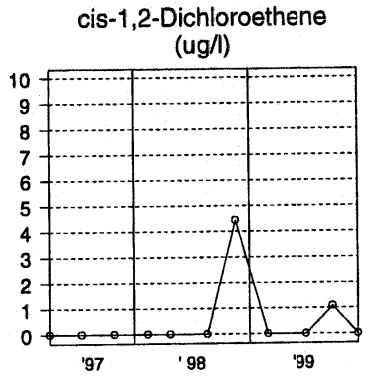
Fort Monmouth

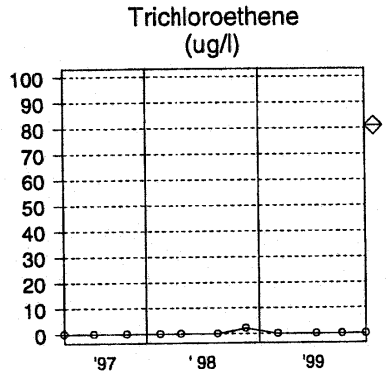
GW Monitoring
Streams

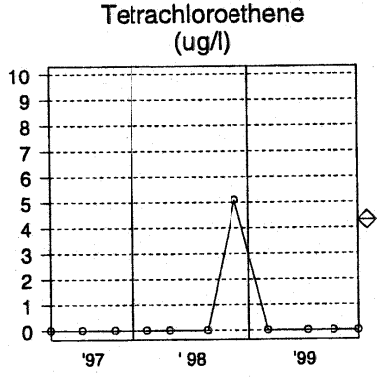
Well 12 of 17

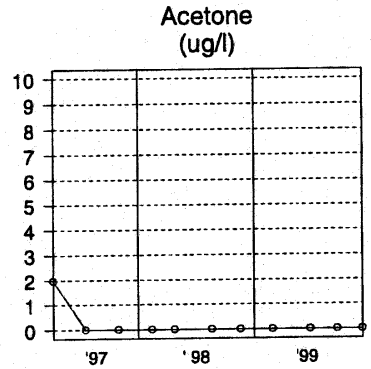
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

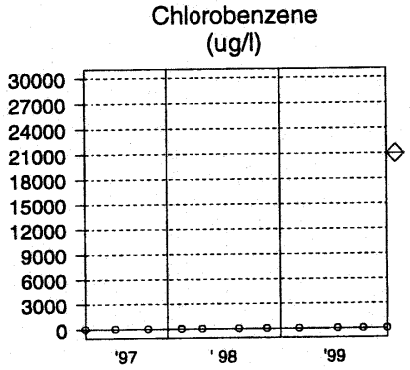
01-28-2000 x:\mtech46\fm\streams\gw\streams.wsf











SOURCE: 17

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 12 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\stream[illegible]streams.wsf

	Lab	cis-1,2-di chloro ethene
Units:	-	ug/l
NJDEP Criteria:	-	-
04/08/97	FMETL	6.44
07/17/97	FMETL	ND
10/30/97	FMETL	4.69
02/10/98	FMETL	8.22
04/21/98	FMETL	6.86
08/19/98	FMETL	2.95
11/17/98	FMETL	2.3
02/25/99	FMETL	2.30
06/29/99	FMETL	ND
09/21/99	FMETL	3.53
12/09/99	FMETL	2.60

SOURCE: 19

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

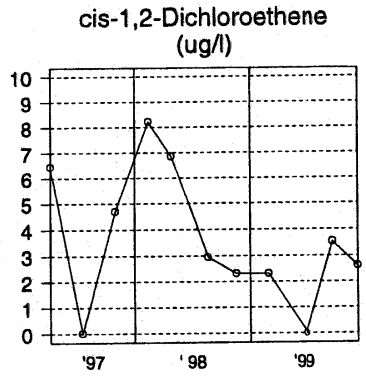
PAGE 1 OF 1

Fort Monmouth

GW Monitoring
Streams

Well 14 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 19

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 14 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\stream[illegible]eams.wsf

	Lab	Ethyl benzene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	27900	-
04/08/97	FMETL	2.18	ND
07/17/97	FMETL	ND	2.63
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	4.85
11/17/98	FMETL	ND	ND
02/25/99	FMETL	ND	ND
06/29/99	FMETL	ND	5.70
09/21/99	FMETL	ND	2.10
12/09/99	FMETL	ND	ND

SOURCE: 20

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

PAGE 1 OF 1

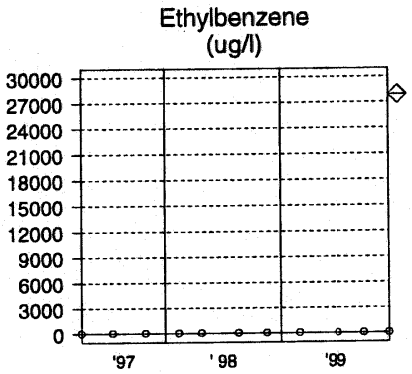
Fort Monmouth

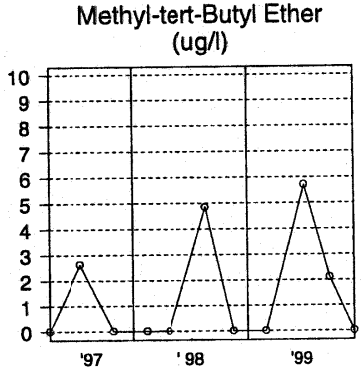
GW Monitoring
Streams

Well 15 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\streams\gw\streams.wsl





SOURCE: 20

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 15 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\stream eams.wsf

	Lab	cis-1,2-di chloro ethene	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	-	-
04/08/97	FMETL	ND	ND	ND
07/17/97	FMETL	ND	ND	2.90
10/30/97	FMETL	ND	ND	ND
02/10/98	FMETL	ND	ND	ND
04/21/98	FMETL	ND	ND	ND
08/19/98	FMETL	ND	ND	4.71
11/17/98	FMETL	ND	ND	ND
02/25/99	FMETL	ND	ND	ND
06/29/99	FMETL	ND	ND	7.40
09/21/99	FMETL	1.17	ND	2.24
12/09/99	FMETL	ND	27.52	ND

SOURCE: 21

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

PAGE 1 OF 1

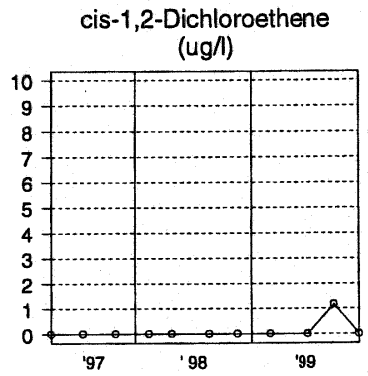
Fort Monmouth

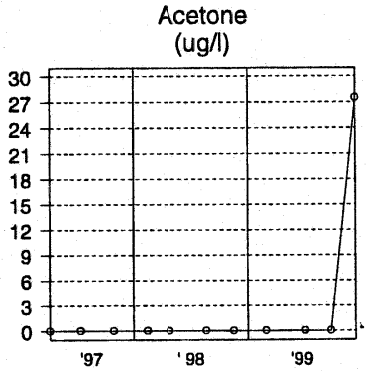
GW Monitoring
Streams

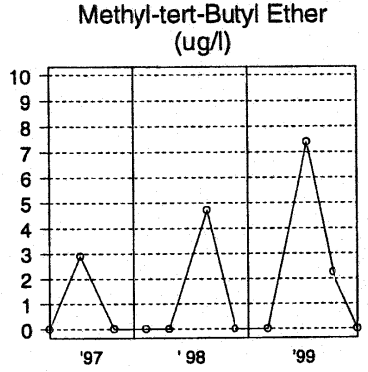
Well 16 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 21

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 16 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\vmtech46\fm\stream eams.wsf

	Lab	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	-	-
04/08/97	FMETL	ND	ND
07/17/97	FMETL	ND	4.26
10/30/97	FMETL	ND	ND
02/10/98	FMETL	ND	ND
04/21/98	FMETL	ND	ND
08/19/98	FMETL	ND	4.50
11/17/98	FMETL	ND	ND
02/25/99	FMETL	ND	ND
06/29/99	FMETL	ND	8.30
09/21/99	FMETL	ND	0.82
12/09/99	FMETL	32.77	ND

SOURCE: 22

Sampling Dates:
04/08/97 - 12/09/99

NOTES:

PAGE 1 OF 1

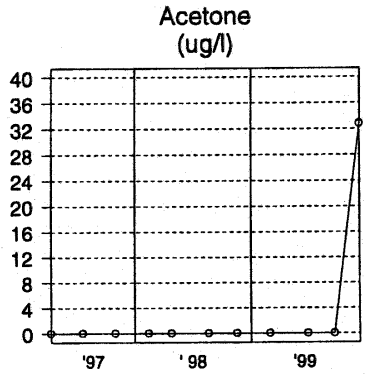
Fort Monmouth

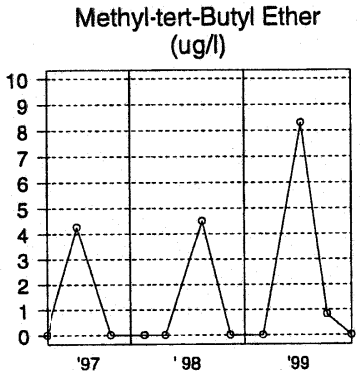
GW Monitoring
Streams

Well 17 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\streams\gw\streams.wsf





SOURCE: 22

Sampling Dates:
04/08/97 - 12/09/99

LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 17 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-28-2000 x:\mtech46\fm\stree \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: Streams/1st Qtr.

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site #22	5211.04	Aqueous	01-Mar-00 08:05	03/01/00
Stream Site #21	5211.05	Aqueous	01-Mar-00 08:15	03/01/00
Stream Site #20	5211.06	Aqueous	01-Mar-00 08:26	03/01/00
Stream Site #09	5211.07	Aqueous	01-Mar-00 08:36	03/01/00
Stream Site #19	5211.08	Aqueous	01-Mar-00 08:45	03/01/00
Stream Site #07	5211.09	Aqueous	01-Mar-00 08:57	03/01/00
Stream Site #04	5211.10	Aqueous	01-Mar-00 09:06	03/01/00
Stream Site #05	5211.11	Aqueous	01-Mar-00 09:19	03/01/00
Stream Site #17	5211.12	Aqueous	01-Mar-00 09:36	03/01/00
Stream Site #16	5211.13	Aqueous	01-Mar-00 09:27	03/01/00
Stream Site #03	5211.14	Aqueous	01-Mar-00 09:44	03/01/00
Stream Site #14	5211.15	Aqueous	01-Mar-00 09:57	03/01/00
Stream Site #13	5211.16	Aqueous	01-Mar-00 10:05	03/01/00
Stream Site #15	5211.17	Aqueous	01-Mar-00 10:14	03/01/00
Stream Site #11	5211.18	Aqueous	01-Mar-00 10:27	03/01/00
Stream Site #18	5211.19	Aqueous	01-Mar-00 10:34	03/01/00
Stream Site #12	5211.20	Aqueous	01-Mar-00 10:47	03/01/00

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

4-20 00
Daniel Wright/Date
Laboratory Director

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: Streams
Location: 1st Qtr '00

Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA	NH_3/NO_3	PO_4/SO_4	Total Col.	Temp °C	pH su	Disslvd O_2	Salinity	Remarks / Preservation Method
5211.01	Trip Blank	3/1/00	0740	AQ	2	✓				—	—	—	—	—
.02	Field Blank		0800		5	✓	✓	✓	✓	—	—	—	—	—
.03	Field Dupe		—		5	✓	✓	✓	✓	—	—	—	d 28/30	% O
.04	Stream Site #22 ★		0805		5	✓	✓	✓	✓	12.5	7.67	6.91	1.014	19
.05	#21		0815			✓	✓	✓	✓	12.5	7.69	6.99	1.014	19
.06	#20		0826			✓	✓	✓	✓	12.3	7.59	6.87	1.012	17
.07	#09		0836			✓	✓	✓	✓	12.4	7.69	6.77	1.003	0
.08	#19		0845			✓	✓	✓	✓	12.3	7.59	6.99	1.000	0
.09	#07		0857			✓	✓	✓	✓	12.3	7.59	7.41	1.003	3
.10	#04		0906			✓	✓	✓	✓	12.3	7.68	7.49	1.000	0
.11	#05		0919			✓	✓	✓	✓	12.3	7.89	7.50	1.000	0
.12	#17		0936			✓	✓	✓	✓	12.3	7.61	7.23	1.000	0
.13	#16		0927			✓	✓	✓	✓	12.3	7.95	7.51	1.000	0
.14	#03		0944			✓	✓	✓	✓	12.2	7.64	7.87	1.000	0 % O

Comments: HCL/HNO_3/H_2SO_4/4°C

Relinquished by (signature)	Date/Time:	Received by (signature)	Relinquished by (signature)	Date/Time:	Received by (signature)
Corey McCormack	3/1/00 1105				
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→O

print legibly

rls2/18/00

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: Streams

Location: 1st Qtr '00

Samplers Name / Company: Corey McCormack, TLS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA	NH_3/NO_3	PO_4/SO_4	Total Coli	°C Temp	pH su	Dsfvd O_2	Salinity ‰	Remarks / Preservation Method
52/1. .15	0957 #14	3/1/00	0957	AQ	5	✓	✓	✓	✓	12.2	7.67	7.89	1.000	0
.16	#13		1005			✓	✓	✓	✓	12.2	7.69	7.88	1.000	0
.17	#15		1014			✓	✓	✓	✓	12.2	7.70	7.89	1.000	0
.18	#11		1027			✓	✓	✓	✓	12.2	7.57	7.97	1.000	0
.19	#18		1034			✓	✓	✓	✓	12.4	7.62	6.21	1.000	0
.20	#12	↓	1047	↓	↓	✓	✓	✓	✓	12.4	7.64	6.17	1.000	0

Comments: $HCl/HNO_3/H_2SO_4/4°C$

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	3/1/00 1105				
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 → O

print legibly

Coc.xls2/18/00

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC002247.D	Sample Name	Vblk61
Operator	Skelton	Field ID	Vblk61
Date Acquired	4 Mar 2000 11:37 am	Sample Multiplie	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	
	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	
	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-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

3/8/00 1:43 PM

C:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC002247.D**	Sample Name	**Vblk61**
Operator	**Skelton**	Field ID	**Vblk61**
Date Acquired	**4 Mar 2000 11:37 am**	Sample Multiplie	**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	
	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	
	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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

3/8/00 1:44 PM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VC002248.D**
Operator **Skelton**
Date Acquired **4 Mar 2000 12:17 pm**

Sample Name **5211.01**
Field ID **Trip Blank**
Sample Multiplie **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	
	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	11.17	180403	4.98 ug/L	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	
	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-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

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC002248.D**	Sample Name	**5211.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**4 Mar 2000 12:17 pm**	Sample Multiplie	**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	
	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	11.17	180403	4.98 ug/L	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	
	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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

3/8/00 1:44 PM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC002249.D**	Sample Name	**5211.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**4 Mar 2000 12:58 pm**	Sample Multiplie	**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	
	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	
	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-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

3/8/00 1:43 PM

C:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC002249.D**	Sample Name	**5211.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**4 Mar 2000 12:58 pm**	Sample Multiplie	**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	
	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	
	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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

3/8/00 1:44 PM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VC002250.D**
Operator **Skelton**
Date Acquired **4 Mar 2000 1:38 pm**

Sample Name **5211.03**
Field ID **Field Dupe**
Sample Multiplie **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	
	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	
	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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

3/8/00 1:44 PM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC002261.D**	Sample Name	**5211.14**
Operator	**Skelton**	Field ID	**StreamSite#03**
Date Acquired	**4 Mar 2000 9:07 pm**	Sample Multiplie	**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	
	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	
	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-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

3/8/00 1:43 PM

C:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VC002257.D**
Operator **Skelton**
Date Acquired **4 Mar 2000 6:24 pm**

Sample Name **5211.10**
Field ID **StreamSite#04**
Sample Multiplie **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	11.86	118839	2.18 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	cis-1,2-Dichloroethene	15.74	42085	1.23 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	20.30	47451	1.26 ug/L	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	25.29	230043	6.18 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	

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	VC002258.D	Sample Name	5211.11
Operator	Skelton	Field ID	StreamSite#05
Date Acquired	4 Mar 2000 7:04 pm	Sample Multiplie	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	11.85	126888	2.34 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	cis-1,2-Dichloroethene	15.74	43218	1.27 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	20.30	50810	1.36 ug/L	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	25.29	244702	6.62 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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

3/8/00 1:44 PM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VC002256.D**
Operator **Skelton**
Date Acquired **4 Mar 2000 5:43 pm**

Sample Name **5211.09**
Field ID **StreamSite#07**
Sample Multiplie **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	11.84	114203	2.14 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	cis-1,2-Dichloroethene	15.75	40053	1.19 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	20.30	48922	1.30 ug/L	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	25.29	238417	6.47 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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

3/8/00 1:44 PM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC002254.D**	Sample Name	**5211.07**
Operator	**Skelton**	Field ID	**StreamSite#09**
Date Acquired	**4 Mar 2000 4:22 pm**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.74	75111	2.17 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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

3/8/00 1:44 PM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC002265.D**	Sample Name	**5211.18**
Operator	**Skelton**	Field ID	**StreamSite#11**
Date Acquired	**4 Mar 2000 11:50 pm**	Sample Multiplie	**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	11.86	86124	1.64 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	cis-1,2-Dichloroethene	15.73	364096	11.01 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-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

3/8/00 1:43 PM

C:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC002267.D**	Sample Name	**5211.20**
Operator	**Skelton**	Field ID	**StreamSite#12**
Date Acquired	**5 Mar 2000 1:12 am**	Sample Multiplie	**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	
	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	
	cis-1,2-Dichloroethene	15.73	104692	3.13 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-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

3/8/00 1:43 PM

C:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC002263.D**	Sample Name	**5211.16**
Operator	**Skelton**	Field ID	**StreamSite#13**
Date Acquired	**4 Mar 2000 10:29 pm**	Sample Multiplie	**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	11.86	126943	2.40 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	cis-1,2-Dichloroethene	15.75	44885	1.35 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	20.29	51739	1.40 ug/L	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	25.29	249498	6.92 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-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

3/8/00 1:43 PM

C:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC002262.D**	Sample Name	**5211.15**
Operator	**Skelton**	Field ID	**StreamSite#14**
Date Acquired	**4 Mar 2000 9:48 pm**	Sample Multiplie	**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	
	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	
	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-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

3/8/00 1:43 PM

C:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC002264.D	Sample Name	5211.17
Operator	Skelton	Field ID	StreamSite#15
Date Acquired	4 Mar 2000 11:09 pm	Sample Multiplie	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	11.86	124108	2.38 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	cis-1,2-Dichloroethene	15.73	45706	1.39 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	20.29	51157	1.39 ug/L	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	25.29	251290	6.95 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-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

3/8/00 1:43 PM

C:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC002260.D**	Sample Name	**5211.13**
Operator	**Skelton**	Field ID	**StreamSite#16**
Date Acquired	**4 Mar 2000 8:27 pm**	Sample Multiplie	**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	11.85	124539	2.33 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	cis-1,2-Dichloroethene	15.73	43247	1.28 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	20.29	47524	1.27 ug/L	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	25.29	236473	6.47 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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

3/8/00 1:44 PM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC002259.D	Sample Name	5211.12
Operator	Skelton	Field ID	StreamSite#17
Date Acquired	4 Mar 2000 7:46 pm	Sample Multiplie	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	
	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	
	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	

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	VC002266.D	Sample Name	5211.19
Operator	Skelton	Field ID	StreamSite#18
Date Acquired	5 Mar 2000 12:31 am	Sample Multiplie	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	
	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	
	cis-1,2-Dichloroethene	15.74	185618	5.57 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-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

3/8/00 1:43 PM

C:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File **VC002255.D**
Operator **Skelton**
Date Acquired **4 Mar 2000 5:02 pm**

Sample Name **5211.08**
Field ID **StreamSite#19**
Sample Multiplie **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	
	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	
	cis-1,2-Dichloroethene	15.74	98382	2.92 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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

3/8/00 1:44 PM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC002253.D	Sample Name	5211.06
Operator	Skelton	Field ID	StreamSite#20
Date Acquired	4 Mar 2000 3:40 pm	Sample Multiplie	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	
	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	
	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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

3/8/00 1:44 PM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC002252.D	Sample Name	5211.05
Operator	Skelton	Field ID	StreamSite#21
Date Acquired	4 Mar 2000 3:00 pm	Sample Multiplie	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	
	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	
	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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

3/8/00 1:44 PM

C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VC002251.D**	Sample Name	**5211.04**
Operator	**Skelton**	Field ID	**StreamSite#22**
Date Acquired	**4 Mar 2000 2:19 pm**	Sample Multiplie	**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	
	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	
	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	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

Stream Water Analysis
March 2000

Sample ID	Date Sampled	Stream Site#	Temp °C	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphates (mg/L)	Sulfates (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
5211.04	03/01/00	22	12.5	7.67	ND	0.5	ND	1450	6.91	160	40	19
5211.05	03/01/00	21	12.5	7.69	ND	0.7	ND	1600	6.99	160	<1	19
5211.06	03/01/00	20	12.3	7.59	ND	0.3	ND	1700	6.87	160	<1	17
5211.07	03/01/00	09	12.4	7.69	0.302	0.8	ND	56	6.77	280	80	0
5211.08	03/01/00	19	12.3	7.59	0.284	1.3	ND	27	6.99	480	100	0
5211.09	03/01/00	07	12.3	7.59	0.628	0.5	ND	55	7.41	340	40	3
5211.10	03/01/00	04	12.3	7.68	0.637	0.3	ND	85	7.49	300	20	0
5211.11	03/01/00	05	12.3	7.89	0.675	0.2	ND	65	7.50	240	40	0
5211.12	03/01/00	17	12.3	7.61	ND	0.7	ND	37	7.23	120	100	0
5211.13	03/01/00	16	12.3	7.99	0.740	0.4	ND	70	7.51	140	40	0
5211.14	03/01/00	03	12.2	7.64	ND	0.6	ND	37	7.87	200	20	0
5211.15	03/01/00	14	12.2	7.67	ND	0.5	ND	38	7.89	160	40	0
5211.16	03/01/00	13	12.2	7.69	1.07	0.6	ND	35	7.88	240	60	0
5211.17	03/01/00	15	12.2	7.70	1.12	0.8	ND	35	7.89	180	60	0
5211.18	03/01/00	11	12.2	7.57	ND	1.5	ND	27	7.97	160	60	0
5211.19	03/01/00	18	12.4	7.62	0.286	1.3	ND	26	6.21	380	20	0
5211.20	03/01/00	12	12.4	7.64	0.394	1.4	ND	28	6.17	420	<1	0

mg/L = parts per million
cfu = colony forming units
ND = Not detected

Completed:03/21/00
Reviewed: 03/21/00

4-20-00

Daniel K. Wright

Laboratory Director

	Lab	Methylene Chloride	Tetrachloroethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	2.49	0.388
04/08/1997	FMETL	2.00	ND
07/17/1997	FMETL	ND	ND
10/30/1997	FMETL	ND	ND
02/10/1998	FMETL	ND	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	ND	ND
11/18/1998	FMETL	ND	1.09
02/25/1999	FMETL	ND	ND
06/29/1999	FMETL	ND	ND
09/22/1999	FMETL	ND	ND
12/09/1999	FMETL	ND	ND
03/01/2000	FMETL	ND	ND

SOURCE: 3

Sampling Dates:
04/08/1997 - 03/01/2000

NOTES:

Stream 3 is Fresh-Water.
MeCl limit is 2.49 ug/L.
PCE limit is 0.388 ug/L.

PAGE 1 OF 1

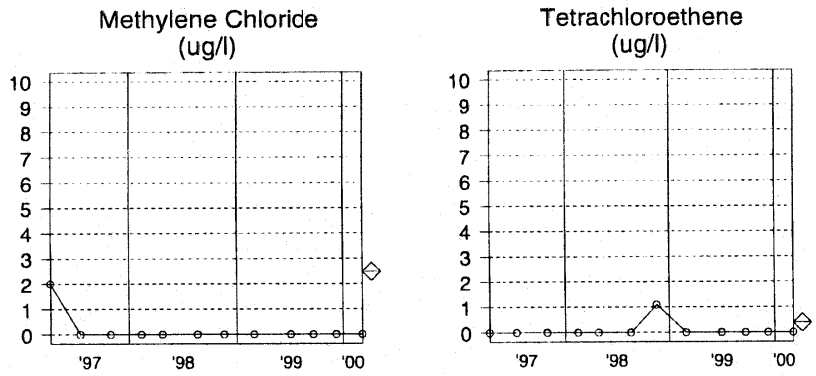
Fort Monmouth

GW Monitoring
Streams

Well 1 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf



SOURCE: 3

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 1 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	-
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

SOURCE: 4

Sampling Dates:
04/08/1997 - 03/01/2000

NOTES:

PAGE 1 OF 1
Stream 4 is Salt-Water.
MTBE limit is NLE
cis-1,2-Di limit isNLE
TCE limit is 81
FCE limit is 4.29

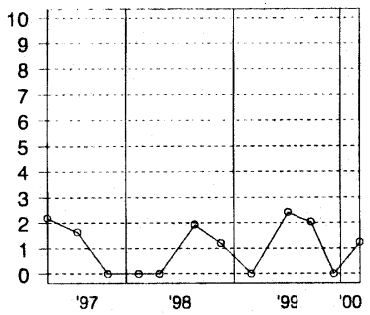
Fort Monmouth

GW Monitoring
Streams

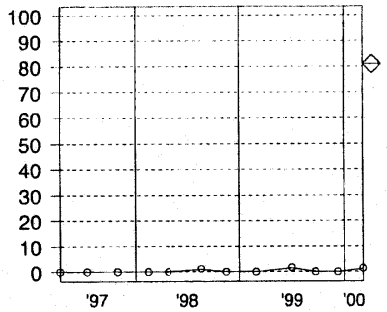
Well 2 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

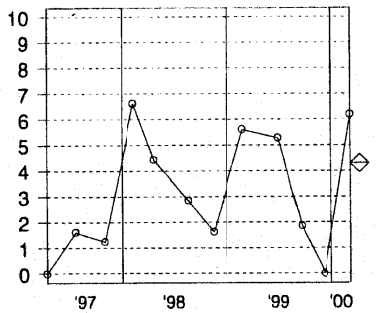
cis-1,2-Dichloroethene
(ug/l)



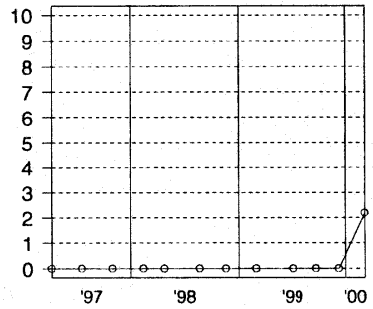
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 4

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 2 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	1600	-	81	4.29	-
04/08/1997	FMETL	1.96	1.80	ND	2.28	ND
07/17/1997	FMETL	ND	3.66	ND	3.54	ND
10/30/1997	FMETL	ND	1.83	ND	1.70	ND
02/10/1998	FMETL	ND	ND	ND	6.34	ND
04/21/1998	FMETL	ND	ND	ND	4.48	ND
08/19/1998	FMETL	ND	2.28	1.27	3.39	ND
11/17/1998	FMETL	ND	1.67	ND	2.17	ND
02/25/1999	FMETL	ND	ND	ND	5.45	ND
06/29/1999	FMETL	ND	2.74	1.74	6.04	ND
09/22/1999	FMETL	ND	1.96	ND	1.82	ND
12/09/1999	FMETL	ND	1.60	ND	3.82	ND
03/01/2000	FMETL	ND	1.27	1.36	6.62	2.34

SOURCE: 5

Sampling Dates:
04/08/1997 - 03/01/2000

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.

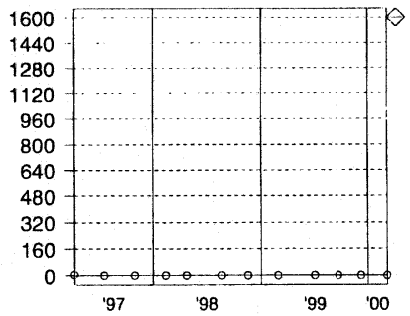
Fort Monmouth

GW Monitoring
Streams

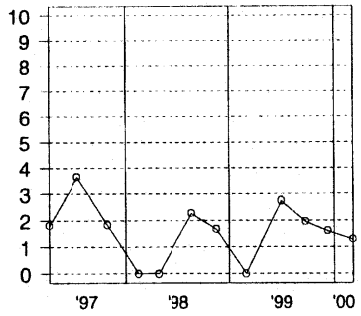
Well 3 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

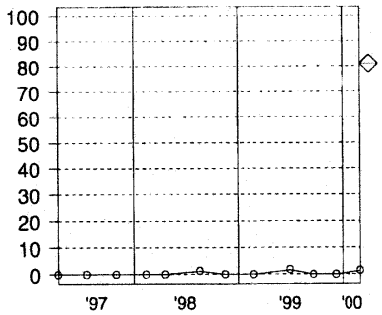
Methylene Chloride
(ug/l)



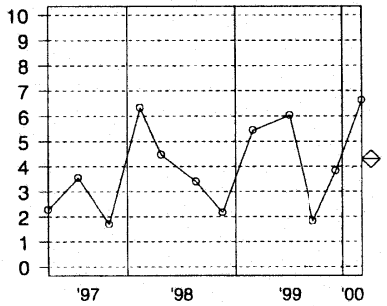
cis-1,2-Dichloroethene
(ug/l)



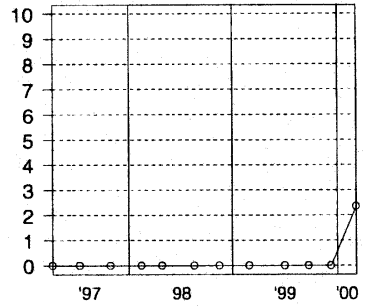
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 5

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 3 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	-	-
04/08/1997	FMETL	ND	ND	ND	ND	ND
07/17/1997	FMETL	1.14	ND	1.08	ND	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	2.04	ND	ND
04/21/1998	FMETL	ND	ND	2.40	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND
11/17/1998	FMETL	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	ND	2.85	ND	ND
06/29/1999	FMETL	ND	ND	1.42	2.94	2.00
09/22/1999	FMETL	ND	ND	ND	ND	ND
12/09/1999	FMETL	ND	ND	ND	ND	ND
03/01/2000	FMETL	1.19	1.30	6.47	ND	2.14

SOURCE: 7

Sampling Dates:
04/08/1997 - 03/01/2000

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.

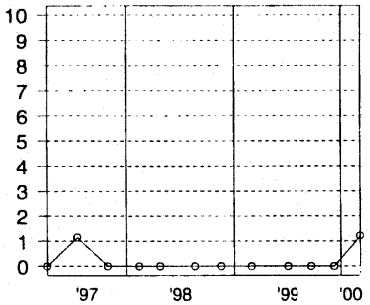
Fort Monmouth

GW Monitoring
Streams

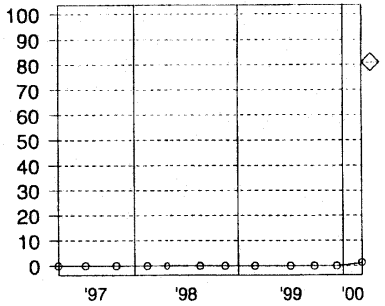
Well 4 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

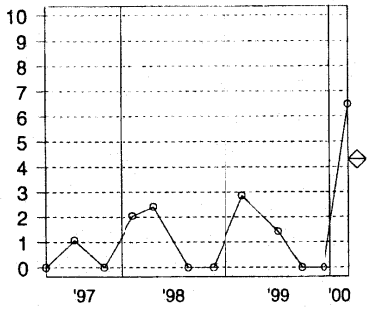
cis-1,2-Dichloroethene
(ug/l)



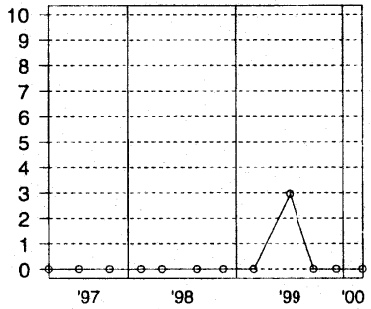
Trichloroethene
(ug/l)



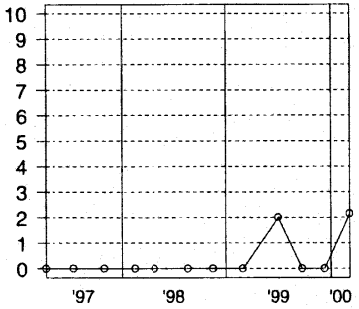
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 7

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 4 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Acetone
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	1600	-	-
04/08/1997	FMETL	1.82	2.78	ND
07/17/1997	FMETL	ND	ND	ND
10/30/1997	FMETL	ND	2.14	ND
02/10/1998	FMETL	ND	6.00	ND
04/21/1998	FMETL	ND	4.73	ND
08/19/1998	FMETL	ND	1.69	ND
11/17/1998	FMETL	ND	ND	ND
02/25/1999	FMETL	ND	1.78	ND
06/29/1999	FMETL	ND	ND	2.50
09/21/1999	FMETL	ND	1.91	ND
12/09/1999	FMETL	ND	ND	25.08
03/01/2000	FMETL	ND	2.17	ND

SOURCE: 9

Sampling Dates:
04/08/1997 - 03/01/2000

NOTES:

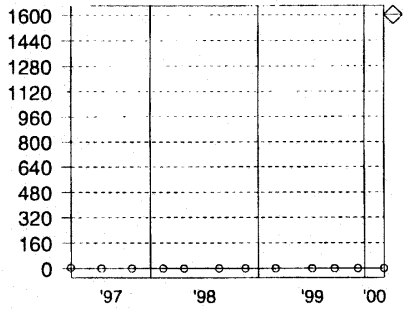
PAGE 1 OF 1
Stream 9 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

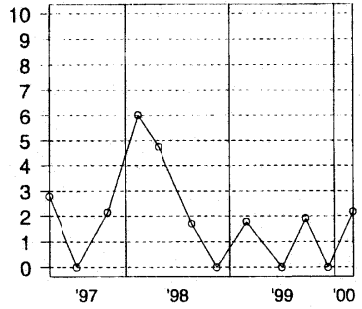
Fort Monmouth

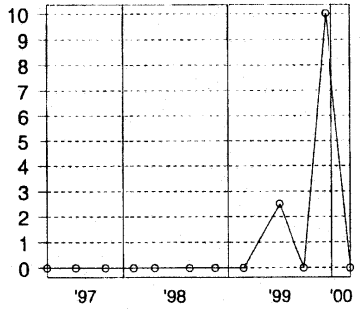
GW Monitoring
Streams

Well 5 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 9

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 5 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	-
04/08/1997	FMETL	18.72	1.58	ND
07/17/1997	FMETL	14.13	ND	ND
10/30/1997	FMETL	18.23	ND	ND
02/10/1998	FMETL	24.71	2.14	ND
04/21/1998	FMETL	21.66	1.82	ND
08/19/1998	FMETL	11.73	ND	ND
11/18/1998	FMETL	8.82	ND	ND
02/25/1999	FMETL	9.11	ND	ND
06/29/1999	FMETL	5.77	ND	ND
09/21/1999	FMETL	15.62	ND	ND
12/09/1999	FMETL	11.90	ND	ND
03/01/2000	FMETL	11.01	ND	1.64

SOURCE: 11

Sampling Dates:
04/08/1997 - 03/01/2000

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.

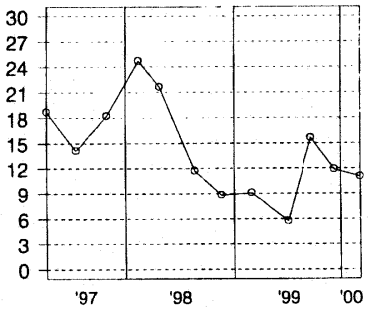
Fort Monmouth

GW Monitoring
Streams

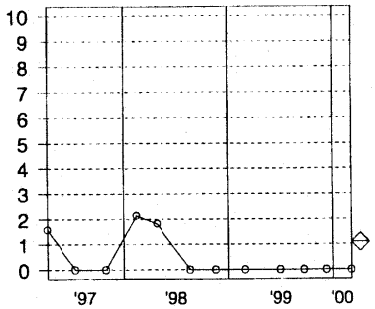
Well 6 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

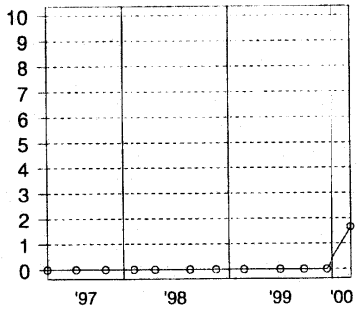
cis-1,2-Dichloroethene
(ug/l)



Trichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 11

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 6 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Acetone
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	-	-
04/08/1997	FMETL	6.63	ND
07/17/1997	FMETL	ND	ND
10/30/1997	FMETL	5.67	ND
02/10/1998	FMETL	6.54	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	4.58	ND
11/18/1998	FMETL	2.48	ND
02/25/1999	FMETL	1.80	ND
06/29/1999	FMETL	1.39	ND
09/21/1999	FMETL	3.67	9.54
12/09/1999	FMETL	2.74	ND
03/01/2000	FMETL	3.13	ND

SOURCE: 12

Sampling Dates:
04/08/1997 - 03/01/2000

NOTES:

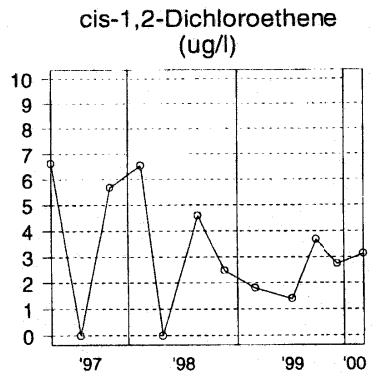
PAGE 1 OF 1
Stream 12 is Fresh-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

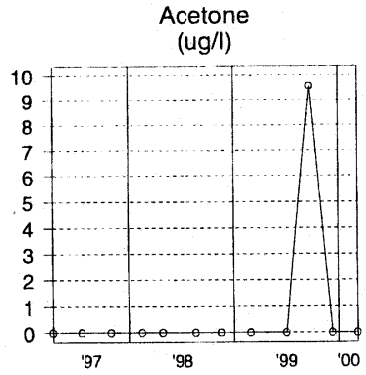
Fort Monmouth

GW Monitoring
Streams

Well 7 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 12

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 7 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-
04/08/1997	FMETL	1.91	ND	ND	ND	2.81	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	ND	3.94	ND	ND
03/01/2000	FMETL	ND	1.35	1.40	6.92	ND	2.40

SOURCE: 13

Sampling Dates:
04/08/1997 - 03/01/2000

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.

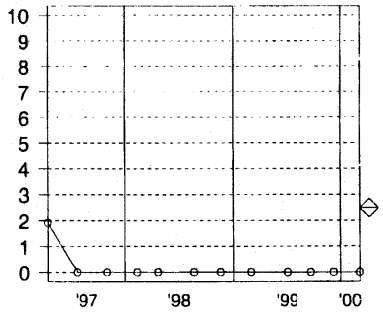
Fort Monmouth

GW Monitoring
Streams

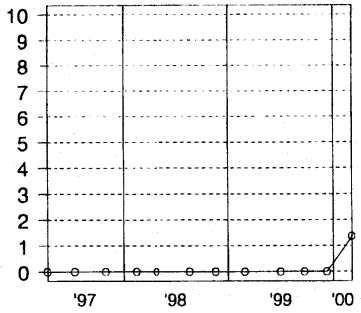
Well 8 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

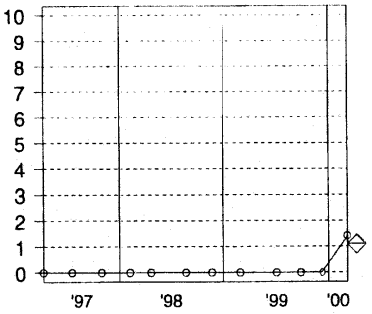
Methylene Chloride
(ug/l)



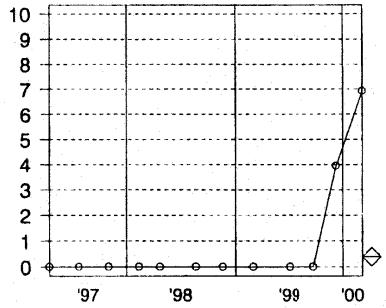
cis-1,2-Dichloroethene
(ug/l)



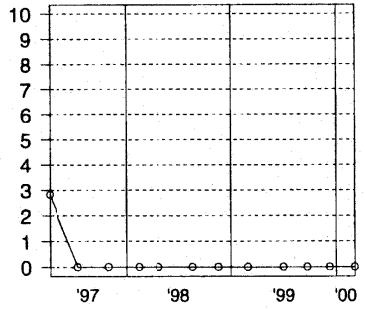
Trichloroethene
(ug/l)



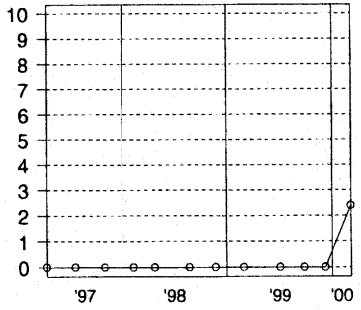
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 13

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 8 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Acetone
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	-
04/08/1997	FMETL	ND	ND	3.94
07/17/1997	FMETL	ND	ND	ND
10/30/1997	FMETL	1.59	1.75	ND
02/10/1998	FMETL	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND
11/18/1998	FMETL	ND	ND	3.32
02/25/1999	FMETL	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND
09/22/1999	FMETL	ND	ND	ND
12/09/1999	FMETL	11.26	ND	ND
03/01/2000	FMETL	ND	ND	ND

SOURCE: 14

Sampling Dates:
04/08/1997 - 03/01/2000

NOTES:

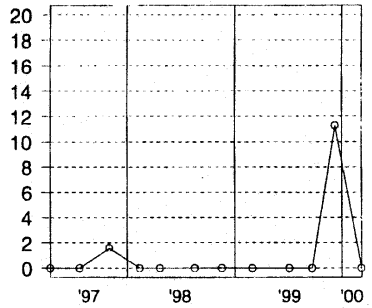
PAGE 1 OF 1
Stream 14 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
Acetone limit is NLE.

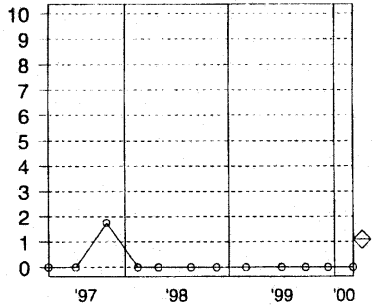
Fort Monmouth

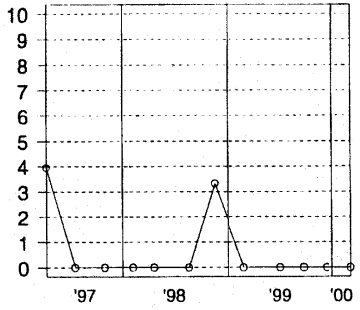
GW Monitoring
Streams

Well 9 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 14

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 9 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	0.388	-
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

SOURCE: 15

Sampling Dates:
04/08/1997 - 03/01/2000

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

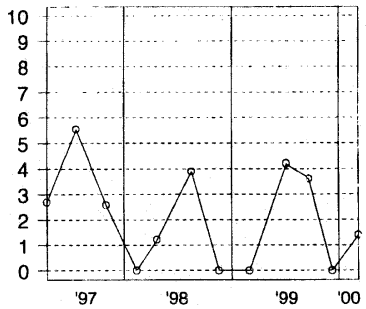
GW Monitoring
Streams

Well 10 of 17

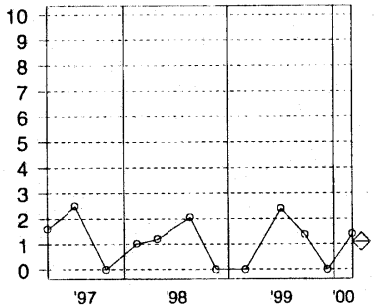
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf

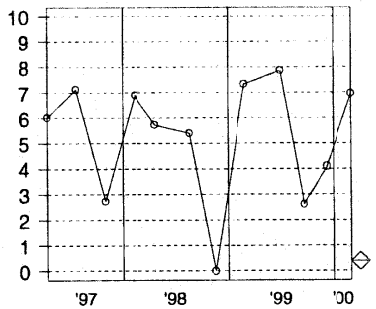
cis-1,2-Dichloroethene
(ug/l)



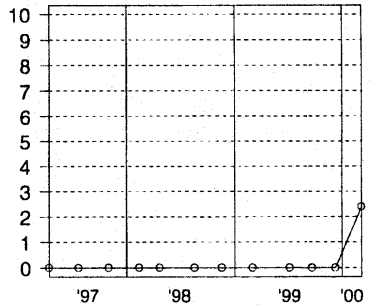
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 15

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 10 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	-
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

SOURCE: 16

Sampling Dates:
04/08/1997 - 03/01/2000

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.

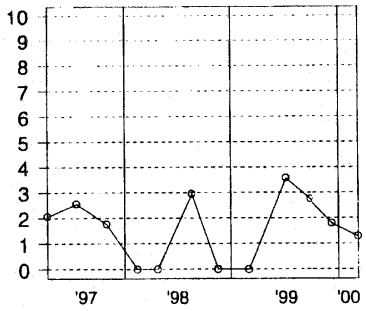
Fort Monmouth

GW Monitoring
Streams

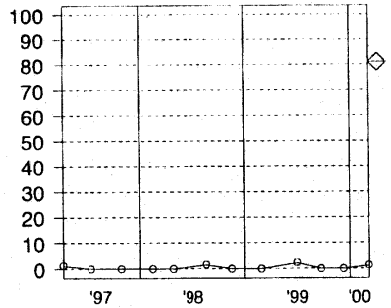
Well 11 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

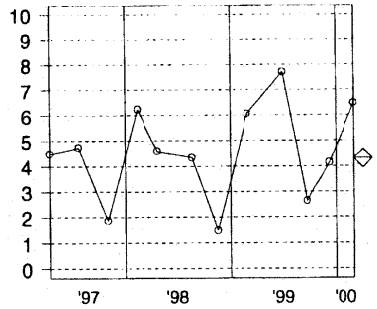
cis-1,2-Dichloroethene
(ug/l)



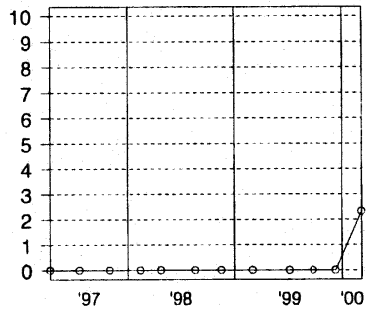
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 16

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 11 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Chloro benzene
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	-	21000
04/08/1997	FMETL	ND	ND	ND	1.97	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	ND	1.59
04/21/1998	FMETL	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND
11/18/1998	FMETL	4.43	2.12	5.09	ND	ND
02/25/1999	FMETL	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	ND	ND
09/22/1999	FMETL	1.09	ND	ND	ND	ND
12/09/1999	FMETL	ND	ND	ND	ND	ND
03/01/2000	FMETL	ND	ND	ND	ND	ND

SOURCE: 17

Sampling Dates:
04/08/1997 - 03/01/2000

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.

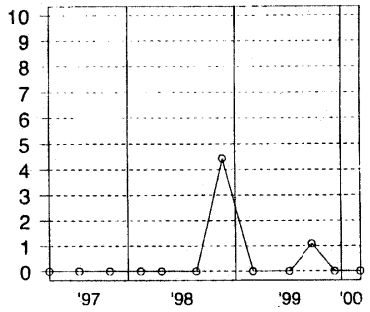
Fort Monmouth

GW Monitoring
Streams

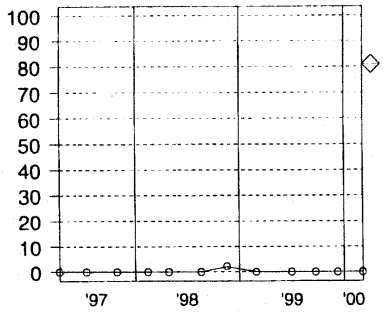
Well 12 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

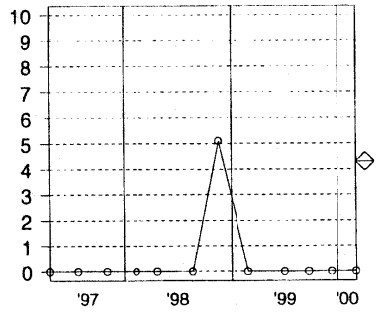
cis-1,2-Dichloroethene
(ug/l)



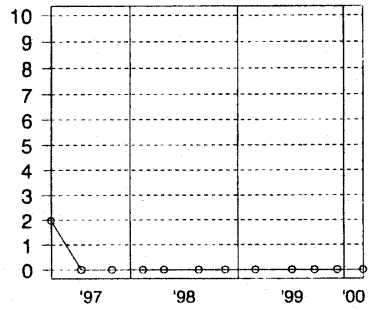
Trichloroethene
(ug/l)



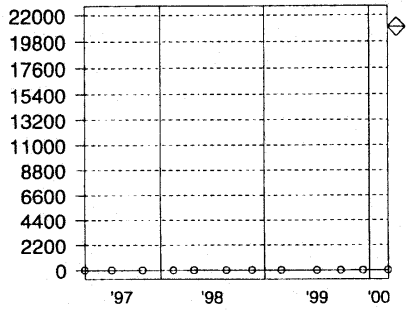
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



Chlorobenzene
(ug/l)



SOURCE: 17

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 12 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene
Units:	-	ug/l
NJDEP Criteria:	-	-
04/08/1997	FMETL	ND
07/17/1997	FMETL	1.06
10/30/1997	FMETL	5.87
02/10/1998	FMETL	14.36
04/21/1998	FMETL	ND
08/19/1998	FMETL	4.65
11/18/1998	FMETL	3.18
02/25/1999	FMETL	3.95
06/29/1999	FMETL	1.47
09/21/1999	FMETL	4.67
12/09/1999	FMETL	4.90
03/01/2000	FMETL	5.57

SOURCE: 18

Sampling Dates:
04/08/1997 - 03/01/2000

NOTES:

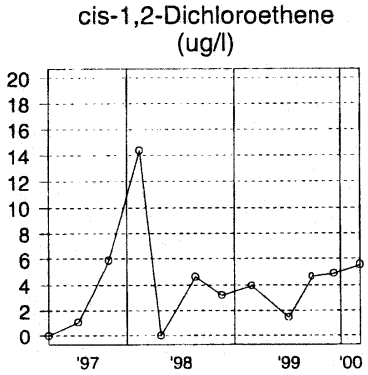
PAGE 1 OF 1
Stream 18 is Fresh-Water.
cis-1,2-Di limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Well 13 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 18

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 13 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chlorc ethene
Units:	-	ug/l
NJDEP Criteria:	-	-
04/08/1997	FMETL	6.44
07/17/1997	FMETL	ND
10/30/1997	FMETL	4.69
02/10/1998	FMETL	8.22
04/21/1998	FMETL	6.86
08/19/1998	FMETL	2.95
11/17/1998	FMETL	2.3
02/25/1999	FMETL	2.30
06/29/1999	FMETL	ND
09/21/1999	FMETL	3.53
12/09/1999	FMETL	2.60
03/01/2000	FMETL	2.92

SOURCE: 19

Sampling Dates:
04/08/1997 - 03/01/2000

NOTES:

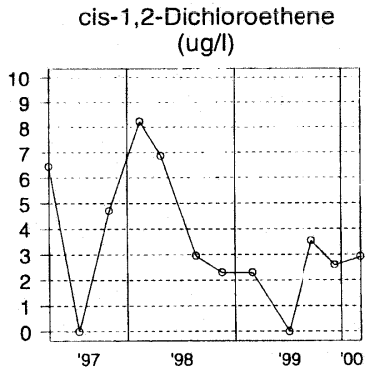
PAGE 1 OF 1
Stream 19 is Salt-Water.
cis-1,2-Di limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Well 14 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 19

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 14 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Ethyl benzene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	27900	-
04/08/1997	FMETL	2.18	ND
07/17/1997	FMETL	ND	2.63
10/30/1997	FMETL	ND	ND
02/10/1998	FMETL	ND	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	ND	4.85
11/17/1998	FMETL	ND	ND
02/25/1999	FMETL	ND	ND
06/29/1999	FMETL	ND	5.70
09/21/1999	FMETL	ND	2.10
12/09/1999	FMETL	ND	ND
03/01/2000	FMETL	ND	ND

SOURCE: 20

Sampling Dates:
04/08/1997 - 03/01/2000

NOTES:

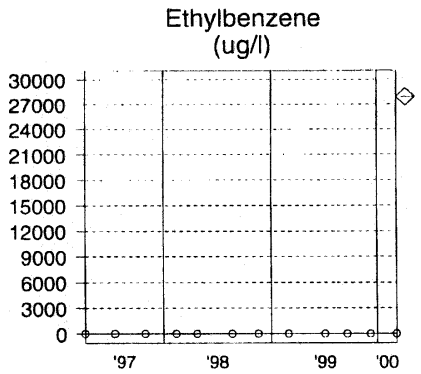
PAGE 1 OF 1
Stream20 is Salt-Water.
Ethylben limit is 27900 ug/L.
MTBE limit is NLE.

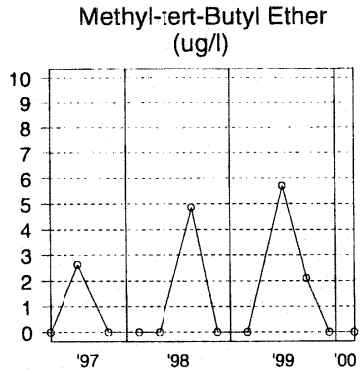
Fort Monmouth

GW Monitoring
Streams

Well 15 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 20

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 15 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech48\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	-	-
04/08/1997	FMETL	ND	ND	ND
07/17/1997	FMETL	ND	ND	2.90
10/30/1997	FMETL	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND
08/19/1998	FMETL	ND	ND	4.71
11/17/1998	FMETL	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND
06/29/1999	FMETL	ND	ND	7.40
09/21/1999	FMETL	1.17	ND	2.24
12/09/1999	FMETL	ND	27.52	ND
03/01/2000	FMETL	ND	ND	ND

SOURCE: 21

Sampling Dates:
04/08/1997 - 03/01/2000

NOTES:

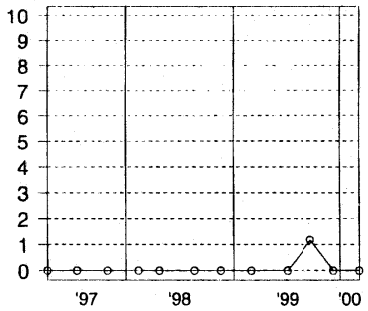
PAGE 1 OF 1
Sream 21 is Salt-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.
MTBE limit is NLE.

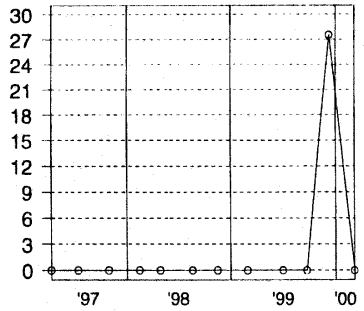
Fort Monmouth

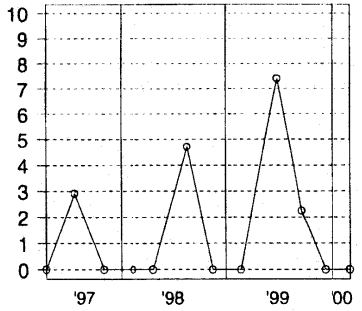
GW Monitoring
Streams

Well 16 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 21

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 16 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	-	-
04/08/1997	FMETL	ND	ND
07/17/1997	FMETL	ND	4.26
10/30/1997	FMETL	ND	ND
02/10/1998	FMETL	ND	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	ND	4.50
11/17/1998	FMETL	ND	ND
02/25/1999	FMETL	ND	ND
06/29/1999	FMETL	ND	8.30
09/21/1999	FMETL	ND	0.82
12/09/1999	FMETL	32.77	ND
03/01/2000	FMETL	ND	ND

SOURCE: 22

Sampling Dates:
04/08/1997 - 03/01/2000

NOTES:

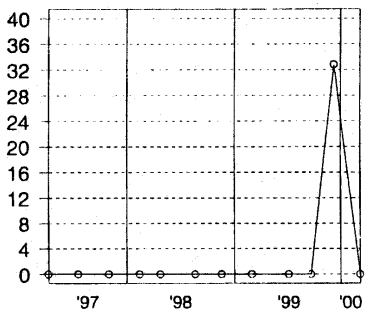
PAGE 1 OF 1
Stream 22 is Salt-Water.
Acetone limit is NLE.
MTBE limit is NLE.

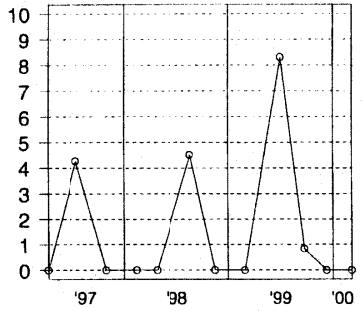
Fort Monmouth

GW Monitoring
Streams

Well 17 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 22

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

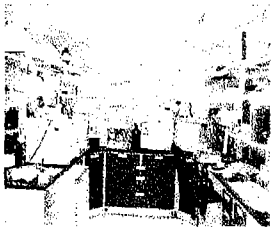
Well 17 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-20-2000 x:\mtech46\fm\streams\gw\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: Streams

Streams

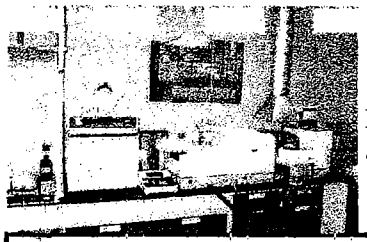
Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Trip	5468.01	Aqueous	12-June-00 07:35	06/12/00
Field Blank	5468.02	Aqueous	12-June-00 08:40	06/12/00
Dupe	5468.03	Aqueous	12-June-00	06/12/00
Stream Site # 22	5468.04	Aqueous	12-June-00 08:43	06/12/00
Stream Site # 21	5468.05	Aqueous	12-June-00 08:53	06/12/00
Stream Site # 20	5468.06	Aqueous	12-June-00 09:03	06/12/00
Stream Site # 09	5468.07	Aqueous	12-June-00 09:13	06/12/00
Stream Site # 19	5468.08	Aqueous	12-June-00 09:26	06/12/00
Stream Site # 12	5468.09	Aqueous	12-June-00 09:37	06/12/00
Stream Site # 18	5468.10	Aqueous	12-June-00 10:06	06/12/00
Stream Site # 11	5468.11	Aqueous	12-June-00 10:10	06/12/00
Stream Site # 15	5468.12	Aqueous	12-June-00 10:43	06/12/00
Stream Site # 13	5468.13	Aqueous	12-June-00 10:55	06/12/00
Stream Site # 16	5468.14	Aqueous	12-June-00 11:05	06/12/00
Stream Site # 05	5468.15	Aqueous	12-June-00 11:10	06/12/00
Stream Site # 04	5468.16	Aqueous	12-June-00 11:15	06/12/00
Stream Site # 07	5468.17	Aqueous	12-June-00 11:28	06/12/00
Stream Site # 17	5468.18	Aqueous	12-June-00 11:56	06/12/00
Stream Site # 03	5468.19	Aqueous	12-June-00 13:27	06/12/00
Stream Site # 14	5468.20	Aqueous	12-June-00 13:50	06/12/00
Stream Site # 23	5468.21	Aqueous	12-June-00 10:31	06/12/00
Stream Site # 24	5468.22	Aqueous	12-June-00 10:17	06/12/00
Stream Site # 25	5468.23	Aqueous	12-June-00 11:47	06/12/00
Stream Site # 26	5468.24	Aqueous	12-June-00 13:13	06/12/00
Stream Site # 28	5468.25	Aqueous	12-June-00 11:21	06/12/00
Stream Site # 27	5468.26	Aqueous	12-June-00 11:35	06/12/00

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VO+15, PCB's, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

6-19-00
Daniel Wright/Date
Laboratory Director

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:

Phone #:

( )DERA ( )OMA ( )Other:_____

Project No:

Location: Streams 2nd Qtr '00

Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	NH_3/NO_3	PO_4/SO_4	Total/Col.	PCB's	pH	Temp °C	Dissolved O_2	Remarks / Preservation Method
5468 .01	Trip	6/12/00	0735	AQ	2	✓					–	–	–	
.02	Field Blank		0840		5	✓	✓	✓	~~CPM~~ ✓	✓	–	–	–	
.03	Dupe		—		6	✓	✓	✓	✓	✓	–	–	–	Salinity d^{20}_{20} / 9.0
.04	Stream Site # 22		0843		6	✓	✓	✓	✓	✓	7.83	27.9°	6.88	1.012 / 18.0
.05	# 21		0853		6	✓	✓	✓	✓	✓	7.81	28.8°	6.94	1.014 / 18.0
.06	# 20		0903			✓	✓	✓	✓	✓	7.82	27.5°	7.11	1.012 / 18.0
.07	# 09		0913			✓	✓	✓	✓	✓	7.71	25.3	7.32	1.001 / ~~CPM~~ 1.0
.08	# 19		0926			✓	✓	✓	✓	✓	6.87	25.7	7.41	1.000 / 0.0
.09	# 12		0937			✓	✓	✓	✓	✓	7.94	26.6	6.41	1.000 / 0.0
.10	# 18		1006			✓	✓	✓	✓	✓	7.41	26.4	6.37	1.000 / 0.0
.11	# 11		1010			✓	✓	✓	✓	✓	6.96	20.3	7.21	1.000 / 0.0
.12	# 15		1043			✓	✓	✓	✓	✓	6.84	24.2	7.31	1.000 / 0.0
.13	# 13		1055			✓	✓	✓	✓	✓	6.77	22.1	7.37	1.000 / 0.0
.14	# 16	↓	1105	↓	▽	✓	✓	✓	✓	✓	6.78	25.9	6.71	1.000 / 0.0

Comments: HCL / H_2SO_4 / <4°C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	6/12/00 1414				
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: Heavy Rain previous night. CPM
Tide: H → Outgoing

print legibly

Coc.xls4/19/00

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: Streams 2nd Qrtr '00

Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA's	NH_3/NO_3	PO_4/SO_4	Total Coli	PCB's	pH	Temp	Dissolved O_2	Remarks / Preservation Method
54608 .15	#5	6/12/00	1110	AQ	6	✓	✓	✓	✓	✓	6.72	26.3°	6.67	1.001 / 1.00
.16	#4		1115		6	✓	✓	✓	✓	✓	6.75	26.8°	6.15	1.002 / 2.00
.17	#7		1128			✓	✓	✓	✓	✓	6.86	27.1	6.69	1.005 / 4.00
.18	#17		1156			✓	✓	✓	✓	✓	7.10	25.1	6.71	1.000 / 0.0
.19	#3		1327			✓	✓	✓	✓	✓	7.18	23.2	6.99	1.000 / 0.0
.20	#14		1350			✓	✓	✓	✓	✓	6.47	23.1	7.21	1.000 / 0.0
.21	#23		1031			✓	✓	✓	✓	✓	6.82	24.9	7.21	1.000 / 0.0
.22	#24		1017			✓	✓	✓	✓	✓	6.52	24.3	7.33	1.000 / 0.0
.23	#25		1147			✓	✓	✓	✓	✓	7.06	25.2	6.81	1.001 / 1.00
.24	#26		1313			✓	✓	✓	✓	✓	~~7.06~~ 7.15 ~~6.52~~ 6.53	~~23.4~~ 24.3 cor	6.53	1.000 / 0.0
.25	#28		1121			✓	✓	✓	✓	✓	6.81	26.8	6.66	1.003 / ~~3.00~~ 3.00 corr
.26	#29		1135			✓	✓	✓	✓	✓	6.91	27.1	6.51	1.005 / ~~5.00~~ 5.0

Comments: HCl / H_2SO_4 / 4°C

Relinquished by (signature)	Date/Time	Received by (signature)	Relinquished by (signature)	Date/Time	Received by (signature)
Corey McCormack	6/12/00 1414				
Relinquished by (signature)	Date/Time	Received by (signature)	Relinquished by (signature)	Date/Time	Received by (signature)

Report Type: ( )Full, ( )Reduced, ( )Standard, ( )Screen / non-certified, ( )EDD

Turnaround time: ( )Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:
Tide: H-70

print legibly

Coc.xls4/19/00

VOLATILE ORGANICS

FRESH WATER

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB007201.D**	Sample Name	**Vblk220**
Operator	**Skelton**	Field ID	**Vblk220**
Date Acquired	**13 Jun 2000 11:18 am**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

6/15/00 2:02 PM

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Vblk220**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk220

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007201.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/13/00

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	**VB007235.D**	Sample Name	**Vblk221**
Operator	**Skelton**	Field ID	**Vblk221**
Date Acquired	**14 Jun 2000 11:19 am**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

6/15/00 2:28 PM

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Vblk221**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: Vblk221

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007235.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. _____ Date Analyzed: 6/14/00

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	**VB007218.D**	Sample Name	**5468.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**13 Jun 2000 11:06 pm**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

6/15/00 2:02 PM

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007218.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/13/00

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	**VB007219.D**	Sample Name	**5468.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**13 Jun 2000 11:47 pm**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

6/15/00 2:02 PM

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007219.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/13/00

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	**VB007241.D**	Sample Name	**5468.19**
Operator	**Skelton**	Field ID	**StreamSite#03**
Date Acquired	**14 Jun 2000 3:30 pm**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

6/15/00 2:28 PM

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS#03**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5468.19

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007241.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. _____ Date Analyzed: 6/14/00

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	**VB007228.D**	Sample Name	**5468.11**
Operator	**Skelton**	Field ID	**StreamSite#11**
Date Acquired	**14 Jun 2000 5:50 am**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	cis-1,2-Dichloroethene	15.98	144090	8.03 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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-9[illegible]

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

6/15/00 2:03 PM

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS#11**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.11

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007228.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007226.D**	Sample Name	**5468.09**
Operator	**Skelton**	Field ID	**StreamSite#12**
Date Acquired	**14 Jun 2000 4:29 am**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

6/15/00 2:03 PM

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#12

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007226.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007230.D**	Sample Name	**5468.13**
Operator	**Skelton**	Field ID	**StreamSite#13**
Date Acquired	**14 Jun 2000 7:11 am**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene	25.51	76619	5.56 ug/L	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 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

6/15/00 2:03 PM

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS#13**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.13

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007230.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007242.D**	Sample Name	**5468.20**
Operator	**Skelton**	Field ID	**StreamSite#14**
Date Acquired	**14 Jun 2000 4:10 pm**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

6/15/00 2:28 PM

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#14

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.20

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007242.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007229.D**	Sample Name	**5468.12**
Operator	**Skelton**	Field ID	**StreamSite#15**
Date Acquired	**14 Jun 2000 6:31 am**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene	25.51	79199	5.94 ug/L	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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.

SS#15

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.12

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007229.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007227.D**	Sample Name	**5468.10**
Operator	**Skelton**	Field ID	**StreamSite#18**
Date Acquired	**14 Jun 2000 5:10 am**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

6/15/00 2:03 PM

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#18

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007227.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007243.D**	Sample Name	**5468.21**
Operator	**Skelton**	Field ID	**StreamSite#23**
Date Acquired	**14 Jun 2000 4:50 pm**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene	25.51	75082	5.60 ug/L	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

6/15/00 2:28 PM

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS#23**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5468.21

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007243.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. _____ Date Analyzed: 6/14/00

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	**VB007244.D**	Sample Name	**5468.22**
Operator	**Skelton**	Field ID	**StreamSite#24**
Date Acquired	**14 Jun 2000 5:30 pm**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene	25.51	59799	4.72 ug/L	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

6/15/00 2:28 PM

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#24

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.22

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007244.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007246.D**	Sample Name	**5468.24**
Operator	**Skelton**	Field ID	**StreamSite#26**
Date Acquired	**14 Jun 2000 6:50 pm**	Sample Multiplie	**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	0.06	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	5.7*	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
	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	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	72.60	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

6/15/00 2:28 PM

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS#26**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.24

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007246.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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

SALT WATER

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB007201.D**	Sample Name	**Vblk220**
Operator	**Skelton**	Field ID	**Vblk220**
Date Acquired	**13 Jun 2000 11:18 am**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

6/15/00 2:04 PM

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Vblk220**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk220

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007201.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/13/00

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	**VB007235.D**	Sample Name	**Vblk221**
Operator	**Skelton**	Field ID	**Vblk221**
Date Acquired	**14 Jun 2000 11:19 am**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

6/15/00 2:30 PM

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Vblk221**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: Vblk221

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007235.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. _____ Date Analyzed: 6/14/00

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	**VB007218.D**	Sample Name	**5468.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**13 Jun 2000 11:06 pm**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

6/15/00 2:04 PM

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007218.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/13/00

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	**VB007219.D**	Sample Name	**5468.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**13 Jun 2000 11:47 pm**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

6/15/00 2:04 PM

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007219.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/13/00

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	**VB007220.D**	Sample Name	**5468.03**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**14 Jun 2000 12:27 am**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether	12.12	372482	10.66 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97.

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

6/15/00 2:04 PM

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007220.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007238.D**	Sample Name	**5468.16**
Operator	**Skelton**	Field ID	**StreamSite#04**
Date Acquired	**14 Jun 2000 1:31 pm**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	25.51	54980	4.37 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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

6/15/00 2:30 PM

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#04

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5468.16

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007238.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. _____ Date Analyzed: 6/14/00

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	**VB007237.D**	Sample Name	**5468.15**
Operator	**Skelton**	Field ID	**StreamSite#05**
Date Acquired	**14 Jun 2000 12:50 pm**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	25.51	59389	4.38 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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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.

SS#05

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.15

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007237.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007239.D**	Sample Name	**5468.17**
Operator	**Skelton**	Field ID	**StreamSite#07**
Date Acquired	**14 Jun 2000 2:10 pm**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

6/15/00 2:30 PM

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#07

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.17

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007239.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007224.D**	Sample Name	**5468.07**
Operator	**Skelton**	Field ID	**StreamSite#09**
Date Acquired	**14 Jun 2000 3:09 am**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97.

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

6/15/00 2:04 PM

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#09

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007224.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007236.D**	Sample Name	**5468.14**
Operator	**Skelton**	Field ID	**StreamSite#16**
Date Acquired	**14 Jun 2000 12:11 pm**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	25.51	51007	3.74 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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

6/15/00 2:30 PM

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#16

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.14

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007236.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007240.D**	Sample Name	**5468.18**
Operator	**Skelton**	Field ID	**StreamSite#17**
Date Acquired	**14 Jun 2000 2:50 pm**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* 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

6/15/00 2:30 PM

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#17

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.18

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007240.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007225.D**	Sample Name	**5468.08**
Operator	**Skelton**	Field ID	**StreamSite#19**
Date Acquired	**14 Jun 2000 3:49 am**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97.

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

6/15/00 2:04 PM

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#19

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5468.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007225.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. _____ Date Analyzed: 6/14/00

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	**VB007223.D**	Sample Name	**5468.06**
Operator	**Skelton**	Field ID	**StreamSite#20**
Date Acquired	**14 Jun 2000 2:28 am**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether	12.15	210325	6.38 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

6/15/00 2:04 PM

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#20

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007223.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007222.D**	Sample Name	**5468.05**
Operator	**Skelton**	Field ID	**StreamSite#21**
Date Acquired	**14 Jun 2000 1:48 am**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether	12.12	242701	7.17 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

6/15/00 2:04 PM

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS#21**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007222.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007221.D**	Sample Name	**5468.04**
Operator	**Skelton**	Field ID	**StreamSite#22**
Date Acquired	**14 Jun 2000 1:08 am**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether	12.14	352302	10.26 ug/L	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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.

SS#22

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007221.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007245.D**	Sample Name	**5468.23**
Operator	**Skelton**	Field ID	**StreamSite#25**
Date Acquired	**14 Jun 2000 6:10 pm**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

6/15/00 2:30 PM

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#25

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5468.23

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007245.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. _____ Date Analyzed: 6/14/00

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	**VB007248.D**	Sample Name	**5468.26**
Operator	**Skelton**	Field ID	**StreamSite#27**
Date Acquired	**14 Jun 2000 8:10 pm**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

6/15/00 2:30 PM

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS#27**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.26

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007248.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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	**VB007247.D**	Sample Name	**5468.25**
Operator	**Skelton**	Field ID	**StreamSite#28**
Date Acquired	**14 Jun 2000 7:30 pm**	Sample Multiplie	**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	0.67	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	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	
	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

6/15/00 2:30 PM

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS#28**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5468 Location: 2ndQtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5468.25

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007247.D

Level: (low/med) LOW Date Received: 6/12/00

% Moisture: not dec. Date Analyzed: 6/14/00

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

PCB'S

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	PBLK536
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/00
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Dupe
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0640	**ND**
Arochlor 1221	**1**		0.50	0.0500	**ND**
Arochlor 1232	**1**		0.50	0.0500	**ND**
Arochlor 1242	**1**		0.50	0.0280	**ND**
Arochlor 1248	**1**		0.50	0.0500	**ND**
Arochlor 1254	**1**		0.50	0.0500	**ND**
Arochlor 1260	**1**		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #22
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0640	**ND**
Arochlor 1221	**1**		0.50	0.0500	**ND**
Arochlor 1232	**1**		0.50	0.0500	**ND**
Arochlor 1242	**1**		0.50	0.0280	**ND**
Arochlor 1248	**1**		0.50	0.0500	**ND**
Arochlor 1254	**1**		0.50	0.0500	**ND**
Arochlor 1260	**1**		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0640	**ND**
Arochlor 1221	**1**		0.50	0.0500	**ND**
Arochlor 1232	**1**		0.50	0.0500	**ND**
Arochlor 1242	**1**		0.50	0.0280	**ND**
Arochlor 1248	**1**		0.50	0.0500	**ND**
Arochlor 1254	**1**		0.50	0.0500	**ND**
Arochlor 1260	**1**		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #09
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0640	**ND**
Arochlor 1221	**1**		0.50	0.0500	**ND**
Arochlor 1232	**1**		0.50	0.0500	**ND**
Arochlor 1242	**1**		0.50	0.0280	**ND**
Arochlor 1248	**1**		0.50	0.0500	**ND**
Arochlor 1254	**1**		0.50	0.0500	**ND**
Arochlor 1260	**1**		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.08
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.09
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #12
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.10
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #18
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0640	**ND**
Arochlor 1221	**1**		0.50	0.0500	**ND**
Arochlor 1232	**1**		0.50	0.0500	**ND**
Arochlor 1242	**1**		0.50	0.0280	**ND**
Arochlor 1248	**1**		0.50	0.0500	**ND**
Arochlor 1254	**1**		0.50	0.0500	**ND**
Arochlor 1260	**1**		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.11
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #11
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.12
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Streram Site #15
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0640	**ND**
Arochlor 1221	**1**		0.50	0.0500	**ND**
Arochlor 1232	**1**		0.50	0.0500	**ND**
Arochlor 1242	**1**		0.50	0.0280	**ND**
Arochlor 1248	**1**		0.50	0.0500	**ND**
Arochlor 1254	**1**		0.50	0.0500	**ND**
Arochlor 1260	**1**		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.13
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #13
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0640	**ND**
Arochlor 1221	**1**		0.50	0.0500	**ND**
Arochlor 1232	**1**		0.50	0.0500	**ND**
Arochlor 1242	**1**		0.50	0.0280	**ND**
Arochlor 1248	**1**		0.50	0.0500	**ND**
Arochlor 1254	**1**		0.50	0.0500	**ND**
Arochlor 1260	**1**		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.14
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #16
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0640	**ND**
Arochlor 1221	**1**		0.50	0.0500	**ND**
Arochlor 1232	**1**		0.50	0.0500	**ND**
Arochlor 1242	**1**		0.50	0.0280	**ND**
Arochlor 1248	**1**		0.50	0.0500	**ND**
Arochlor 1254	**1**		0.50	0.0500	**ND**
Arochlor 1260	**1**		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.15
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #5
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0640	**ND**
Arochlor 1221	**1**		0.50	0.0500	**ND**
Arochlor 1232	**1**		0.50	0.0500	**ND**
Arochlor 1242	**1**		0.50	0.0280	**ND**
Arochlor 1248	**1**		0.50	0.0500	**ND**
Arochlor 1254	**1**		0.50	0.0500	**ND**
Arochlor 1260	**1**		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.16
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/15/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #4
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0640	**ND**
Arochlor 1221	**1**		0.50	0.0500	**ND**
Arochlor 1232	**1**		0.50	0.0500	**ND**
Arochlor 1242	**1**		0.50	0.0280	**ND**
Arochlor 1248	**1**		0.50	0.0500	**ND**
Arochlor 1254	**1**		0.50	0.0500	**ND**
Arochlor 1260	**1**		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.17
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/15/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #7
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.18
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/15/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #17
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.19
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/15/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #3
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0640	**ND**
Arochlor 1221	**1**		0.50	0.0500	**ND**
Arochlor 1232	**1**		0.50	0.0500	**ND**
Arochlor 1242	**1**		0.50	0.0280	**ND**
Arochlor 1248	**1**		0.50	0.0500	**ND**
Arochlor 1254	**1**		0.50	0.0500	**ND**
Arochlor 1260	**1**		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.20
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/15/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #14
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.21
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/15/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #23
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0640	**ND**
Arochlor 1221	**1**		0.50	0.0500	**ND**
Arochlor 1232	**1**		0.50	0.0500	**ND**
Arochlor 1242	**1**		0.50	0.0280	**ND**
Arochlor 1248	**1**		0.50	0.0500	**ND**
Arochlor 1254	**1**		0.50	0.0500	**ND**
Arochlor 1260	**1**		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.22
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/15/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #24
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.23
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/15/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #25
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0640	**ND**
Arochlor 1221	**1**		0.50	0.0500	**ND**
Arochlor 1232	**1**		0.50	0.0500	**ND**
Arochlor 1242	**1**		0.50	0.0280	**ND**
Arochlor 1248	**1**		0.50	0.0500	**ND**
Arochlor 1254	**1**		0.50	0.0500	**ND**
Arochlor 1260	**1**		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.24
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/15/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #26
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0640	**ND**
Arochlor 1221	**1**		0.50	0.0500	**ND**
Arochlor 1232	**1**		0.50	0.0500	**ND**
Arochlor 1242	**1**		0.50	0.0280	**ND**
Arochlor 1248	**1**		0.50	0.0500	**ND**
Arochlor 1254	**1**		0.50	0.0500	**ND**
Arochlor 1260	**1**		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.25
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/15/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #28
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0640	**ND**
Arochlor 1221	**1**		0.50	0.0500	**ND**
Arochlor 1232	**1**		0.50	0.0500	**ND**
Arochlor 1242	**1**		0.50	0.0280	**ND**
Arochlor 1248	**1**		0.50	0.0500	**ND**
Arochlor 1254	**1**		0.50	0.0500	**ND**
Arochlor 1260	**1**		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5468.26
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/12/00
	Bldg. 173	**Extraction Date:**	6/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/15/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Stream Site #27
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0640	**ND**
Arochlor 1221	**1**		0.50	0.0500	**ND**
Arochlor 1232	**1**		0.50	0.0500	**ND**
Arochlor 1242	**1**		0.50	0.0280	**ND**
Arochlor 1248	**1**		0.50	0.0500	**ND**
Arochlor 1254	**1**		0.50	0.0500	**ND**
Arochlor 1260	**1**		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

WET CHEMISTRY

Stream Water Analysis

June 2000

Sample ID	Date Sampled	Stream Site#	Temp °C	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphates (mg/L)	Sulfates (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
5468.04	06/12/00	22	27.9	7.83	0.645	0.3	ND	1700	6.88	380	80	18
5468.05	06/12/00	21	28.8	7.81	ND	0.3	ND	1700	6.99	520	40	19
5468.06	06/12/00	20	27.5	7.82	ND	0.4	ND	1350	7.11	1380	260	18
5468.07	06/12/00	09	25.3	7.71	ND	0.6	ND	86	7.32	6600	680	1
5468.08	06/12/00	19	25.7	6.87	ND	0.7	ND	20	7.41	880	480	0
5468.09	06/12/00	12	26.6	7.94	ND	0.6	ND	20	6.41	1340	280	0
5468.10	06/12/00	18	26.4	7.41	ND	0.8	ND	18	6.37	920	220	0
5468.11	06/12/00	11	20.5	6.96	ND	1.6	ND	23	7.21	1800	1060	0
5468.12	06/12/00	15	24.2	6.84	ND	0.9	ND	30	7.31	920	380	0
5468.13	06/12/00	13	22.1	6.77	ND	0.8	ND	29	7.37	820	240	0
5468.14	06/12/00	16	25.9	6.78	ND	0.9	ND	29	6.71	920	580	0
5468.15	06/12/00	05	26.3	6.72	ND	0.8	ND	47	6.67	2100	580	1
5468.16	06/12/00	04	26.8	6.75	ND	0.6	ND	120	6.65	1160	860	2
5468.17	06/12/00	07	27.1	6.86	ND	0.3	ND	200	6.69	6800	1480	4
5468.18	06/12/00	17	25.1	7.10	ND	0.4	ND	49	6.71	1380	940	0
5468.19	06/12/00	03	23.2	7.18	ND	0.5	ND	30	6.99	1560	960	0
5468.20	06/12/00	14	23.1	6.97	ND	0.6	ND	27	7.21	1720	920	0
5468.21	06/12/00	23	24.9	6.82	ND	0.8	ND	30	7.21	720	200	0
5468.22	06/12/00	24	24.3	6.52	0.329	0.9	ND	15	7.33	1020	460	0
5468.23	06/12/00	25	25.2	7.06	ND	0.2	ND	20	6.81	1340	640	1
5468.24	06/12/00	26	23.4	7.15	ND	0.6	ND	31	6.53	1720	760	0
5468.25	06/12/00	28	26.8	6.81	ND	0.3	ND	130	6.66	12300	920	3
5468.26	06/12/00	27	27.1	6.91	ND	0.2	ND	250	6.51	6300	1400	5

mg/L = parts per million
cfu = colony forming units
ND = Not Detected

Completed:06/16/00
Reviewed: 06/16/00

Daniel K. Wright

Laboratory Director

LTM

	Lab	Methylene Chloride	Tetrachloroethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	1600	4.29
04/08/1997	FMETL	2.00	ND
07/17/1997	FMETL	ND	ND
10/30/1997	FMETL	ND	ND
02/10/1998	FMETL	ND	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	ND	ND
11/18/1998	FMETL	ND	1.09
02/25/1999	FMETL	ND	ND
06/29/1999	FMETL	ND	ND
09/22/1999	FMETL	ND	ND
12/09/1999	FMETL	ND	ND
03/01/2000	FMETL	ND	ND
06/12/2000	FMETL	ND	ND

SOURCE: 3

Sampling Dates:
04/08/1997 - 06/12/2000

NOTES:

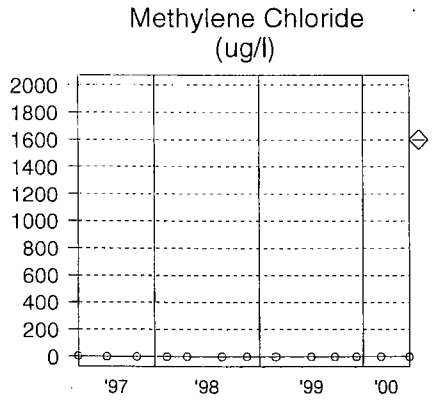
Stream 3 is Fresh-Water.
MeCl limit is 2.49 ug/L.
PCE limit is 0.388 ug/L.

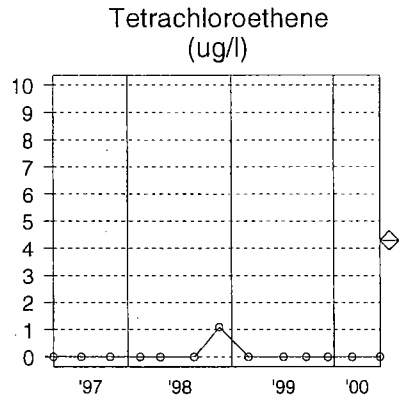
Fort Monmouth

GW Monitoring
Streams

Well 1 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 3

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 1 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	-
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

SOURCE: 4

Sampling Dates:
04/08/1997 - 06/12/2000

NOTES:

PAGE 1 OF 1
Stream 4 is Salt-Water.
MTBE limit is NLE
cis-1,2-Di limit isNLE
TCE limit is 81
PCE limit is 4.29

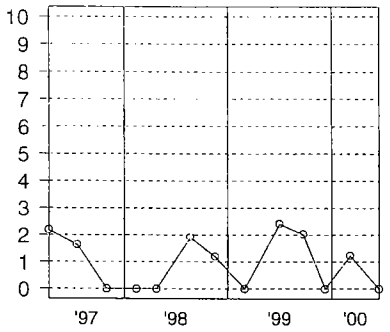
Fort Monmouth

GW Monitoring
Streams

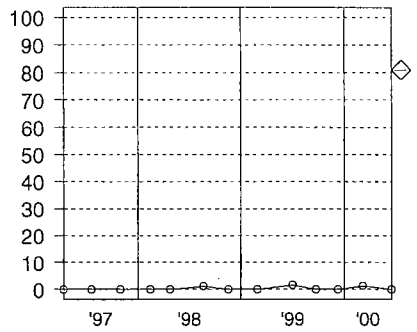
Well 2 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

cis-1,2-Dichloroethene
(ug/l)

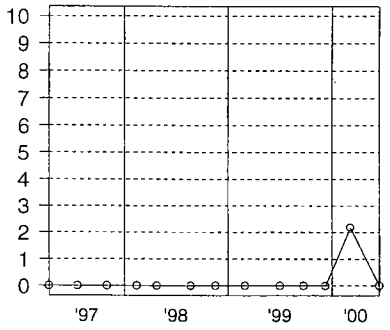


Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)

Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 4

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 2 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	1600	-	81	4.29	-
04/08/1997	FMETL	1.96	1.80	ND	2.28	ND
07/17/1997	FMETL	ND	3.66	ND	3.54	ND
10/30/1997	FMETL	ND	1.83	ND	1.70	ND
02/10/1998	FMETL	ND	ND	ND	6.34	ND
04/21/1998	FMETL	ND	ND	ND	4.48	ND
08/19/1998	FMETL	ND	2.28	1.27	3.39	ND
11/17/1998	FMETL	ND	1.67	ND	2.17	ND
02/25/1999	FMETL	ND	ND	ND	5.45	ND
06/29/1999	FMETL	ND	2.74	1.74	6.04	ND
09/22/1999	FMETL	ND	1.96	ND	1.82	ND
12/09/1999	FMETL	ND	1.60	ND	3.82	ND
03/01/2000	FMETL	ND	1.27	1.36	6.62	2.34
06/12/2000	FMETL	ND	ND	ND	4.38	ND

SOURCE: 5

Sampling Dates:
04/08/1997 - 06/12/2000

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.

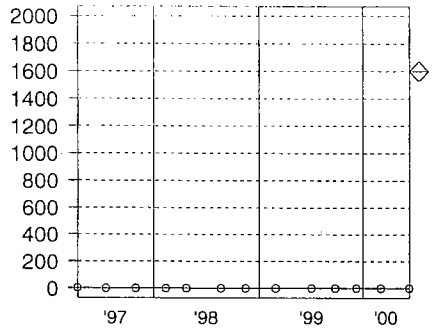
Fort Monmouth

GW Monitoring
Streams

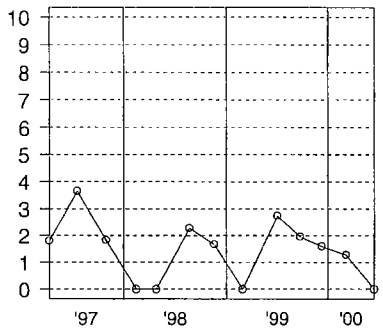
Well 3 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

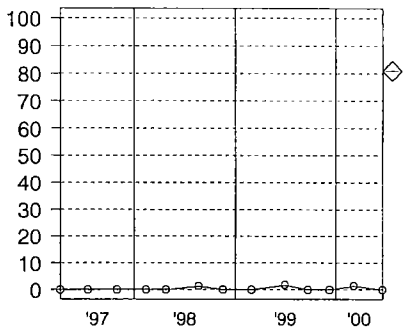
Methylene Chloride
(ug/l)



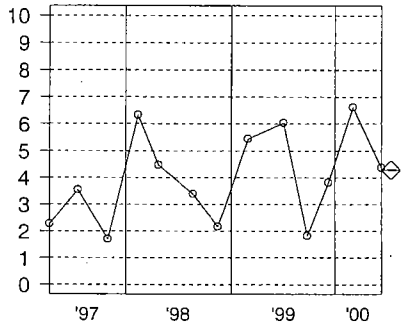
cis-1,2-Dichloroethene
(ug/l)



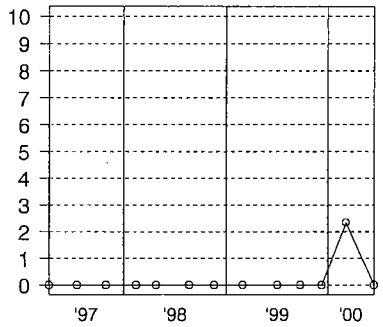
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 5

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 3 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	-	-
04/08/1997	FMETL	ND	ND	ND	ND	ND
07/17/1997	FMETL	1.14	ND	1.08	ND	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	2.04	ND	ND
04/21/1998	FMETL	ND	ND	2.40	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND
11/17/1998	FMETL	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	ND	2.85	ND	ND
06/29/1999	FMETL	ND	ND	1.42	2.94	2.00
09/22/1999	FMETL	ND	ND	ND	ND	ND
12/09/1999	FMETL	ND	ND	ND	ND	ND
03/01/2000	FMETL	1.19	1.30	6.47	ND	2.14
06/12/2000	FMETL	ND	ND	ND	ND	ND

SOURCE: 7

Sampling Dates:
04/08/1997 - 06/12/2000

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.

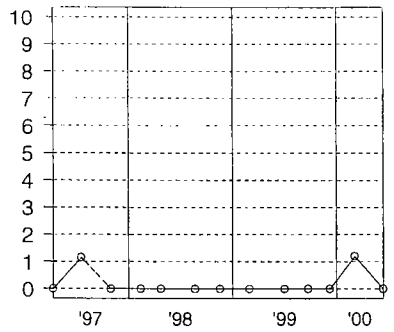
Fort Monmouth

GW Monitoring
Streams

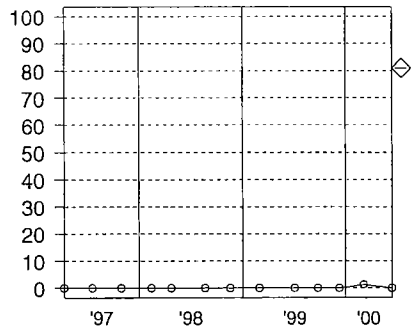
Well 4 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

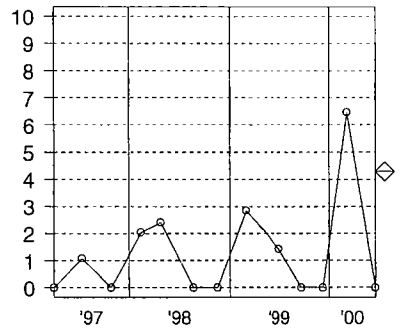
cis-1,2-Dichloroethene
(ug/l)



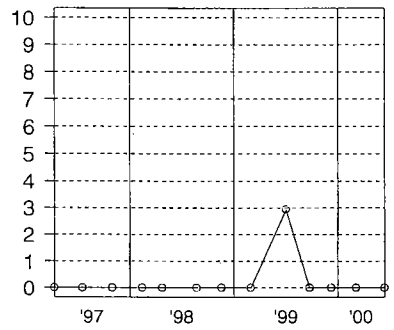
Trichloroethene
(ug/l)



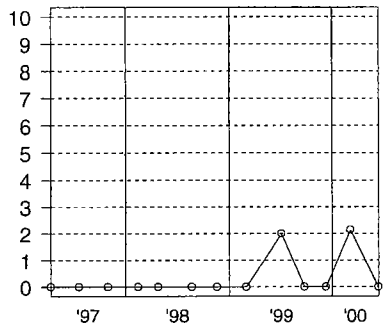
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 7

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 4 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Acetone
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	1600	-	-
04/08/1997	FMETL	1.82	2.78	ND
07/17/1997	FMETL	ND	ND	ND
10/30/1997	FMETL	ND	2.14	ND
02/10/1998	FMETL	ND	6.00	ND
04/21/1998	FMETL	ND	4.73	ND
08/19/1998	FMETL	ND	1.69	ND
11/17/1998	FMETL	ND	ND	ND
02/25/1999	FMETL	ND	1.78	ND
06/29/1999	FMETL	ND	ND	2.50
09/21/1999	FMETL	ND	1.91	ND
12/09/1999	FMETL	ND	ND	25.08
03/01/2000	FMETL	ND	2.17	ND
06/12/2000	FMETL	ND	ND	ND

SOURCE: 9

Sampling Dates:
04/08/1997 - 06/12/2000

NOTES:

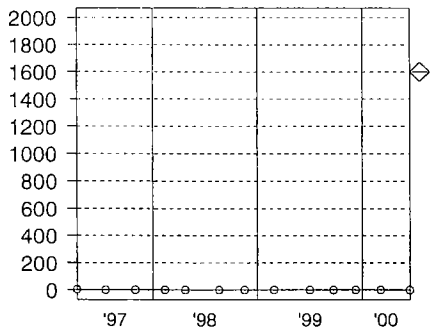
PAGE 1 OF 1
Stream 9 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

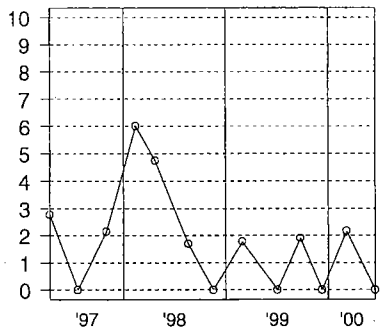
Fort Monmouth

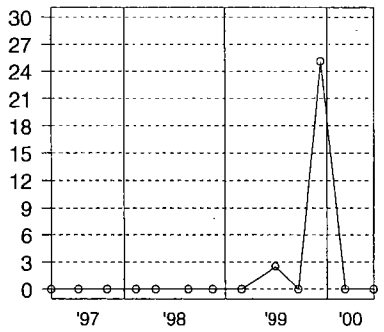
GW Monitoring
Streams

Well 5 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 9

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 5 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	-
04/08/1997	FMETL	18.72	1.58	ND
07/17/1997	FMETL	14.13	ND	ND
10/30/1997	FMETL	18.23	ND	ND
02/10/1998	FMETL	24.71	2.14	ND
04/21/1998	FMETL	21.66	1.82	ND
08/19/1998	FMETL	11.73	ND	ND
11/18/1998	FMETL	8.82	ND	ND
02/25/1999	FMETL	9.11	ND	ND
06/29/1999	FMETL	5.77	ND	ND
09/21/1999	FMETL	15.62	ND	ND
12/09/1999	FMETL	11.90	ND	ND
03/01/2000	FMETL	11.01	ND	1.64
06/12/2000	FMETL	8.03	ND	ND

SOURCE: 11

Sampling Dates:
04/08/1997 - 06/12/2000

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

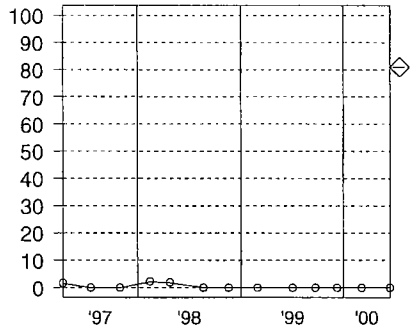
GW Monitoring
Streams

Well 6 of 17

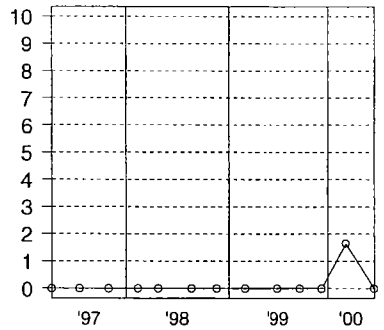
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

cis-1,2-Dichloroethene
(ug/l)

Trichloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 11

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 6 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Acetone
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	-	-
04/08/1997	FMETL	6.63	ND
07/17/1997	FMETL	ND	ND
10/30/1997	FMETL	5.67	ND
02/10/1998	FMETL	6.54	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	4.58	ND
11/18/1998	FMETL	2.48	ND
02/25/1999	FMETL	1.80	ND
06/29/1999	FMETL	1.39	ND
09/21/1999	FMETL	3.67	9.54
12/09/1999	FMETL	2.74	ND
03/01/2000	FMETL	3.13	ND
06/12/2000	FMETL	ND	ND

SOURCE: 12

Sampling Dates:
04/08/1997 - 06/12/2000

NOTES:

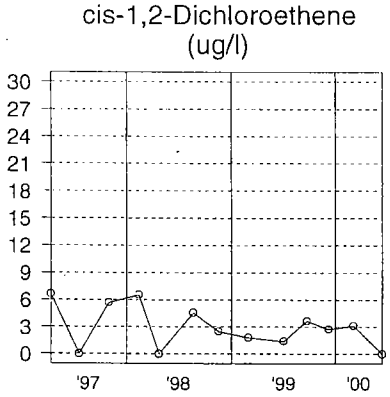
PAGE 1 OF 1
Stream 12 is Fresh-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

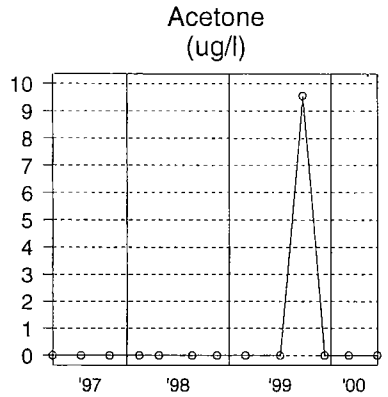
Fort Monmouth

GW Monitoring
Streams

Well 7 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 12

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 7 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	-	-
04/08/1997	FMETL	ND	ND	ND	2.81	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND
11/18/1998	FMETL	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	ND	ND
09/22/1999	FMETL	ND	ND	ND	ND	ND
12/09/1999	FMETL	ND	ND	3.94	ND	ND
03/01/2000	FMETL	1.35	1.40	6.92	ND	2.40
06/12/2000	FMETL	ND	ND	5.56	ND	ND

SOURCE: 13

Sampling Dates:
04/08/1997 - 06/12/2000

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.

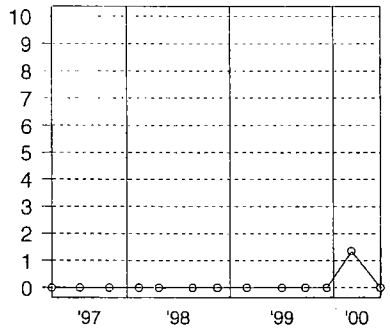
Fort Monmouth

GW Monitoring
Streams

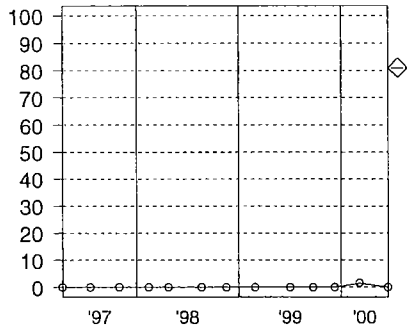
Well 8 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

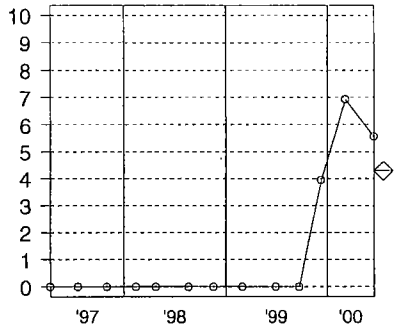
cis-1,2-Dichloroethene
(ug/l)



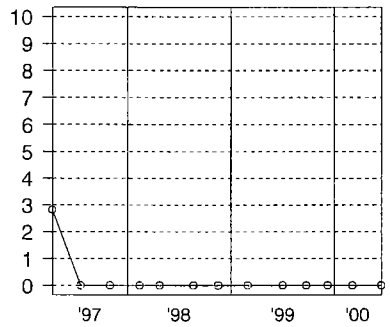
Trichloroethene
(ug/l)



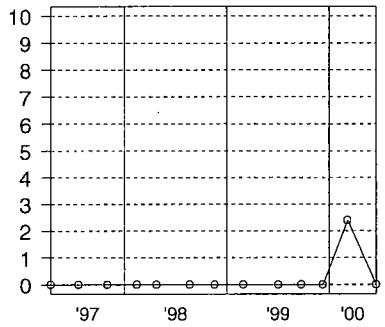
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 13

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 8 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Acetone
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	-
04/08/1997	FMETL	ND	ND	3.94
07/17/1997	FMETL	ND	ND	ND
10/30/1997	FMETL	1.59	1.75	ND
02/10/1998	FMETL	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND
11/18/1998	FMETL	ND	ND	3.32
02/25/1999	FMETL	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND
09/22/1999	FMETL	ND	ND	ND
12/09/1999	FMETL	11.26	ND	ND
03/01/2000	FMETL	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND

SOURCE: 14

Sampling Dates:
04/08/1997 - 06/12/2000

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.

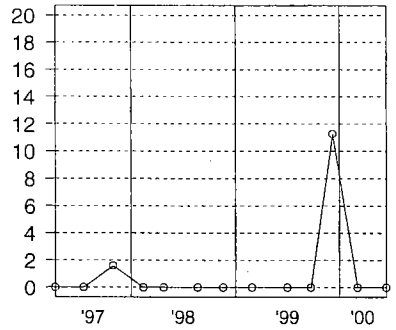
Fort Monmouth

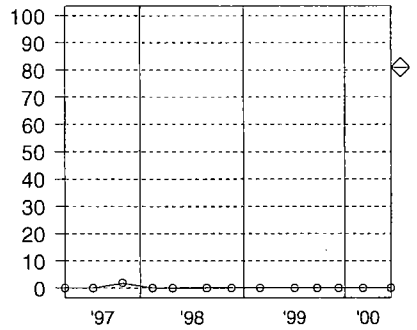
GW Monitoring
Streams

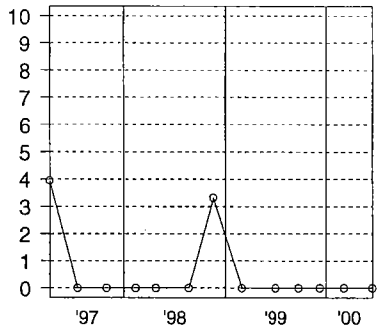
Well 9 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 14

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 9 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	-
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

SOURCE: 15

Sampling Dates:
04/08/1997 - 06/12/2000

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.

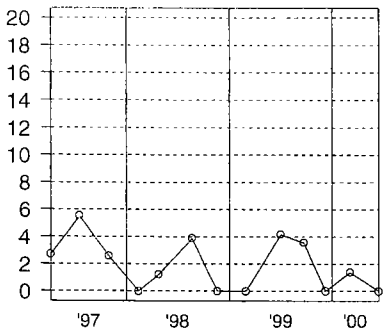
Fort Monmouth

GW Monitoring
Streams

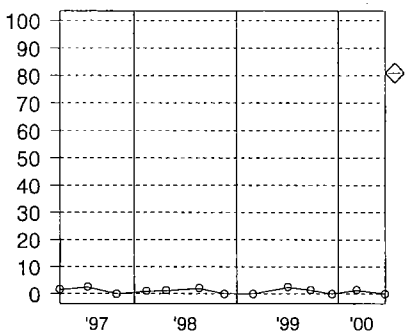
Well 10 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

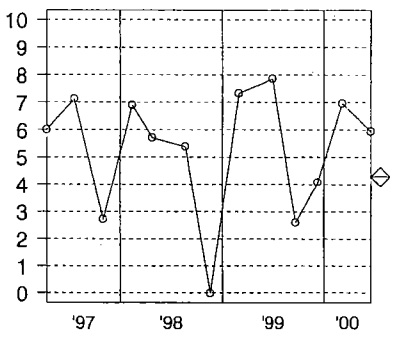
cis-1,2-Dichloroethene
(ug/l)



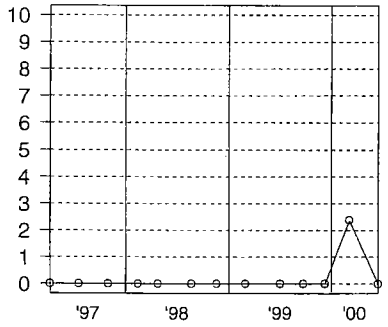
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 15

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 10 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	-
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

SOURCE: 16

Sampling Dates:
04/08/1997 - 06/12/2000

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.

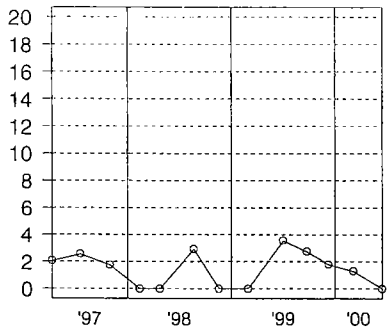
Fort Monmouth

GW Monitoring
Streams

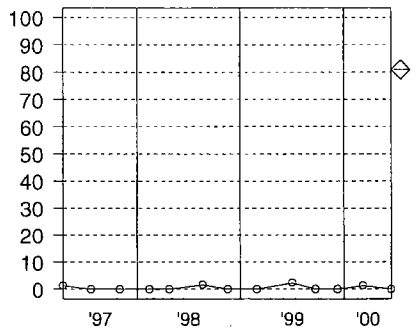
Well 11 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

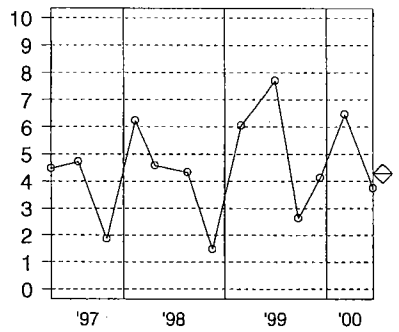
cis-1,2-Dichloroethene
(ug/l)



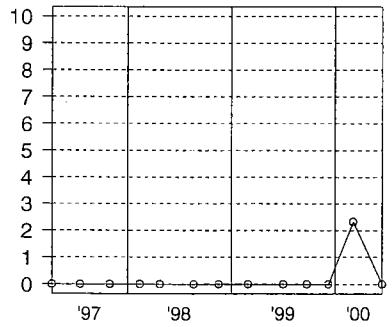
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 16

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 11 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Chloro benzene
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	-	21000
04/08/1997	FMETL	ND	ND	ND	1.97	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	ND	1.59
04/21/1998	FMETL	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND
11/18/1998	FMETL	4.43	2.12	5.09	ND	ND
02/25/1999	FMETL	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	ND	ND
09/22/1999	FMETL	1.09	ND	ND	ND	ND
12/09/1999	FMETL	ND	ND	ND	ND	ND
03/01/2000	FMETL	ND	ND	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND	ND	ND

SOURCE: 17

Sampling Dates:
04/08/1997 - 06/12/2000

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.

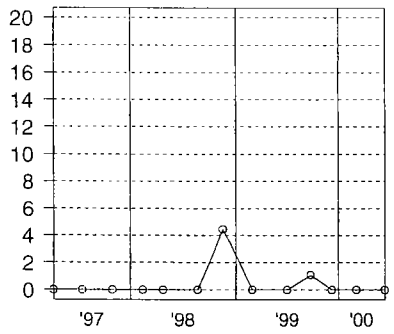
Fort Monmouth

GW Monitoring
Streams

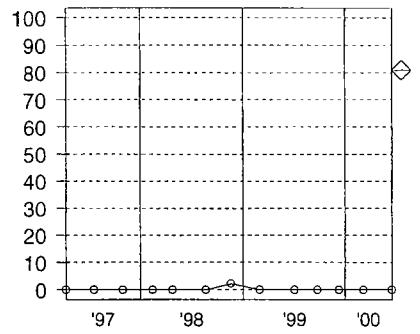
Well 12 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

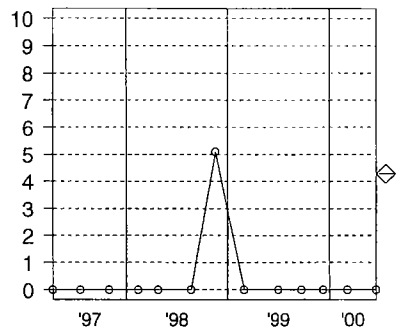
cis-1,2-Dichloroethene
(ug/l)



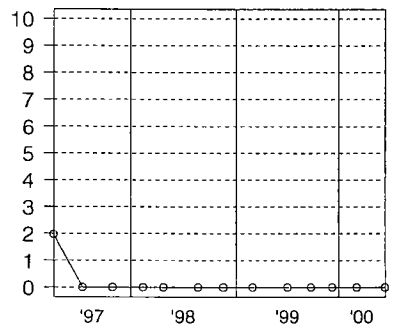
Trichloroethene
(ug/l)



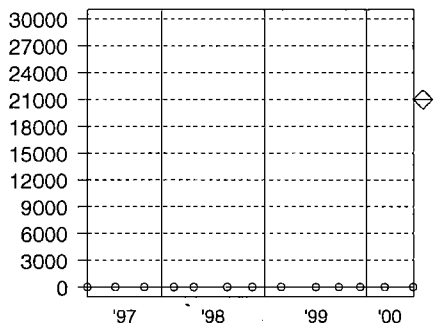
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



Chlorobenzene
(ug/l)



SOURCE: 17

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 12 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Chloro benzene
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	-	21000
04/08/1997	FMETL	ND	ND	ND	ND	ND
07/17/1997	FMETL	1.06	ND	ND	ND	ND
10/30/1997	FMETL	5.87	ND	ND	ND	ND
02/10/1998	FMETL	14.36	ND	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND	ND	ND
08/19/1998	FMETL	4.65	ND	ND	ND	ND
11/18/1998	FMETL	3.18	ND	ND	ND	ND
02/25/1999	FMETL	3.95	ND	ND	ND	ND
06/29/1999	FMETL	1.47	ND	ND	ND	ND
09/21/1999	FMETL	4.67	ND	ND	ND	ND
12/09/1999	FMETL	4.90	ND	ND	ND	ND
03/01/2000	FMETL	5.57	ND	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND	ND	ND

SOURCE: 18

Sampling Dates:
04/08/1997 - 06/12/2000

NOTES:

PAGE 1 OF 1
Stream 18 is Fresh-Water.
cis-1,2-Di limit is NLE.

Fort Monmouth

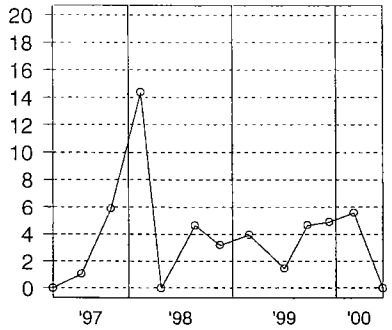
GW Monitoring
Streams

Well 13 of 17

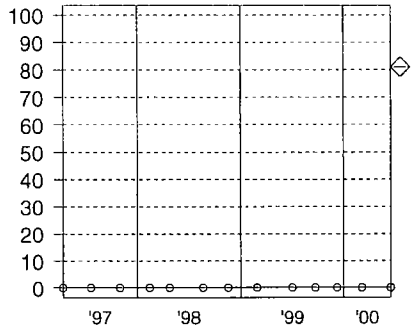
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

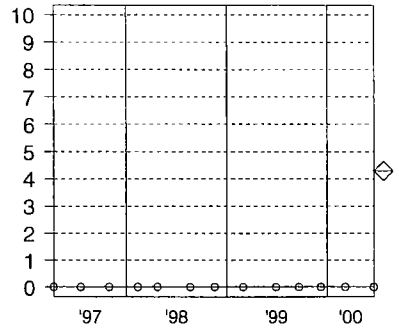
cis-1,2-Dichloroethene
(ug/l)



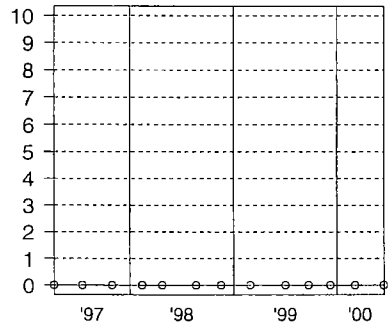
Trichloroethene
(ug/l)



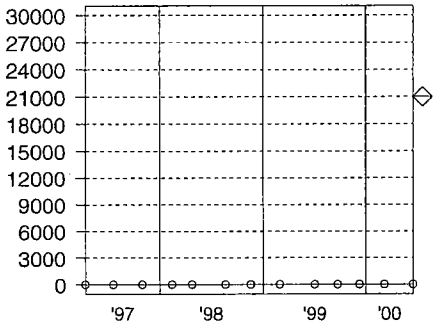
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



Chlorobenzene
(ug/l)



SOURCE: 18

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 13 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Chloro benzene
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	-	21000
04/08/1997	FMETL	6.44	ND	ND	ND	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND
10/30/1997	FMETL	4.69	ND	ND	ND	ND
02/10/1998	FMETL	8.22	ND	ND	ND	ND
04/21/1998	FMETL	6.86	ND	ND	ND	ND
08/19/1998	FMETL	2.95	ND	ND	ND	ND
11/17/1998	FMETL	2.3	ND	ND	ND	ND
02/25/1999	FMETL	2.30	ND	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	ND	ND
09/21/1999	FMETL	3.53	ND	ND	ND	ND
12/09/1999	FMETL	2.60	ND	ND	ND	ND
03/01/2000	FMETL	2.92	ND	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND	ND	ND

SOURCE: 19

Sampling Dates:
04/08/1997 - 06/12/2000

NOTES:

PAGE 1 OF 1
Stream 19 is Salt-Water.
cis-1,2-Di limit is NLE.

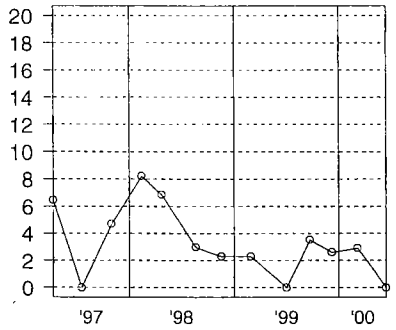
Fort Monmouth

GW Monitoring
Streams

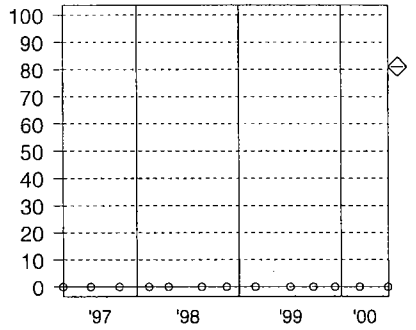
Well 14 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

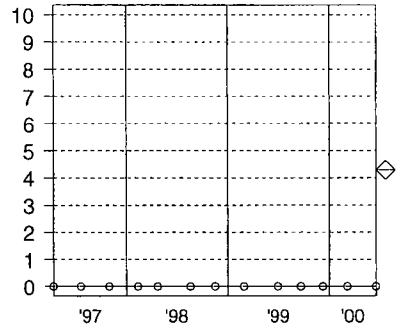
cis-1,2-Dichloroethene
(ug/l)



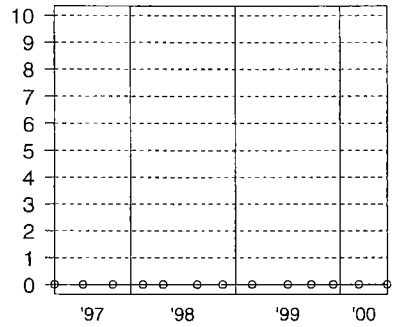
Trichloroethene
(ug/l)



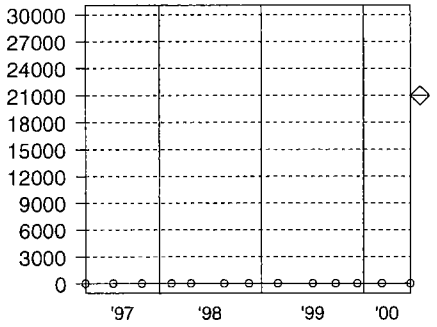
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



Chlorobenzene
(ug/l)



SOURCE: 19

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 14 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Ethyl benzene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	27900	-
04/08/1997	FMETL	2.18	ND
07/17/1997	FMETL	ND	2.63
10/30/1997	FMETL	ND	ND
02/10/1998	FMETL	ND	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	ND	4.85
11/17/1998	FMETL	ND	ND
02/25/1999	FMETL	ND	ND
06/29/1999	FMETL	ND	5.70
09/21/1999	FMETL	ND	2.10
12/09/1999	FMETL	ND	ND
03/01/2000	FMETL	ND	ND
06/12/2000	FMETL	ND	6.38

SOURCE: 20

Sampling Dates:
04/08/1997 - 06/12/2000

NOTES:

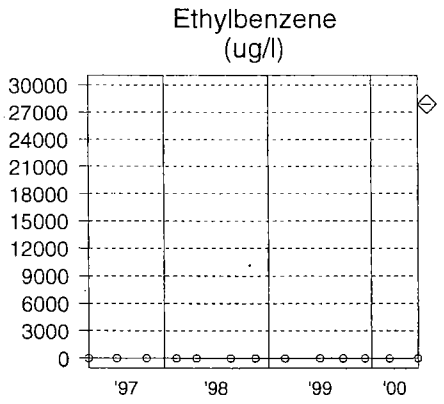
PAGE 1 OF 1
Stream20 is Salt-Water.
Ethylben limit is 27900 ug/L.
MTBE limit is NLE.

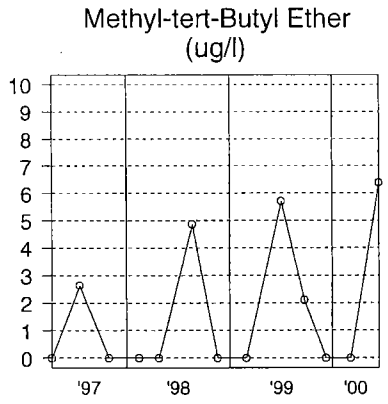
Fort Monmouth

GW Monitoring
Streams

Well 15 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 20

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 15 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	-	-
04/08/1997	FMETL	ND	ND	ND
07/17/1997	FMETL	ND	ND	2.90
10/30/1997	FMETL	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND
08/19/1998	FMETL	ND	ND	4.71
11/17/1998	FMETL	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND
06/29/1999	FMETL	ND	ND	7.40
09/21/1999	FMETL	1.17	ND	2.24
12/09/1999	FMETL	ND	27.52	ND
03/01/2000	FMETL	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND

SOURCE: 21

Sampling Dates:
04/08/1997 - 06/12/2000

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.

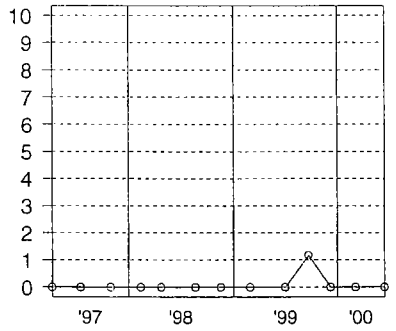
Fort Monmouth

GW Monitoring
Streams

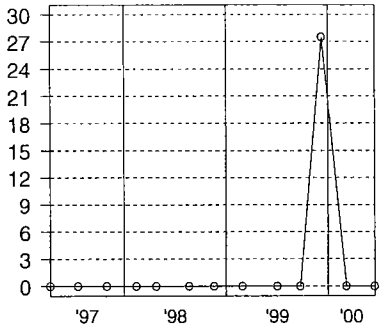
Well 16 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

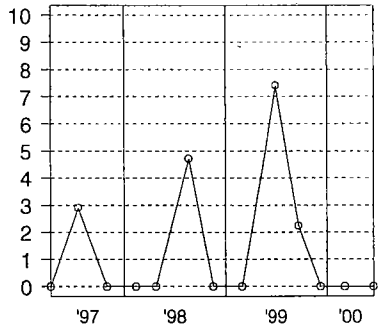
cis-1,2-Dichloroethene
(ug/l)



Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 21

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 16 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	-	-
04/08/1997	FMETL	ND	ND
07/17/1997	FMETL	ND	4.26
10/30/1997	FMETL	ND	ND
02/10/1998	FMETL	ND	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	ND	4.50
11/17/1998	FMETL	ND	ND
02/25/1999	FMETL	ND	ND
06/29/1999	FMETL	ND	8.30
09/21/1999	FMETL	ND	0.82
12/09/1999	FMETL	32.77	ND
03/01/2000	FMETL	ND	ND
06/12/2000	FMETL	ND	10.26
06/12/2000D	FMETL	ND	10.66

SOURCE: 22

Sampling Dates:
04/08/1997 - 06/12/2000

NOTES:

PAGE 1 OF 1
Stream 22 is Salt-Water.
Acetone limit is NLE.
MTBE limit is NLE.

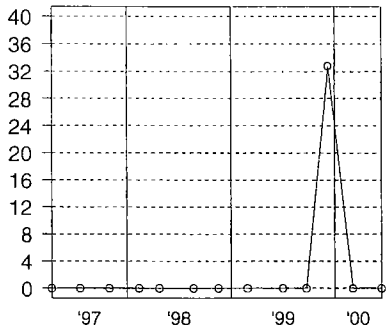
Fort Monmouth

GW Monitoring
Streams

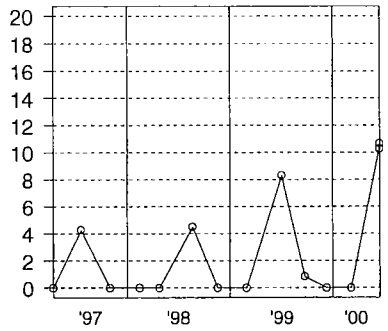
Well 17 of 17

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 22

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 17 of 17, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Tetrachloroethene
Units:	-	ug/l
NJDEP Criteria:	-	4.29
06/12/2000	FMETL	5.60

SOURCE: 23

Sampling Dates:
06/12/2000 - 06/12/2000

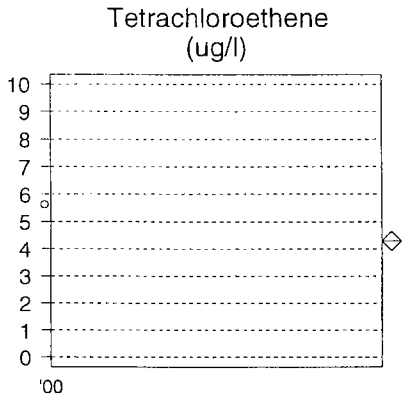
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 18 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 23

Sampling Dates:
06/12/2000 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 18 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Tetrachloroethene
Units:	-	ug/l
NJDEP Criteria:	-	4.29
06/12/2000	FMETL	4.72

SOURCE: 24

Sampling Dates:
06/12/2000 - 06/12/2000

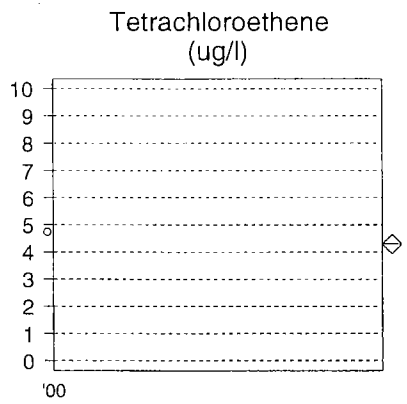
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 19 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 24

Sampling Dates:
06/12/2000 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 19 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-19-2000 x:\mtech46\fm\streams\gw\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: 3rd QTR Stream

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site #22	5658.04	Aqueous	24-Aug-00 09:10	08/24/00
Stream Site #21	5658.05	Aqueous	24-Aug-00 09:17	08/24/00
Stream Site #20	5658.06	Aqueous	24-Aug-00 09:27	08/24/00
Stream Site #09	5658.07	Aqueous	24-Aug-00 09:39	08/24/00
Stream Site #19	5658.08	Aqueous	24-Aug-00 09:49	08/24/00
Stream Site #12	5658.09	Aqueous	24-Aug-00 09:59	08/24/00
Stream Site #18	5658.10	Aqueous	24-Aug-00 10:09	08/24/00
Stream Site #11	5658.11	Aqueous	24-Aug-00 10:18	08/24/00
Stream Site #15	5658.12	Aqueous	24-Aug-00 10:37	08/24/00
Stream Site #13	5658.13	Aqueous	24-Aug-00 10:49	08/24/00
Stream Site #16	5658.14	Aqueous	24-Aug-00 10:58	08/24/00
Stream Site #05	5658.15	Aqueous	24-Aug-00 12:10	08/24/00
Stream Site #04	5658.16	Aqueous	24-Aug-00 11:59	08/24/00
Stream Site #07	5658.17	Aqueous	24-Aug-00 11:37	08/24/00
Stream Site #17	5658.18	Aqueous	24-Aug-00 12:28	08/24/00
Stream Site #03	5658.19	Aqueous	24-Aug-00 12:48	08/24/00
Stream Site #14	5658.20	Aqueous	24-Aug-00 12:59	08/24/00
Stream Site #23	5658.21	Aqueous	24-Aug-00 10:27	08/24/00
Stream Site #24	5658.22	Aqueous	24-Aug-00 11:10	08/24/00
Stream Site #25	5658.23	Aqueous	24-Aug-00 12:19	08/24/00
Stream Site #26	5658.24	Aqueous	24-Aug-00 12:37	08/24/00
Stream Site #28	5658.25	Aqueous	24-Aug-00 11:49	08/24/00
Stream Site #27	5658.26	Aqueous	24-Aug-00 11:25	08/24/00

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, PCB's, WET CHEMISTRY

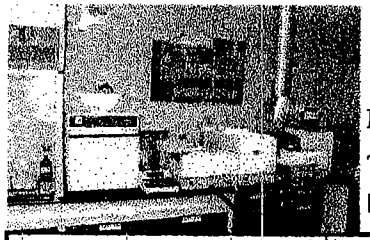
9-29-00

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

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 #: X26223
( )DERA ( )OMA ( )Other:

Project No:
Location: Streams 3rd Qtr 00

Samplers Name / Company: Corey McCormick, TVS

Comments: HCL/H_2SO_4/<4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: Volts	NH_3/NO_3	PO_4/SO_4	Total Coli.	PCB's	pH (SU)	Temp (°C)	Dissld O_2	Remarks / Preservation Method: Salinity d^{20}_{20}	Salinity ‰
Set 58 .01	Trip	8/24/00	~~0900~~ 0730	AQ	2	✓					—	—	—		
.02	Field Blank		0900		5	✓	✓	✓	~~CHL~~	✓	—	—	—		
.03	Dupe		—		6	✓	✓	✓	✓	✓	—	—	—		
.04	Stream Site #22		0910		6	✓	✓	✓	✓	✓	6.88	23.5	6.71	1.012	17.0
.05	#21		0917			✓	✓	✓	✓	✓	7.21	23.4	6.51	1.009	13.0
.06	#20		0927			✓	✓	✓	✓	✓	7.23	23.4	7.23	1.009	13.0
.07	#09		0939			✓	✓	✓	✓	✓	7.67	22.9	8.41	1.001	2.0
.08	#19		0949			✓	✓	✓	✓	✓	8.07	21.7	8.71	1.000	0.0
.09	#12		0959			✓	✓	✓	✓	✓	7.79	22.2	7.43	1.000	0.0
.10	#18		1009			✓	✓	✓	✓	✓	7.75	22.4	8.11	1.000	0.0
.11	#11 ★		1018			✓	✓	✓	✓	✓	7.19	19.4	8.23	1.000	0.0
.12	#15		1037			✓	✓	✓	✓	✓	7.28	21.2	8.71	1.000	0.0 cloudy
.13	#13		1049			✓	✓	✓	✓	✓	7.21	19.9	9.21	1.000	0.0 cloudy
.14	#16		1058			✓	✓	✓	✓	✓	6.33	20.2	6.21	1.000	0.0

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormick	8/24/00 1300	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-> D

• 8.25.00 D.C. .02 – .15 Extracted

print legibly

Coc xls 8/16/00

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. Fallow
Phone #: X 26223
( )DERA ( )OMA ( )Other:_____
Project No:
Location: Streams 3rd Qtr '00
Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VO + 15 | NH_3/NO_3 | PO_4/SO_4 | Total Coli: | PCB's | pH S.U. | Temp °C | Dissolved O_2

Comments: HCL/H_2SO_4/Cool

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VO+15	NH_3/NO_3	PO_4/SO_4	Total Coli:	PCB's	pH S.U.	Temp °C	Dissolved O_2	Remarks / Preservation Method	
5605815	Stream Site #5	8/24/00	1210	AQ	6	✓	✓	✓	✓	✓	7.25	22.7	7.21	1.000	1.0
.16	#4		1159			✓	✓	✓	✓	✓	7.27	23.0	7.35	1.001	2.0
.17	#7		1137			✓	✓	✓	✓	✓	6.84	24.4	7.41	1.001	2.0
.18	#17		1228			✓	✓	✓	✓	✓	7.24	22.1	7.20	1.000	0.0
.19	#3		1248			✓	✓	✓	✓	✓	7.23	20.7	8.68	1.000	0.0
.20	#14		1259			✓	✓	✓	✓	✓	7.37	19.5	9.23	1.00	0.0
.21	#23		1027			✓	✓	✓	✓	✓	7.26	21.3	6.23	1.000	0.0 very cloudy
.22	#24		1110			✓	✓	✓	✓	✓	6.31	20.5	8.01	1.000	0.0
.23	#25		1219			✓	✓	✓	✓	✓	7.21	22.6	7.91	1.000	1.0
.24	#26		1237			✓	✓	✓	✓	✓	7.22	20.9	8.21	1.000	0.0
.25	#28		1149			✓	✓	✓	✓	✓	7.29	23.2	7.17	1.001	2.0
.26	#27	↓	1125	↓	↓	✓	✓	✓	✓	✓	6.81	24.7	7.23	1.002	3.0

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	8/24/00 1300	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→O

print legibly

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 is in Both Sample and Blank
D	: Results are from a Dilution of the Sample
U	: Compound Searched for but not Detected
E	: Compound Exceeds Calibration Limit

FRESH WATER

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	**VC003638.D**	Sample Name	**Vblk103**
Operator	**Skelton**	Field ID	**Vblk103**
Date Aquired	**5-Sep-00**	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	
75-34-3	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	
156594	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

9/21/00 2:07 PM

D:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Vblk103**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk103

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003638.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003642.D**	Sample Name	**5658.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**5-Sep-00**	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	9.02	317863	11.27 ug/L	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	
75-34-3	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	
156594	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

Lab ID.

Trip Blank

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003642.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003643.D**	Sample Name	**5658.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**5-Sep-00**	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	9.03	305329	9.08 ug/L	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	
75-34-3	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	
156594	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

9/21/00 2:07 PM

D:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003643.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003644.D**	Sample Name	**5658.03**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**5-Sep-00**	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	9.04	223514	6.22 ug/L	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.83	1216873	8.70 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

9/21/00 2:07 PM

D:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Dupe**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003644.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003660.D**	Sample Name	**5658.19**
Operator	**Skelton**	Field ID	**StreamSite#03**
Date Aquired	**6-Sep-00**	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	
75-34-3	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	
156594	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

9/21/00 2:08 PM

D:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS3**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.19

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003660.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/6/00

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	**VC003652.D**	Sample Name	**5658.11**
Operator	**Skelton**	Field ID	**StreamSite#11**
Date Aquired	**5-Sep-00**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.87	1303886	9.08 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

Lab ID. **SS11**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.11

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003652.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003650.D**	Sample Name	**5658.09**
Operator	**Skelton**	Field ID	**StreamSite#12**
Date Aquired	**5-Sep-00**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.86	280496	2.00 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

Lab ID. **SS12**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003650.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003654.D**	Sample Name	**5658.13**
Operator	**Skelton**	Field ID	**StreamSite#13**
Date Aquired	**5-Sep-00**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.86	305985	2.17 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	20.37	148465	1.78 ug/L	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	25.32	384602	5.40 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

Lab ID. **SS13**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.13

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003654.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003661.D**	Sample Name	**5658.20**
Operator	**Skelton**	Field ID	**StreamSite#14**
Date Aquired	**6-Sep-00**	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	
75-34-3	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	
156594	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

Lab ID. **SS14**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.20

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003661.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/6/00

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	**VC003653.D**	Sample Name	**5658.12**
Operator	**Skelton**	Field ID	**StreamSite#15**
Date Aquired	**5-Sep-00**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.86	285660	2.02 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	20.35	131044	1.58 ug/L	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	25.32	373278	5.20 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

Lab ID. **SS15**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.12

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003653.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003651.D**	Sample Name	**5658.10**
Operator	**Skelton**	Field ID	**StreamSite#18**
Date Aquired	**5-Sep-00**	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	9.18	558408	15.24 ug/L	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.88	350417	2.46 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

Lab ID. **SS18**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003651.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003662.D**	Sample Name	**5658.21**
Operator	**Skelton**	Field ID	**StreamSite#23**
Date Aquired	**6-Sep-00**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.92	323518	2.24 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	20.38	158928	1.82 ug/L	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	25.32	387141	5.18 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

Lab ID. **SS23**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.21

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003662.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/6/00

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	**VC003663.D**	Sample Name	**5658.22**
Operator	**Skelton**	Field ID	**StreamSite#24**
Date Aquired	**6-Sep-00**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.93	227178	1.54 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	20.38	126543	1.41 ug/L	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	25.33	331028	4.33 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

Lab ID. **SS24**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.22

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003663.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/6/00

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	**VC003665.D**	Sample Name	**5658.24**
Operator	**Skelton**	Field ID	**StreamSite#26**
Date Aquired	**6-Sep-00**	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	
75-34-3	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	
156594	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

Lab ID. **SS26**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.24

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003665.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/6/00

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

SALT WATER

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	**VC003638.D**	Sample Name	**Vblk103**
Operator	**Skelton**	Field ID	**Vblk103**
Date Aquired	**5-Sep-00**	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	
75-34-3	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	
156594	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

Lab ID. **Vblk103**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk103

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003638.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003642.D**	Sample Name	**5658.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**5-Sep-00**	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	9.02	317863	11.27 ug/L	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	
75-34-3	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	
156594	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

Lab ID.

Trip Blank

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003642.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003643.D**	Sample Name	**5658.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**5-Sep-00**	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	9.03	305329	9.08 ug/L	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	
75-34-3	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	
156594	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

9/21/00 2:06 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003643.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003657.D**	Sample Name	**5658.16**
Operator	**Skelton**	Field ID	**StreamSite#04**
Date Aquired	**6-Sep-00**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.88	167595	1.19 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	20.35	99468	1.19 ug/L	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	25.32	236010	3.19 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

Lab ID. **SS4**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.16

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003657.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/6/00

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	**VC003656.D**	Sample Name	**5658.15**
Operator	**Skelton**	Field ID	**StreamSite#05**
Date Aquired	**6-Sep-00**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.89	168763	1.19 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	25.31	249736	3.44 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

Lab ID. **SS5**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.15

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003656.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/6/00

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	**VC003658.D**	Sample Name	**5658.17**
Operator	**Skelton**	Field ID	**StreamSite#07**
Date Aquired	**6-Sep-00**	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	
75-34-3	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	
156594	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	25.32	129837	1.77 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

Lab ID. **SS7**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.17

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003658.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/6/00

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	**VC003648.D**	Sample Name	**5658.07**
Operator	**Skelton**	Field ID	**StreamSite#09**
Date Aquired	**5-Sep-00**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.87	161261	1.11 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

9/21/00 2:06 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS09**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003648.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003655.D**	Sample Name	**5658.14**
Operator	**Skelton**	Field ID	**StreamSite#16**
Date Aquired	**6-Sep-00**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.90	244340	1.68 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	20.36	111882	1.28 ug/L	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	25.32	330881	4.47 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

9/21/00 2:06 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS16**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.14

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003655.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/6/00

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	**VC003659.D**	Sample Name	**5658.18**
Operator	**Skelton**	Field ID	**StreamSite#17**
Date Aquired	**6-Sep-00**	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	
75-34-3	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	
156594	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

Lab ID. **SS17**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.18

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003659.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/6/00

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	**VC003649.D**	Sample Name	**5658.08**
Operator	**Skelton**	Field ID	**StreamSite#19**
Date Aquired	**5-Sep-00**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.88	296739	2.07 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

Lab ID. **SS19**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003649.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003647.D**	Sample Name	**5658.06**
Operator	**Skelton**	Field ID	**StreamSite#20**
Date Aquired	**5-Sep-00**	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	12.11	664181	2.58 ug/L	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	
75-34-3	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	
156594	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

Lab ID. **SS20**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003647.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003646.D**	Sample Name	**5658.05**
Operator	**Skelton**	Field ID	**StreamSite#21**
Date Aquired	**5-Sep-00**	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	12.10	684229	2.67 ug/L	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	9.14	166777	4.56 ug/L	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	
75-34-3	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	
156594	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

Lab ID. **SS21**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003646.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003645.D**	Sample Name	**5658.04**
Operator	**Skelton**	Field ID	**StreamSite#22**
Date Aquired	**5-Sep-00**	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	9.07	200587	5.53 ug/L	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	
75-34-3	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	
156594	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

Lab ID. **SS22**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003645.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/5/00

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	**VC003664.D**	Sample Name	**5658.23**
Operator	**Skelton**	Field ID	**StreamSite#25**
Date Aquired	**6-Sep-00**	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	
75-34-3	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	
156594	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

9/21/00 2:07 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS25**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.23

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003664.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/6/00

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	**VC003667.D**	Sample Name	**5658.26**
Operator	**Skelton**	Field ID	**StreamSite#27**
Date Aquired	**6-Sep-00**	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	
75-34-3	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	
156594	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	25.33	135043	1.72 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

Lab ID. **SS27**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.26

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003667.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/6/00

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	**VC003666.D**	Sample Name	**5658.25**
Operator	**Skelton**	Field ID	**StreamSite#28**
Date Aquired	**6-Sep-00**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.96	190191	1.28 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	20.42	98094	1.07 ug/L	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	25.32	286157	3.67 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

Lab ID. **SS28**

Lab Name: FMETL Project: Streams

NJDEP#: 13461 Case No.: 5658 Location: 3rd Qtr SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5658.25

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003666.D

Level: (low/med) LOW Date Received: 8/24/00

% Moisture: not dec. Date Analyzed: 9/6/00

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

PCB's

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	PBLK568
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	8/25/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	PBLK569
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	8/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/30/00
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/25/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/25/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Dupe
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/25/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #22
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/25/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/25/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/25/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #09
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.08
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/25/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.09
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/25/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #12
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.10
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/25/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #18
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.11
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/25/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #11
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.12
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/25/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #15
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.13
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/25/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #13
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.14
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/25/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #16
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.15
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/25/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #5
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.16
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #4
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.17
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/29/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #7
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.18
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #17
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.19
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #3
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.20
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #14
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.21
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #23
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.22
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #24
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.23
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #25
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.24
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #26
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5658.25
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #28
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5856.26
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/24/00
	Bldg. 173	**Extraction Date:**	8/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Steam Site #27
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

WET CHEMISTRY

Stream Water Analysis
August 2000

Sample ID	Date Sampled	Stream Site#	Temp °C	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphates (mg/L)	Sulfates (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
5658.04	08/24/00	22	23.5	6.88	0.271	0.4	ND	1500	6.71	4300	220	17.0
5658.05	08/24/00	21	23.4	7.21	0.544	0.3	ND	1200	6.51	80	20	13.0
5658.06	08/24/00	20	23.4	7.23	0.559	ND	ND	1150	7.23	220	40	13.0
5658.07	08/24/00	09	22.9	7.67	0.603	0.6	ND	104	8.41	240	40	2.0
5658.08	08/24/00	19	21.7	8.07	0.119	1.0	ND	22	8.71	1400	60	0.0
5658.09	08/24/00	12	22.2	7.79	ND	1.2	ND	27	7.43	2200	60	0.0
5658.10	08/24/00	18	22.4	7.75	0.102	0.9	ND	23	8.11	220	ND	0.0
5658.11	08/24/00	11	19.4	7.19	0.219	1.3	ND	26	8.23	400	ND	0.0
5658.12	08/24/00	15	21.2	7.28	0.570	1.0	ND	39	8.71	3100	280	0.0
5658.13	08/24/00	13	19.9	7.21	0.561	0.9	ND	35	9.21	7000	3100	0.0
5658.14	08/24/00	16	20.2	6.33	0.429	1.0	ND	29	6.21	3400	2800	0.0
5658.15	08/24/00	5	22.7	7.25	0.533	1.0	ND	32	7.21	3900	100	1.0
5658.16	08/24/00	4	23.0	7.27	0.484	0.9	ND	29	7.35	7200	180	2.0
5658.17	08/24/00	7	24.4	6.84	0.490	0.3	ND	95	7.41	6400	40	2.0
5658.18	08/24/00	17	22.1	7.24	0.621	0.5	ND	30	7.20	5100	320	0.0
5658.19	08/24/00	3	20.7	7.23	0.695	0.5	ND	30	8.88	14100	380	0.0
5658.20	08/24/00	14	19.5	7.37	0.132	0.5	ND	28	9.23	9200	480	0.0
5658.21	08/24/00	23	21.3	7.26	0.496	1.0	ND	38	6.23	6400	1900	0.0
5658.22	08/24/00	24	20.5	6.31	0.452	0.9	ND	31	8.01	6900	2400	0.0
5658.23	08/24/00	25	22.6	7.21	0.800	0.5	ND	32	7.91	4600	220	1.0
5658.24	08/24/00	26	20.4	7.22	0.800	0.5	ND	30	8.21	3900	300	0.0
5658.25	08/24/00	28	23.2	7.29	0.586	0.9	ND	27	7.17	9200	900	2.0
5658.26	08/24/00	27	24.7	6.81	0.612	0.4	ND	100	7.23	7200	600	3.0

mg/L = parts per million
cfu = colony forming units
ND = Not Detected

Completed:09/13/00
Reviewed: 09/13/00

9-29-00

Daniel K. Wright
Laboratory Director

LTM

	Lab	Methylene Chloride	Tetrachloroethene
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	2.49	0.388
04/08/1997	FMETL	2.00	ND
07/17/1997	FMETL	ND	ND
10/30/1997	FMETL	ND	ND
02/10/1998	FMETL	ND	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	ND	ND
11/18/1998	FMETL	ND	1.09
02/25/1999	FMETL	ND	ND
06/29/1999	FMETL	ND	ND
09/22/1999	FMETL	ND	ND
12/09/1999	FMETL	ND	ND
03/01/2000	FMETL	ND	ND
06/12/2000	FMETL	ND	ND
08/24/2000	FMETL	ND	ND

SOURCE: 3

Sampling Dates:
04/08/1997 - 08/24/2000

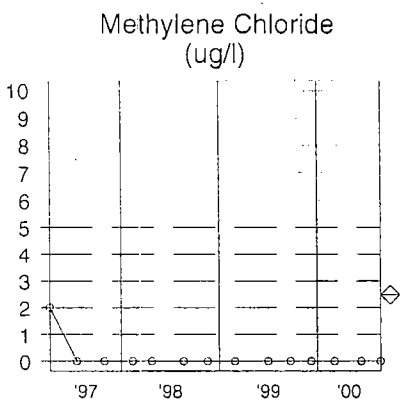
NOTES:

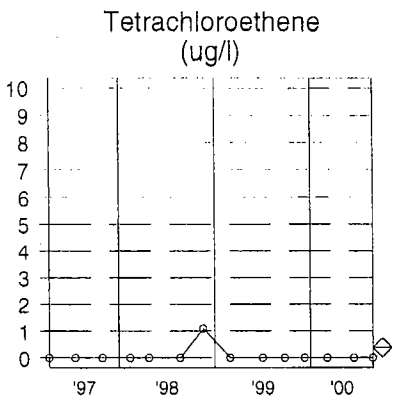
Stream 3 is Fresh-Water.
MeCl limit is 2.49 ug/L.
PCE limit is 0.388 ug/L.

Fort Monmouth

GW Monitoring
Streams

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 3

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether						Notes
Units:	-	ug/l	ug/l	ug/l	ug/l						-
NJDEP Criteria:	-	-	81	4.29	-						-
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						

SOURCE: 4

Sampling Dates:
04/08/1997 - 08/24/2000

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

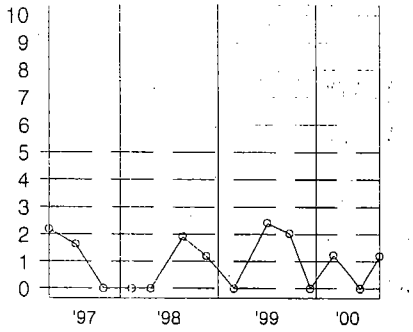
Fort Monmouth

GW Monitoring
Streams

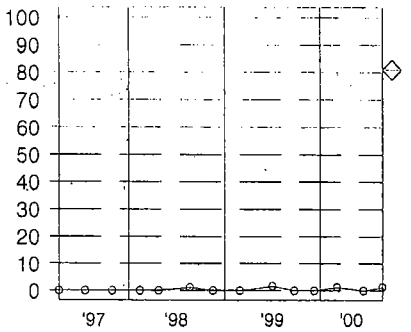
Source 2 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

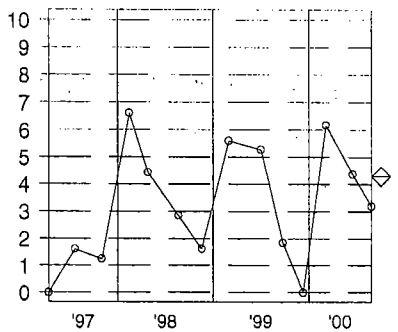
cis-1,2-Dichloroethene
(ug/l)



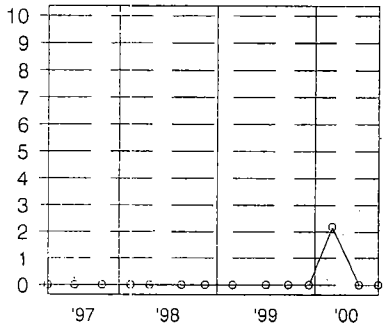
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 4

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	1600	-	81	4.29	-
04/08/1997	FMETL	1.96	1.80	ND	2.28	ND
07/17/1997	FMETL	ND	3.66	ND	3.54	ND
10/30/1997	FMETL	ND	1.83	ND	1.70	ND
02/10/1998	FMETL	ND	ND	ND	6.34	ND
04/21/1998	FMETL	ND	ND	ND	4.48	ND
08/19/1998	FMETL	ND	2.28	1.27	3.39	ND
11/17/1998	FMETL	ND	1.67	ND	2.17	ND
02/25/1999	FMETL	ND	ND	ND	5.45	ND
06/29/1999	FMETL	ND	2.74	1.74	6.04	ND
09/22/1999	FMETL	ND	1.96	ND	1.82	ND
12/09/1999	FMETL	ND	1.60	ND	3.82	ND
03/01/2000	FMETL	ND	1.27	1.36	6.62	2.34
06/12/2000	FMETL	ND	ND	ND	4.38	ND
08/24/2000	FMETL	ND	1.19	ND	3.44	ND

SOURCE: 5

Sampling Dates:
04/08/1997 - 08/24/2000

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.

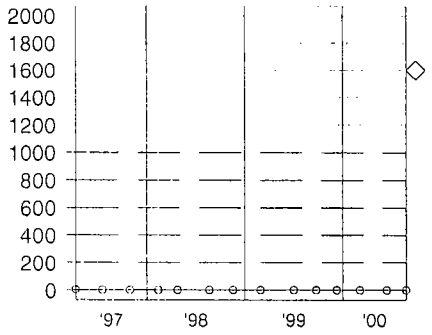
Fort Monmouth

GW Monitoring
Streams

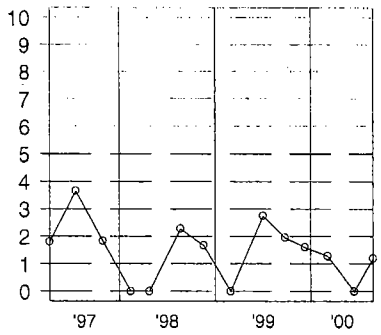
Source 3 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

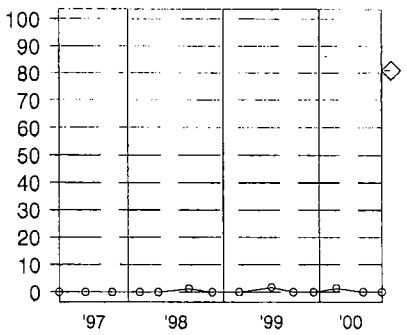
Methylene Chloride
(ug/l)



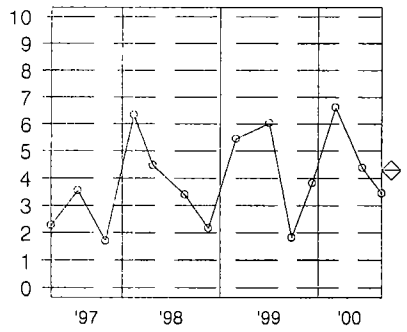
cis-1,2-Dichloroethene
(ug/l)



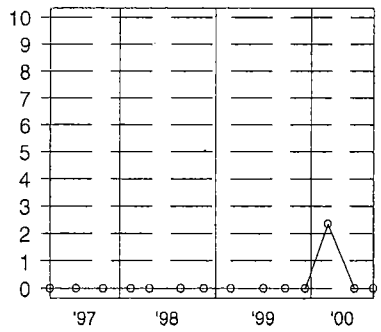
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 5

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	-	-
04/08/1997	FMETL	ND	ND	ND	ND	ND
07/17/1997	FMETL	1.14	ND	1.08	ND	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	2.04	ND	ND
04/21/1998	FMETL	ND	ND	2.40	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND
11/17/1998	FMETL	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	ND	2.85	ND	ND
06/29/1999	FMETL	ND	ND	1.42	2.94	2.00
09/22/1999	FMETL	ND	ND	ND	ND	ND
12/09/1999	FMETL	ND	ND	ND	ND	ND
03/01/2000	FMETL	1.19	1.30	6.47	ND	2.14
06/12/2000	FMETL	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	ND	1.77	ND	ND

SOURCE: 7

Sampling Dates:
04/08/1997 - 08/24/2000

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.

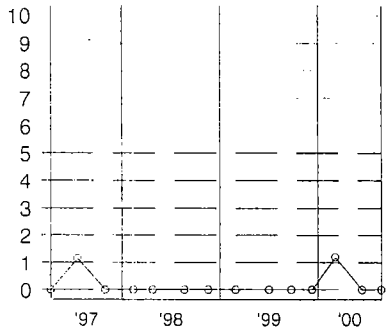
Fort Monmouth

GW Monitoring
Streams

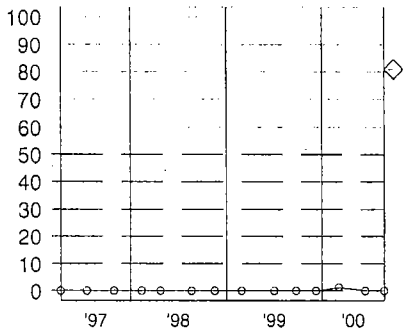
Source 4 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

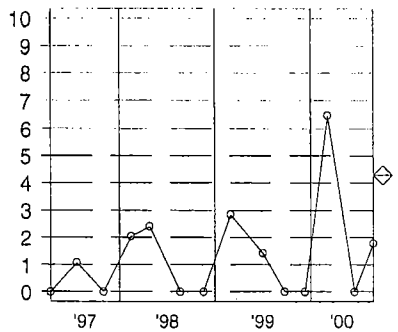
cis-1,2-Dichloroethene
(ug/l)



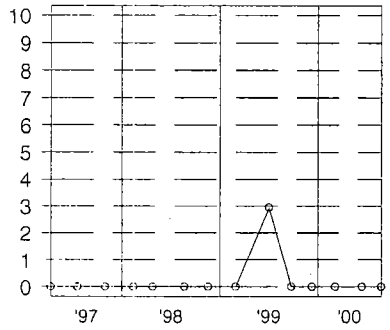
Trichloroethene
(ug/l)



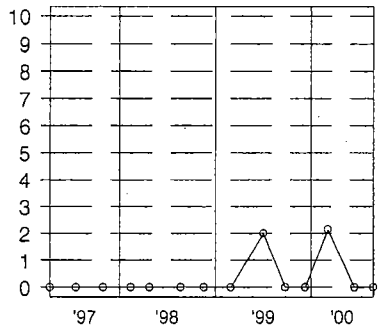
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 7

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Acetone
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	1600	-	-
04/08/1997	FMETL	1.82	2.78	ND
07/17/1997	FMETL	ND	ND	ND
10/30/1997	FMETL	ND	2.14	ND
02/10/1998	FMETL	ND	6.00	ND
04/21/1998	FMETL	ND	4.73	ND
08/19/1998	FMETL	ND	1.69	ND
11/17/1998	FMETL	ND	ND	ND
02/25/1999	FMETL	ND	1.78	ND
06/29/1999	FMETL	ND	ND	2.50
09/21/1999	FMETL	ND	1.91	ND
12/09/1999	FMETL	ND	ND	25.08
03/01/2000	FMETL	ND	2.17	ND
06/12/2000	FMETL	ND	ND	ND
08/24/2000	FMETL	ND	1.11	ND

SOURCE: 9

Sampling Dates:
04/08/1997 - 08/24/2000

NOTES:

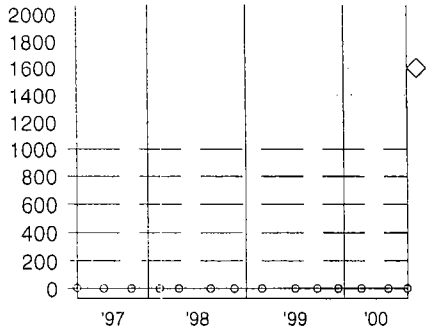
PAGE 1 OF 1
Stream 9 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

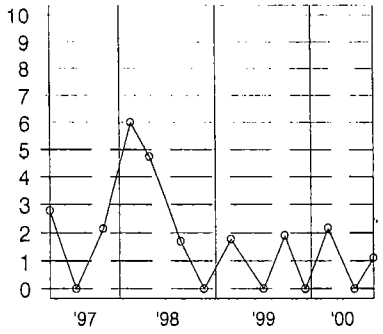
Fort Monmouth

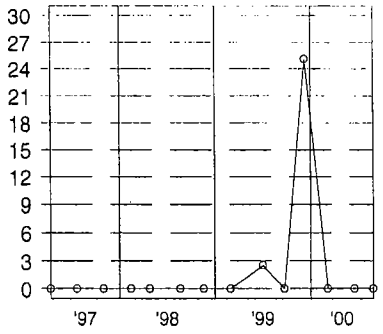
GW Monitoring
Streams

Source 5 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 9

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	-	-
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	6.22	ND

SOURCE: 11

Sampling Dates:
04/08/1997 - 08/24/2000

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.

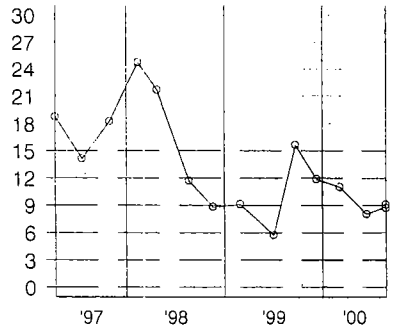
Fort Monmouth

GW Monitoring
Streams

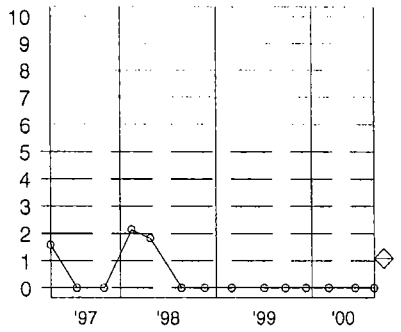
Source 6 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

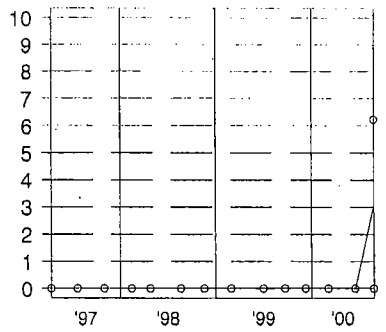
cis-1,2-Dichloroethene
(ug/l)



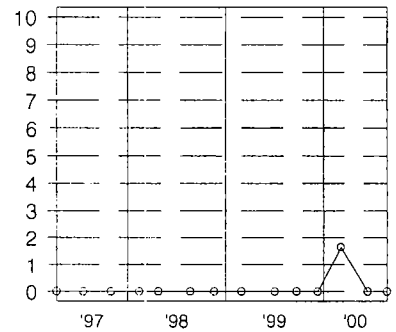
Trichloroethene
(ug/l)



Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 11

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Acetone
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	-	-
04/08/1997	FMETL	6.63	ND
07/17/1997	FMETL	ND	ND
10/30/1997	FMETL	5.67	ND
02/10/1998	FMETL	6.54	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	4.58	ND
11/18/1998	FMETL	2.48	ND
02/25/1999	FMETL	1.80	ND
06/29/1999	FMETL	1.39	ND
09/21/1999	FMETL	3.67	9.54
12/09/1999	FMETL	2.74	ND
03/01/2000	FMETL	3.13	ND
06/12/2000	FMETL	ND	ND
08/24/2000	FMETL	2.00	ND

SOURCE: 12

Sampling Dates:
04/08/1997 - 08/24/2000

NOTES:

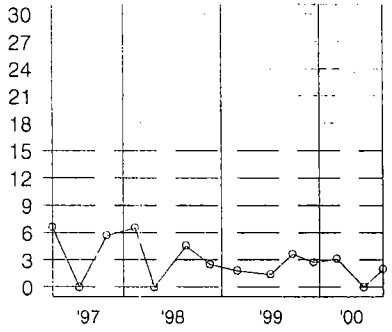
Page 1 of 1
Stream 12 is Fresh-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

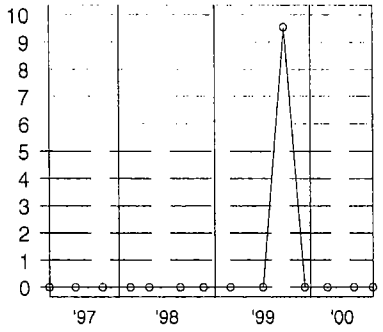
Fort Monmouth

GW Monitoring
Streams

Source 7 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 12

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	0.388	-	-
04/08/1997	FMETL	ND	ND	ND	2.81	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND
11/18/1998	FMETL	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	ND	ND
09/22/1999	FMETL	ND	ND	ND	ND	ND
12/09/1999	FMETL	ND	ND	3.94	ND	ND
03/01/2000	FMETL	1.35	1.40	6.92	ND	2.40
06/12/2000	FMETL	ND	ND	5.56	ND	ND
08/24/2000	FMETL	2.17	1.78	5.40	ND	ND

SOURCE: 13

Sampling Dates:
04/08/1997 - 08/24/2000

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.

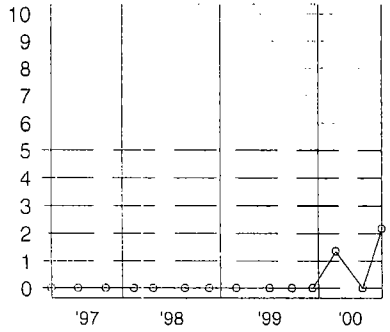
Fort Monmouth

GW Monitoring
Streams

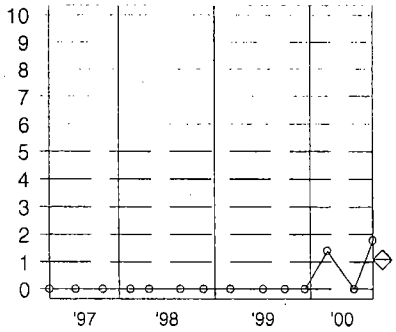
Source 8 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

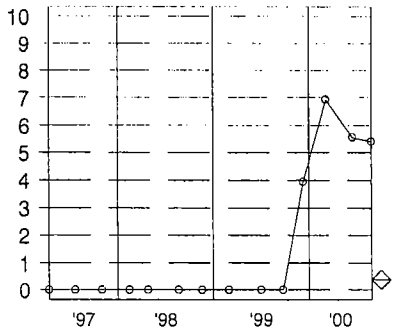
cis-1,2-Dichloroethene
(ug/l)



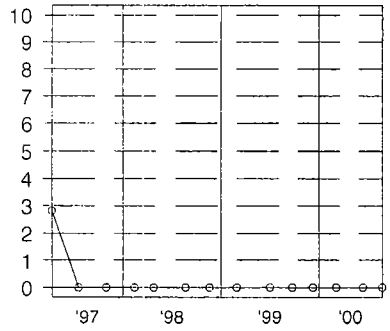
Trichloroethene
(ug/l)



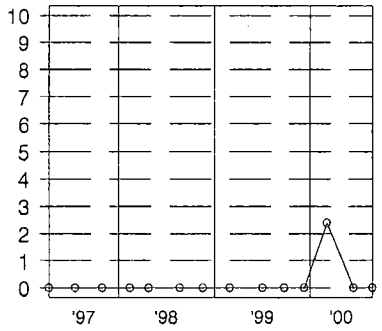
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 13

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Acetone
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	-
04/08/1997	FMETL	ND	ND	3.94
07/17/1997	FMETL	ND	ND	ND
10/30/1997	FMETL	1.59	1.75	ND
02/10/1998	FMETL	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND
11/18/1998	FMETL	ND	ND	3.32
02/25/1999	FMETL	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND
09/22/1999	FMETL	ND	ND	ND
12/09/1999	FMETL	11.26	ND	ND
03/01/2000	FMETL	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND
08/24/2000	FMETL	ND	ND	ND

SOURCE: 14

Sampling Dates:
04/08/1997 - 08/24/2000

NOTES:

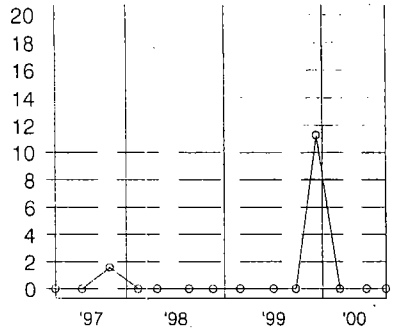
Page 1 of 1
Stream 14 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
Acetone limit is NLE.

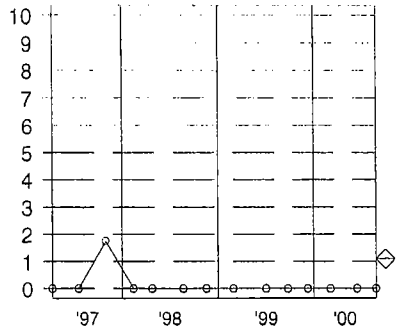
Fort Monmouth

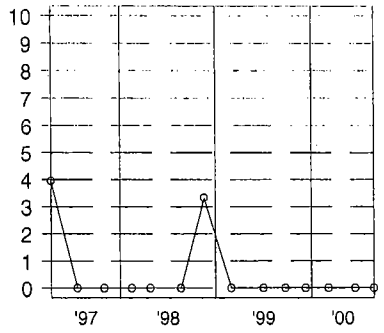
GW Monitoring
Streams

Source 9 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 14

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	0.388	-
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

SOURCE: 15

Sampling Dates:
04/08/1997 - 08/24/2000

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.

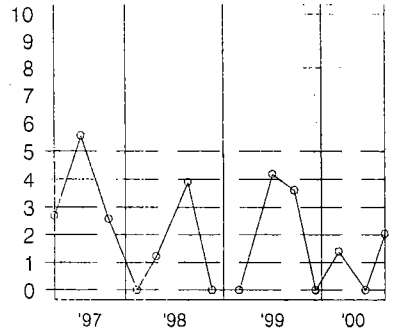
Fort Monmouth

GW Monitoring
Streams

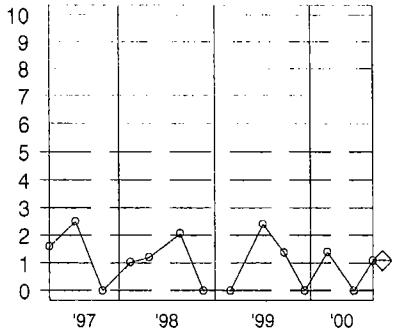
Source 10 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

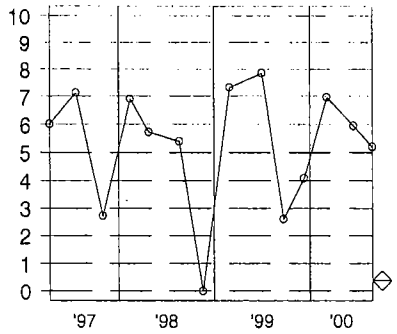
cis-1,2-Dichloroethene
(ug/l)



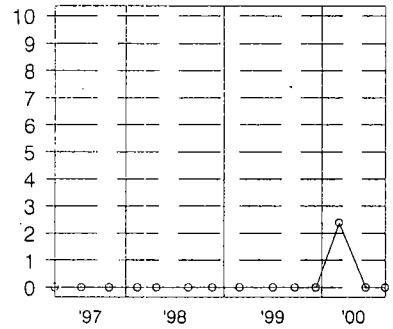
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 15

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	-
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

SOURCE: 16

Sampling Dates:
04/08/1997 - 08/24/2000

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.

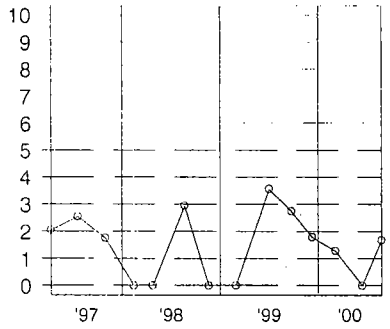
Fort Monmouth

GW Monitoring
Streams

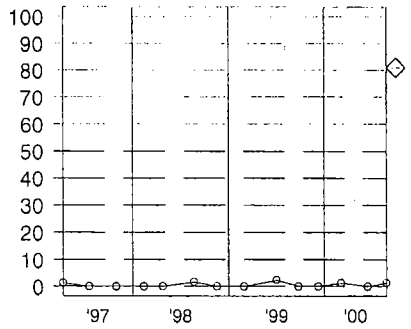
Source 11 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

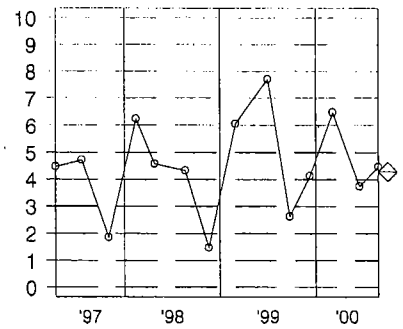
cis-1,2-Dichloroethene
(ug/l)



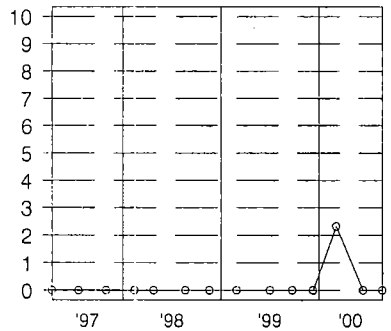
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 16

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Chloro benzene
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29	-	21000
04/08/1997	FMETL	ND	ND	ND	1.97	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	ND	1.59
04/21/1998	FMETL	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND
11/18/1998	FMETL	4.43	2.12	5.09	ND	ND
02/25/1999	FMETL	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	ND	ND
09/22/1999	FMETL	1.09	ND	ND	ND	ND
12/09/1999	FMETL	ND	ND	ND	ND	ND
03/01/2000	FMETL	ND	ND	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	ND	ND	ND	ND

SOURCE: 17

Sampling Dates:
04/08/1997 - 08/24/2000

NOTES:

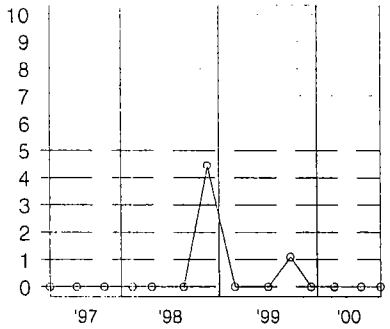
Page 1 of 1 .
stream 17 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
Acetone limit is NLE.
Chlorobenzene limit is 21000 ug/L.

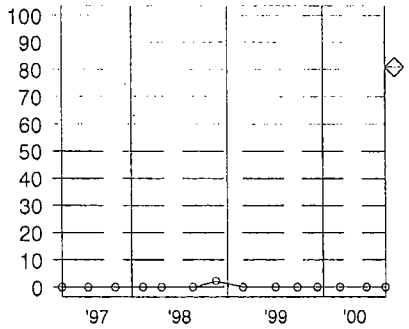
Fort Monmouth

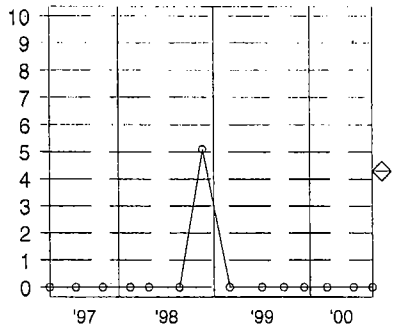
GW Monitoring
Streams

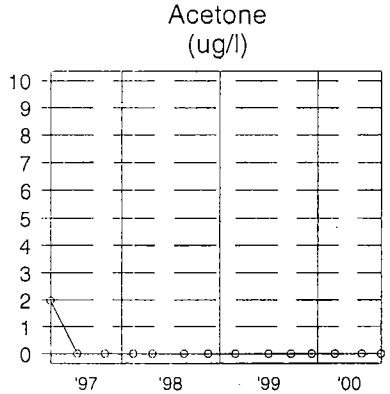
Source 12 of 23

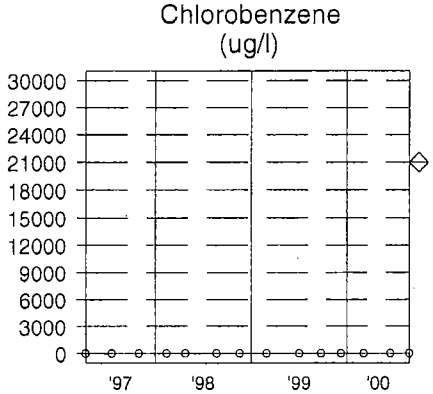
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 17

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Acetone
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	-	-
04/08/1997	FMETL	ND	ND
07/17/1997	FMETL	1.06	ND
10/30/1997	FMETL	5.87	ND
02/10/1998	FMETL	14.36	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	4.65	ND
11/18/1998	FMETL	3.18	ND
02/25/1999	FMETL	3.95	ND
06/29/1999	FMETL	1.47	ND
09/21/1999	FMETL	4.67	ND
12/09/1999	FMETL	4.90	ND
03/01/2000	FMETL	5.57	ND
06/12/2000	FMETL	ND	ND
08/24/2000	FMETL	2.46	15.24

SOURCE: 18

Sampling Dates:
04/08/1997 - 08/24/2000

NOTES:

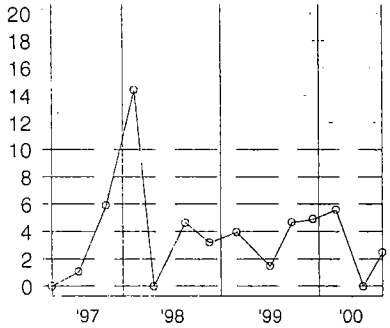
Page 1 of 1
Stream 18 is Fresh-Water.
cis-1,2-Di limit is NLE.

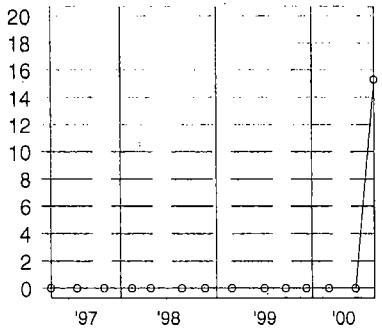
Fort Monmouth

GW Monitoring
Streams

Source 13 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 18

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene
Units:	-	ug/l
NJDEP Criteria:	-	-
04/08/1997	FMETL	6.44
07/17/1997	FMETL	ND
10/30/1997	FMETL	4.69
02/10/1998	FMETL	8.22
04/21/1998	FMETL	6.86
08/19/1998	FMETL	2.95
11/17/1998	FMETL	2.3
02/25/1999	FMETL	2.30
06/29/1999	FMETL	ND
09/21/1999	FMETL	3.53
12/09/1999	FMETL	2.60
03/01/2000	FMETL	2.92
06/12/2000	FMETL	ND
08/24/2000	FMETL	2.07

SOURCE: 19

Sampling Dates:
04/08/1997 - 08/24/2000

NOTES:

Page 1 of 1
Stream 19 is Salt-Water.
cis-1,2-Di limit is NLE.

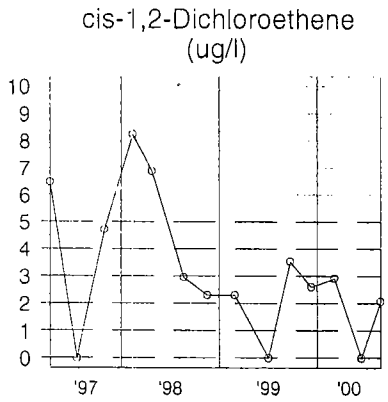
Fort Monmouth

GW Monitoring
Streams

Source 14 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-27-2000 x:\mtech46\lm\streams\gw\streams.wsf



SOURCE: 19

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Ethyl benzene	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	27900	-
04/08/1997	FMETL	2.18	ND
07/17/1997	FMETL	ND	2.63
10/30/1997	FMETL	ND	ND
02/10/1998	FMETL	ND	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	ND	4.85
11/17/1998	FMETL	ND	ND
02/25/1999	FMETL	ND	ND
06/29/1999	FMETL	ND	5.70
09/21/1999	FMETL	ND	2.10
12/09/1999	FMETL	ND	ND
03/01/2000	FMETL	ND	ND
06/12/2000	FMETL	ND	6.38
08/24/2000	FMETL	ND	2.58

SOURCE: 20

Sampling Dates:
04/08/1997 - 08/24/2000

NOTES:

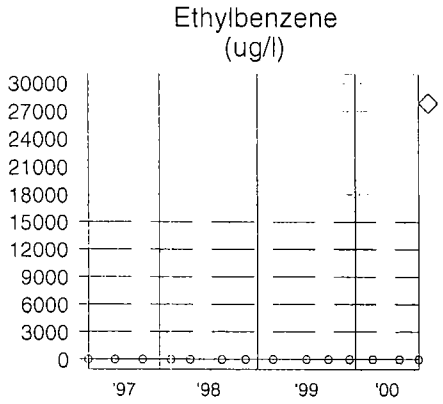
Page 1 of 1
Stream20 is Salt-Water.
Ethylben limit is 27900 ug/L.
MTBE limit is NLE.

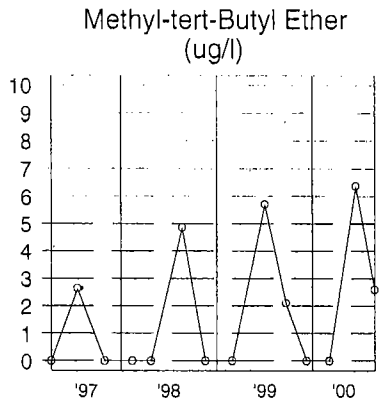
Fort Monmouth

GW Monitoring
Streams

Source 15 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 20

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	-	-
04/08/1997	FMETL	ND	ND	ND
07/17/1997	FMETL	ND	ND	2.90
10/30/1997	FMETL	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND
08/19/1998	FMETL	ND	ND	4.71
11/17/1998	FMETL	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND
06/29/1999	FMETL	ND	ND	7.40
09/21/1999	FMETL	1.17	ND	2.24
12/09/1999	FMETL	ND	27.52	ND
03/01/2000	FMETL	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND
08/24/2000	FMETL	ND	4.56	2.67

SOURCE: 21

Sampling Dates:
04/08/1997 - 08/24/2000

NOTES:

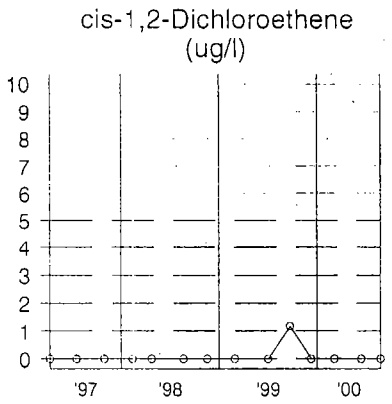
Page 1 of 1
Sream 21 is Salt-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.
MTBE limit is NLE.

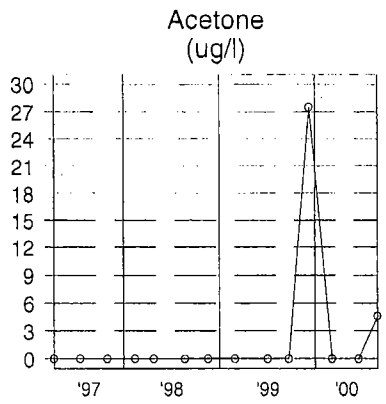
Fort Monmouth

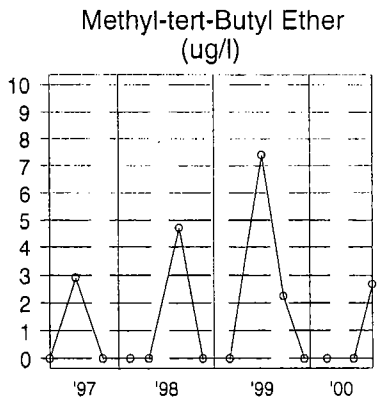
GW Monitoring
Streams

Source 16 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 21

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Acetone	Methyl-tert Butyl ether
Units:	-	ug/l	ug/l
NJDEP Criteria:	-	-	-
04/08/1997	FMETL	ND	ND
07/17/1997	FMETL	ND	4.26
10/30/1997	FMETL	ND	ND
02/10/1998	FMETL	ND	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	ND	4.50
11/17/1998	FMETL	ND	ND
02/25/1999	FMETL	ND	ND
06/29/1999	FMETL	ND	8.30
09/21/1999	FMETL	ND	0.82
12/09/1999	FMETL	32.77	ND
03/01/2000	FMETL	ND	ND
06/12/2000	FMETL	ND	10.26
06/12/2000D	FMETL	ND	10.66
08/24/2000	FMETL	5.53	ND

SOURCE: 22

Sampling Dates:
04/08/1997 - 08/24/2000

NOTES:

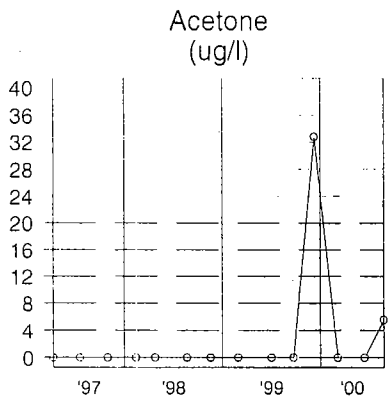
Page 1 of 1
Stream 22 is Salt-Water.
Acetone limit is NLE.
MTBE limit is NLE.

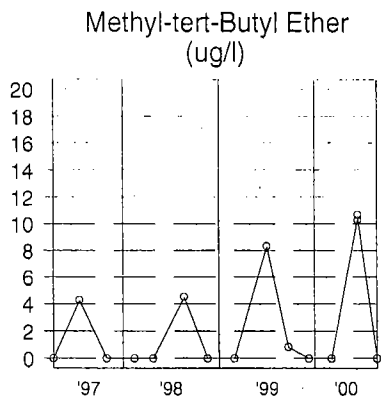
Fort Monmouth

GW Monitoring
Streams

Source 17 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 22

Sampling Dates:
04/08/1997 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloro ethene	Trichloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	0.388
06/12/2000	FMETL	ND	ND	5.60
08/24/2000	FMETL	2.24	1.82	5.18

SOURCE: 23

Sampling Dates:
06/12/2000 - 08/24/2000

NOTES:

Page 1 of 1
Stream 23 is Fresh-Water

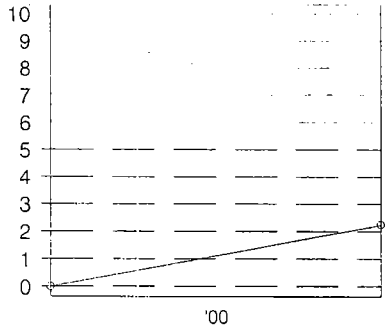
Fort Monmouth

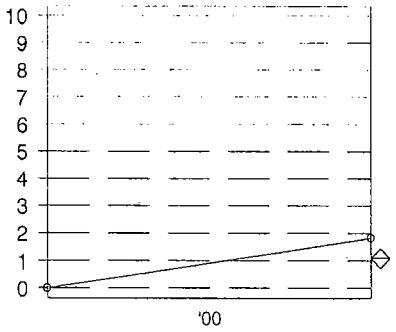
GW Monitoring
Streams

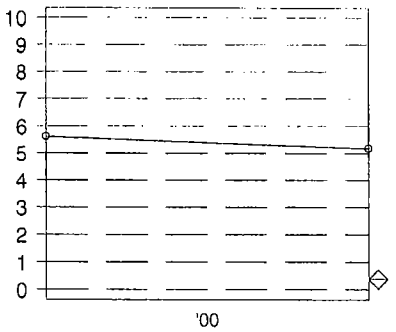
Source 18 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf







SOURCE: 23

Sampling Dates:
06/12/2000 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	0.388
06/12/2000	FMETL	ND	ND	4.72
08/24/2000	FMETL	1.54	1.41	4.33

SOURCE: 24

Sampling Dates:
06/12/2000 - 08/24/2000

NOTES:

Page 1 of 2
Stream 24 is Fresh-Water

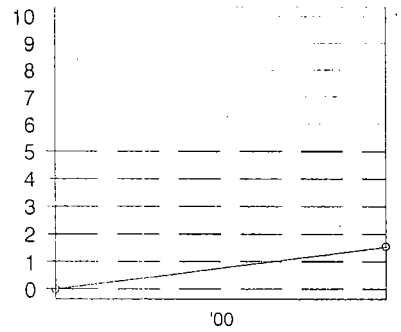
Fort Monmouth

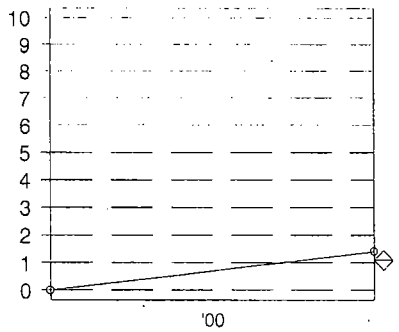
GW Monitoring
Streams

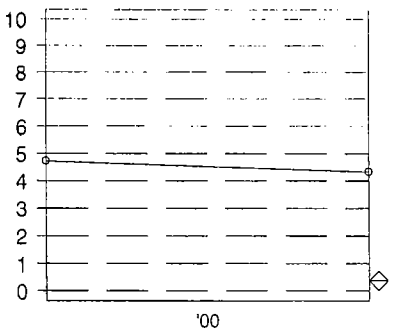
Source 19 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsl







SOURCE: 24

Sampling Dates:
06/12/2000 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab
Units:	-
NJDEP Criteria:	-
06/12/2000	FMETL,,
08/24/2000	FMETL,,

SOURCE: 25

Sampling Dates:
06/12/2000 - 08/24/2000

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

	Lab
Units:	-
NJDEP Criteria:	-
06/12/2000	FMETL,,,
08/24/2000	FMETL,,,

SOURCE: 26

Sampling Dates:
06/12/2000 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Tetrachloroethene
Units:	-	ug/l
NJDEP Criteria:	-	4.29
06/12/2000	FMETL	ND
08/24/2000	FMETL	1.72

SOURCE: 27

Sampling Dates:
06/12/2000 - 08/24/2000

NOTES:

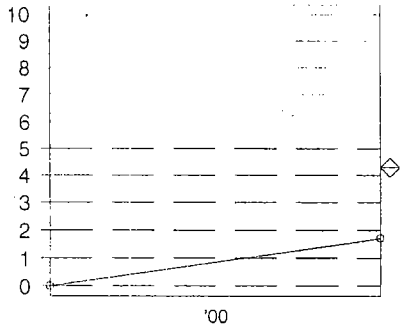
Page 1 of 1
Stream 27 is Salt Water.

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 27

Sampling Dates:
06/12/2000 - 08/24/2000

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

09-27-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
Units:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	81	4.29
06/12/2000	FMETL	ND	ND	ND
08/24/2000	FMETL	1.28	1.07	3.67

SOURCE: 28

Sampling Dates:
06/12/2000 - 08/24/2000

NOTES:

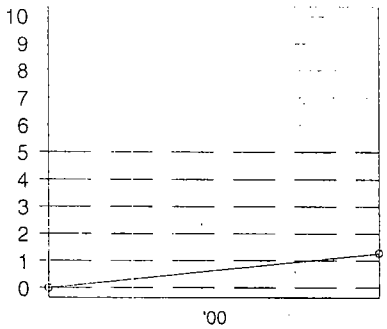
Page 1 of 1
Stream 28 is Salt-Water
cis-1,2-Dichloroethene limit is NLE
TCE limit is 81
PCE limit is 4.29

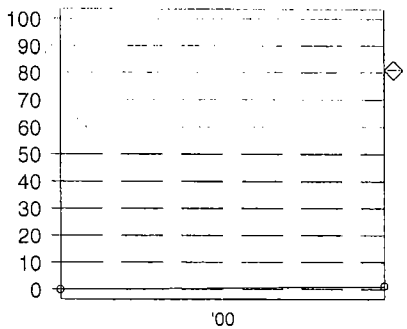
Fort Monmouth

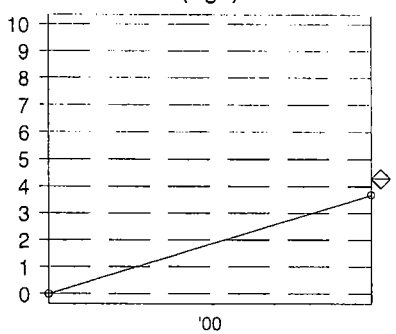
GW Monitoring
Streams

Source 23 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 28

Sampling Dates:
06/12/2000 - 08/24/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

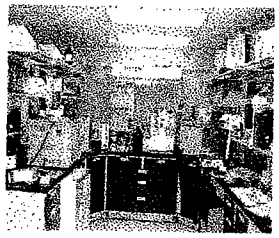
Source 23 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-27-2000 x:\mtech46\fm\streams\gw\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: 4th QTR Streams

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site #22	5868.04	Aqueous	20-Nov-00 09:00	11/20/00
Stream Site #21	5868.05	Aqueous	20-Nov-00 09:10	11/20/00
Stream Site #20	5868.06	Aqueous	20-Nov-00 09:15	11/20/00
Stream Site #09	5868.07	Aqueous	20-Nov-00 09:20	11/20/00
Stream Site #19	5868.08	Aqueous	20-Nov-00 09:25	11/20/00
Stream Site #12	5868.09	Aqueous	20-Nov-00 09:30	11/20/00
Stream Site #18	5868.10	Aqueous	20-Nov-00 09:35	11/20/00
Stream Site #11	5868.11	Aqueous	20-Nov-00 09:40	11/20/00
Stream Site #15	5868.12	Aqueous	20-Nov-00 09:45	11/20/00
Stream Site #13	5868.13	Aqueous	20-Nov-00 09:50	11/20/00
Stream Site #16	5868.14	Aqueous	20-Nov-00 09:55	11/20/00
Stream Site #05	5868.15	Aqueous	20-Nov-00 10:00	11/20/00
Stream Site #04	5868.16	Aqueous	20-Nov-00 10:05	11/20/00
Stream Site #07	5868.17	Aqueous	20-Nov-00 10:10	11/20/00
Stream Site #17	5868.18	Aqueous	20-Nov-00 10:15	11/20/00
Stream Site #03	5868.19	Aqueous	20-Nov-00 10:20	11/20/00
Stream Site #14	5868.20	Aqueous	20-Nov-00 10:25	11/20/00
Stream Site #23	5868.21	Aqueous	20-Nov-00 10:30	11/20/00
Stream Site #24	5868.22	Aqueous	20-Nov-00 10:35	11/20/00
Stream Site #25	5868.23	Aqueous	20-Nov-00 10:40	11/20/00
Stream Site #26	5868.24	Aqueous	20-Nov-00 10:45	11/20/00
Stream Site #28	5868.25	Aqueous	20-Nov-00 10:50	11/20/00
Stream Site #27	5868.26	Aqueous	20-Nov-00 10:55	11/20/00

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, PCB's, WET CHEMISTRY

12-05-00

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

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. FARLOW
Phone #: X26223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: Streams 4th Qtr '00

Samplers Name / Company: Corey McCormack, TUS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Volatiles	PCB	T. Coli	NH_3/NO_3	PO_4/SO_4	°C Temp	pH SU	Dissolved Oxy	Remarks / Preservation Method	
5868 .01	Trip	11/20/00	0820	AQ	2	✓					—	—	—		
.02	Field Blank		0830		5	✓	✓		✓	✓	—	—	—	Salinity	
.03	Dupe		—		6	✓	✓	✓	✓	✓	—	—	—	‰	D^{20}_{20}
.04	SS #22		0900		6	✓	✓	✓	✓	✓	21.3	7.41	7.61	1.011	18.0
.05	#21		0910			✓	✓	✓	✓	✓	21.5	7.52	7.51	1.010	14.0
.06	#20		0915			✓	✓	✓	✓	✓	21.3	7.51	8.00	1.010	14.0
.07	#09		0920			✓	✓	✓	✓	✓	19.7	7.69	8.57	1.002	3.0
.08	#19		0925			✓	✓	✓	✓	✓	18.8	7.91	8.97	1.000	0.0
.09	#12		0930			✓	✓	✓	✓	✓	20.3	7.86	7.91	1.000	0.0
.10	#18		0935			✓	✓	✓	✓	✓	20.2	7.77	8.41	1.000	0.0
.11	#11		0940			✓	✓	✓	✓	✓	18.7	7.23	8.91	1.000	0.0
.12	#15		0945			✓	✓	✓	✓	✓	19.2	7.31	9.21	1.000	0.0
.13	#13		0950			✓	✓	✓	✓	✓	18.4	7.24	10.01	1.000	0.0
.14	#16		0955			✓	✓	✓	✓	✓	19.1	6.71	7.31	1.000	0.0

Comments: HCl / H_2SO_4 / 4°C

Relinquished by (signature)	Date/Time	Received by (signature)	Relinquished by (signature)	Date/Time	Received by (signature)
Corey McCormack	11/20/00 1300				

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.xls9/27/00

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 4th Qtr '00
Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA's	PCB	T. Coli	NH_3/NO_3	PO_4/SO_4	Temp °C	pH su	Dissolved Oxy	Comments: HCL/H_2SO_4/4°C Remarks / Preservation Method	
5868 .15	SS #5	11/29/00	1000	AQ	6	✓	✓	✓	✓	✓	20.7	7.30	8.31	1.000	1.0
.16	#4		1005			✓	✓	✓	✓	✓	21.3	7.37	8.27	1.001	2.0
.17	#7		1010			✓	✓	✓	✓	✓	22.7	6.94	7.91	1.001	2.0
.18	#17		1015			✓	✓	✓	✓	✓	20.4	7.37	7.87	1.001	1.0
.19	#3		1020			✓	✓	✓	✓	✓	18.6	7.31	9.11	1.000	0.0
.20	#14		1025			✓	✓	✓	✓	✓	17.3	7.40	10.11	1.000	0.0
.21	#23		1030			✓	✓	✓	✓	✓	19.2	7.31	7.41	1.000	0.0
.22	#24		1035			✓	✓	✓	✓	✓	18.7	6.51	8.41	1.000	0.0
.23	#25		1040			✓	✓	✓	✓	✓	20.4	7.29	8.03	1.000	0.0
.24	#26		1045			✓	✓	✓	✓	✓	18.7	7.27	8.11	1.000	0.0
.25	#27		1050			✓	✓	✓	✓	✓	21.4	7.35	7.44	1.001	2.0
.26	#28	✓	1055	✓	✓	✓	✓	✓	✓	✓	22.4	6.41	7.47	1.001	2.0

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	11/29/00 1300				
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.xls9/27/00

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	**VB008823.D**	Sample Name	**Vblk259**
Operator	**Skelton**	Field ID	**Vblk259**
Date Acquired	**21 Nov 2000 12:30 pm**	Sample Multiplie	**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	0.06	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	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
75-34-3	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	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB008823.D**	Sample Name	**Vblk259**
Operator	**Skelton**	Field ID	**Vblk259**
Date Acquired	**21 Nov 2000 12:30 pm**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97.

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Vblk259**

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk259

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008823.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/21/00

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	**VB008824.D**	Sample Name	**5868.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**21 Nov 2000 1:17 pm**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97.

Qualifiers

B = Compound found in related blank
E = 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 #13461

Data File	**VB008824.D**	Sample Name	**5868.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**21 Nov 2000 1:17 pm**	Sample Multiplie	**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	0.06	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	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
75-34-3	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	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008824.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/21/00

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	**VB008825.D**	Sample Name	**5868.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**21 Nov 2000 1:57 pm**	Sample Multiplie	**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	0.06	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	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
75-34-3	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	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB008825.D**	Sample Name	**5868.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**21 Nov 2000 1:57 pm**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9[illegible]

Qualifiers

B = Compound found in related blank
E = 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: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008825.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/21/00

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	**VB008826.D**	Sample Name	**5868.03**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**21 Nov 2000 2:38 pm**	Sample Multiplie	**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	0.06	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	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
75-34-3	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	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB008826.D**	Sample Name	**5868.03**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**21 Nov 2000 2:38 pm**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008826.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/21/00

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	**VB008827.D**	Sample Name	**5868.04**
Operator	**Skelton**	Field ID	**SS#22**
Date Acquired	**21 Nov 2000 3:18 pm**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = 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.

SS#22

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008827.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/21/00

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	**VB008830.D**	Sample Name	**5868.05**
Operator	**Skelton**	Field ID	**SS#21**
Date Acquired	**21 Nov 2000 5:18 pm**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#21

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008830.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/21/00

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	**VB008831.D**	Sample Name	**5868.06**
Operator	**Skelton**	Field ID	**SS#20**
Date Acquired	**21 Nov 2000 5:59 pm**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS#20**

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008831.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/21/00

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	**VB008832.D**	Sample Name	**5868.07**
Operator	**Skelton**	Field ID	**SS#09**
Date Acquired	**21 Nov 2000 6:39 pm**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#09

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008832.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/21/00

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	**VB008833.D**	Sample Name	**5868.08**
Operator	**Skelton**	Field ID	**SS#19**
Date Acquired	**21 Nov 2000 7:19 pm**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#19

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008833.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/21/00

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	**VB008834.D**	Sample Name	**5868.09**
Operator	**Skelton**	Field ID	**SS#12**
Date Acquired	**21 Nov 2000 7:59 pm**	Sample Multiplie	**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	0.06	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	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
75-34-3	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	15.97	58045	1.87 ug/L	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS#12**

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008834.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/21/00

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	**VB008835.D**	Sample Name	**5868.10**
Operator	**Skelton**	Field ID	**SS#18**
Date Acquired	**21 Nov 2000 8:40 pm**	Sample Multiplie	**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	0.06	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	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
75-34-3	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	15.97	55535	1.80 ug/L	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#18

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008835.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/21/00

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	**VB008836.D**	Sample Name	**5868.11**
Operator	**Skelton**	Field ID	**SS#11**
Date Acquired	**21 Nov 2000 9:21 pm**	Sample Multiplie	**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	0.06	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	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
75-34-3	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	15.96	169571	5.34 ug/L	nle	0.17 ug/L	
67-66-3	Chloroform			not detected	5.67	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#11

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.11

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008836.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/21/00

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	**VB008837.D**	Sample Name	**5868.12**
Operator	**Skelton**	Field ID	**SS#15**
Date Acquired	**21 Nov 2000 10:01 pm**	Sample Multiplie	**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	0.06	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	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
75-34-3	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	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene	25.48	158456	6.29 ug/L	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#15

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.12

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008837.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/21/00

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	**VB008838.D**	Sample Name	**5868.13**
Operator	**Skelton**	Field ID	**SS#13**
Date Acquired	**21 Nov 2000 10:42 pm**	Sample Multiplie	**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	0.06	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	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
75-34-3	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	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene	25.49	165561	6.58 ug/L	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#13

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.13

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008838.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/21/00

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	**VB008839.D**	Sample Name	**5868.14**
Operator	**Skelton**	Field ID	**SS#16**
Date Acquired	**21 Nov 2000 11:22 pm**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	25.49	115349	4.49 ug/L	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#16

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.14

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008839.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/21/00

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	**VB008840.D**	Sample Name	**5868.15**
Operator	**Skelton**	Field ID	**SS#05**
Date Acquired	**22 Nov 2000 12:03 am**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	25.49	92748	3.58 ug/L	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#05

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.15

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008840.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/22/00

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	**VB008841.D**	Sample Name	**5868.16**
Operator	**Skelton**	Field ID	**SS#04**
Date Acquired	**22 Nov 2000 12:43 am**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	25.49	93124	3.70 ug/L	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97.

Qualifiers

B = Compound found in related blank
E = 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.

SS#04

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.16

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008841.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/22/00

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	**VB008842.D**	Sample Name	**5868.17**
Operator	**Skelton**	Field ID	**SS#07**
Date Acquired	**22 Nov 2000 1:24 am**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	25.48	49479	1.94 ug/L	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#07

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.17

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008842.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/22/00

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	**VB008843.D**	Sample Name	**5868.18**
Operator	**Skelton**	Field ID	**SS#17**
Date Acquired	**22 Nov 2000 2:04 am**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS#17**

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.18

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008843.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/22/00

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	**VB008844.D**	Sample Name	**5868.19**
Operator	**Skelton**	Field ID	**SS#03**
Date Acquired	**22 Nov 2000 2:45 am**	Sample Multiplie	**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	0.06	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	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
75-34-3	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	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-9[illegible]

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS#03**

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.19

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008844.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/22/00

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	**VB008845.D**	Sample Name	**5868.20**
Operator	**Skelton**	Field ID	**SS#14**
Date Acquired	**22 Nov 2000 3:25 am**	Sample Multiplie	**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	0.06	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	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
75-34-3	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	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-9[illegible]

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#14

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.20

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008845.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/22/00

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	**VB008846.D**	Sample Name	**5868.21**
Operator	**Skelton**	Field ID	**SS#23**
Date Acquired	**22 Nov 2000 4:06 am**	Sample Multiplie	**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	0.06	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	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
75-34-3	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	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene	25.49	156761	6.29 ug/L	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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.

SS#23

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5868.21

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008846.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. _____ Date Analyzed: 11/22/00

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	**VB008847.D**	Sample Name	**5868.22**
Operator	**Skelton**	Field ID	**SS#24**
Date Acquired	**22 Nov 2000 4:46 am**	Sample Multiplie	**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	0.06	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	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
75-34-3	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	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene	25.49	108398	4.41 ug/L	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 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

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#24

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.22

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008847.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/22/00

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	**VB008848.D**	Sample Name	**5868.23**
Operator	**Skelton**	Field ID	**SS#25**
Date Acquired	**22 Nov 2000 5:27 am**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97.

Qualifiers

B = Compound found in related blank
E = 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. **SS#25**

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.23

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008848.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/22/00

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	**VB008849.D**	Sample Name	**5868.24**
Operator	**Skelton**	Field ID	**SS#26**
Date Acquired	**22 Nov 2000 6:07 am**	Sample Multiplie	**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	0.06	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	0.08	1.06 ug/L	
74-83-9	Bromomethane			not detected	48.40	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	
75-34-3	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	
71-55-6	1,1,1-Trichloroethane			not detected	127	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	0.36	0.47 ug/L	
71-43-2	Benzene			not detected	0.15	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	0.29	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	0.27	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	0.19	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	13.50	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	0.39	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	72.60	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9B-1.14 18- May-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

C:\Hpchem\Custrpt\streams\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#26

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5868.24

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008849.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. _____ Date Analyzed: 11/22/00

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	**VB008850.D**	Sample Name	**5868.25**
Operator	**Skelton**	Field ID	**SS#27**
Date Acquired	**22 Nov 2000 6:48 am**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	25.48	47010	1.87 ug/L	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97.

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **SS#27**

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.25

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008850.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/22/00

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	**VB008851.D**	Sample Name	**5868.26**
Operator	**Skelton**	Field ID	**SS#28**
Date Acquired	**22 Nov 2000 7:29 am**	Sample Multiplie	**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	0.67	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	
75-34-3	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	
71-55-6	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	25.49	90001	3.60 ug/L	4.29	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	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	
00-00-0	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	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	

* Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97.

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\CUSTRPT\STREAMS\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

SS#28

Lab Name: FMETL Project: 4th Qtr

NJDEP#: 13461 Case No.: 5868 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5868.26

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008851.D

Level: (low/med) LOW Date Received: 11/20/00

% Moisture: not dec. Date Analyzed: 11/22/00

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

PCB's

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	PBLK631
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	11/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/30/00
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	PBLK632
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	11/24/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/00
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**
Arochlor 1268	**1**		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Dupe
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #22
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #09
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.08
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.09
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #12
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.10
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #18
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.11
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #11
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.12
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #15
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.13
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #13
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.14
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #16
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.15
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/30/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #5
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.16
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/24/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #4
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.17
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/24/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #7
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.18
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/24/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #17
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**
Arochlor 1268	**1**		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.19
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/24/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #3
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**
Arochlor 1268	**1**		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.19
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/24/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #3
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**
Arochlor 1268	**1**		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.20
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/24/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #14
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.21
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/24/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #23
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.22
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/24/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #24
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**
Arochlor 1268	**1**		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.23
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/24/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #25
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.24
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/24/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #26
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.25
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/24/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #27
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	5868.26
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/20/00
	Bldg. 173	**Extraction Date:**	11/24/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/1/00
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #28
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

WET CHEMISTRY

Stream Water Analysis
November 2000

Sample ID	Date Sampled	Stream Site#	Temp °C	pH	Ammonia (mg/L)	Nitrates (mg/L)	Phosphates (mg/L)	Sulfates (mg/L)	DO (mg/L)	T.Coliform (cfu/100ml)	F.Coliform (cfu/100ml)	% Salinity
5868.04	11/20/00	22	21.3	7.41	ND	0.4	ND	1750	7.61	100	40	1.011
5868.05	11/20/00	21	21.5	7.52	ND	0.4	ND	1350	7.51	260	ND	1.010
5868.06	11/20/00	20	21.3	7.51	ND	0.5	ND	1600	8.00	200	ND	1.010
5868.07	11/20/00	09	19.7	7.69	ND	0.7	ND	310	8.57	1160	120	1.002
5868.08	11/20/00	19	18.8	7.91	ND	1.0	ND	23	8.97	1460	80	1.000
5868.09	11/20/00	12	20.3	7.80	ND	1.3	ND	24	7.91	820	100	1.000
5868.10	11/20/00	18	20.2	7.77	ND	1.7	ND	24	8.41	1160	40	1.000
5868.11	11/20/00	11	18.7	7.23	ND	1.9	ND	22	8.91	1180	200	1.000
5868.12	11/20/00	15	19.2	7.31	0.370	1.2	ND	34	9.21	1420	120	1.000
5868.13	11/20/00	13	18.4	7.24	0.328	1.1	ND	31	10.01	1820	100	1.000
5868.14	11/20/00	16	19.1	6.71	0.409	1.3	ND	30	7.31	580	80	1.000
5868.15	11/20/00	5	20.7	7.30	0.401	1.2	ND	43	8.31	1160	ND	1.000
5868.16	11/20/00	4	21.3	7.37	0.405	1.0	ND	44	8.27	800	60	1.001
5868.17	11/20/00	7	22.7	6.94	0.210	0.4	ND	290	7.91	920	140	1.001
5868.18	11/20/00	17	20.4	7.37	0.233	0.8	ND	35	7.87	1040	240	1.001
5868.19	11/20/00	3	18.6	7.31	0.226	0.7	ND	35	9.11	840	260	1.000
5868.20	11/20/00	14	17.3	7.40	0.216	0.7	ND	34	10.11	1080	120	1.000
5868.21	11/20/00	23	19.2	7.31	0.278	1.2	ND	34	7.41	1780	60	1.001
5868.22	11/20/00	24	18.7	6.51	0.433	1.3	ND	30	8.41	700	80	1.001
5868.23	11/20/00	25	20.4	7.29	0.250	0.7	ND	35	8.03	1320	200	1.001
5868.24	11/20/00	26	18.7	7.27	0.203	0.5	0.13	36	8.11	860	240	1.000
5868.25	11/20/00	28	21.4	7.35	0.229	0.6	ND	245	7.44	720	100	1.001
5868.26	11/20/00	27	22.4	6.41	0.413	0.9	ND	42	7.47	880	20	1.001

mg/L = parts per million
cfu = colony forming units
ND = Not Detected

Completed:11/24/00
Reviewed: 11/24/00

Daniel K. Wright

Laboratory Director

LTM

	Lab	Methylene Chloride	Tetrachloroethene
:	-	ug/l	ug/l
NJDEP Criteria:	-	2.49	0.388
04/08/1997	FMETL	2.00	ND
07/17/1997	FMETL	ND	ND
10/30/1997	FMETL	ND	ND
02/10/1998	FMETL	ND	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	ND	ND
11/18/1998	FMETL	ND	1.09
02/25/1999	FMETL	ND	ND
06/29/1999	FMETL	ND	ND
09/22/1999	FMETL	ND	ND
12/09/1999	FMETL	ND	ND
03/01/2000	FMETL	ND	ND
06/12/2000	FMETL	ND	ND
08/24/2000	FMETL	ND	ND
11/20/2000	FMETL	ND	ND

: 3

:
04/08/1997 - 11/20/2000

:

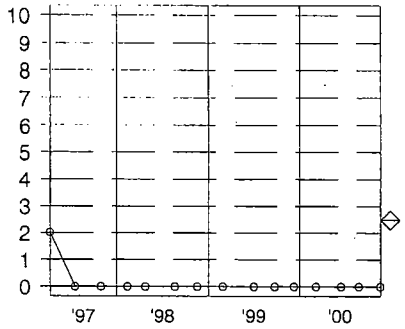
Stream 3 is Fresh-Water.
MeCl limit is 2.49 ug/L.
PCE limit is 0.388 ug/L..

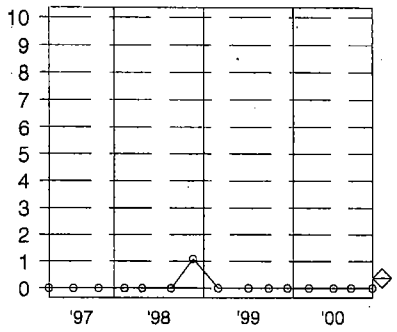
Fort Monmouth

GW Monitoring
Streams

Source 1 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





: 3

:
04/08/1997 - 11/20/2000

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 1 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether
:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	0.388	-
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

: 4

:
04/08/1997 - 11/20/2000

:

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

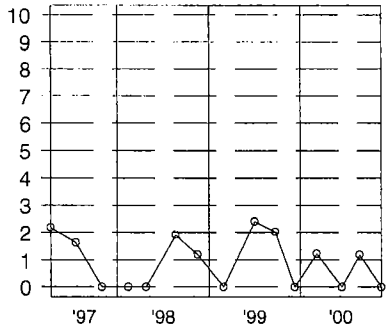
Fort Monmouth

GW Monitoring
Streams

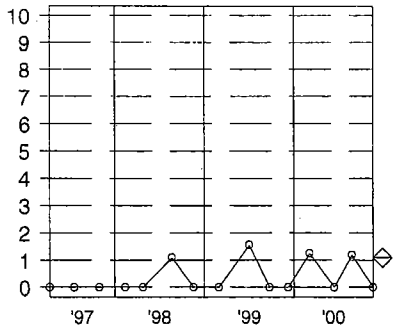
Source 2 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

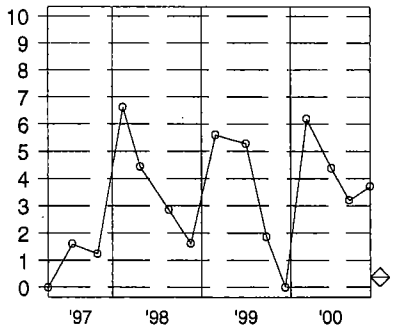
cis-1,2-Dichloroethene
(ug/l)



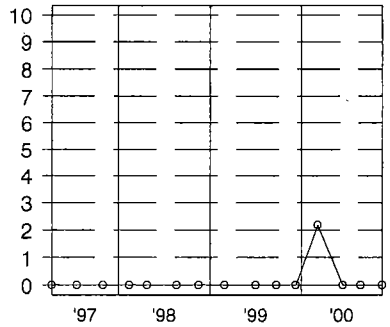
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



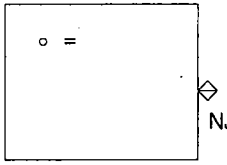
Methyl-tert-Butyl Ether
(ug/l)



: 4

:
04/08/1997 - 11/20/2000

:



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 2 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether
:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-
04/08/1997	FMETL	1.96	1.80	ND	2.28	ND
07/17/1997	FMETL	ND	3.66	ND	3.54	ND
10/30/1997	FMETL	ND	1.83	ND	1.70	ND
02/10/1998	FMETL	ND	ND	ND	6.34	ND
04/21/1998	FMETL	ND	ND	ND	4.48	ND
08/19/1998	FMETL	ND	2.28	1.27	3.39	ND
11/17/1998	FMETL	ND	1.67	ND	2.17	ND
02/25/1999	FMETL	ND	ND	ND	5.45	ND
06/29/1999	FMETL	ND	2.74	1.74	6.04	ND
09/22/1999	FMETL	ND	1.96	ND	1.82	ND
12/09/1999	FMETL	ND	1.60	ND	3.82	ND
03/01/2000	FMETL	ND	1.27	1.36	6.62	2.34
06/12/2000	FMETL	ND	ND	ND	4.38	ND
08/24/2000	FMETL	ND	1.19	ND	3.44	ND
11/20/2000	FMETL	ND	ND	ND	3.58	ND

: 5

:
04/08/1997 - 11/20/2000

:

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.

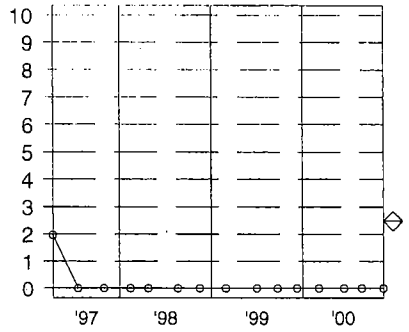
Fort Monmouth

GW Monitoring
Streams

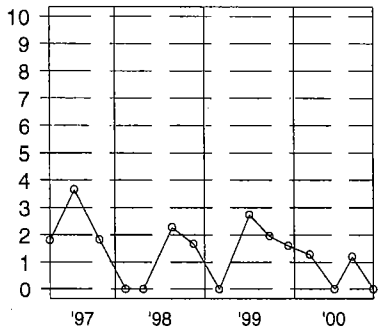
Source 3 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

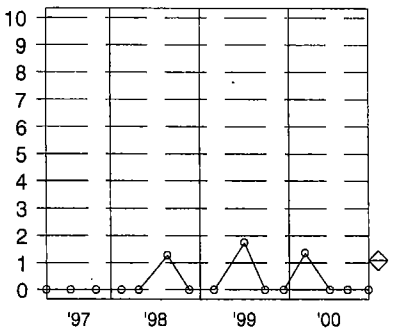
Methylene Chloride
(ug/l)



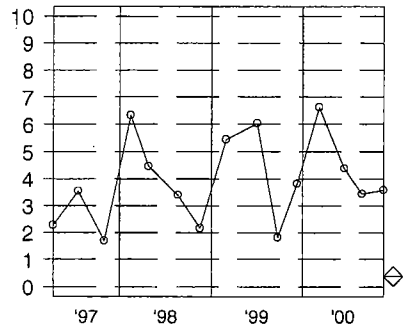
cis-1,2-Dichloroethene
(ug/l)



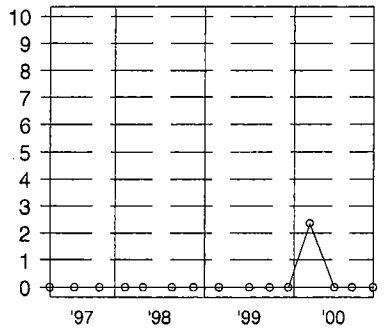
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



: 5

:
04/08/1997 - 11/20/2000

:

o =

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	Acetone	Methyl-tert Butyl ether
:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	0.388	-	-
04/08/1997	FMETL	ND	ND	ND	ND	ND
07/17/1997	FMETL	1.14	ND	1.08	ND	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	2.04	ND	ND
04/21/1998	FMETL	ND	ND	2.40	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND
11/17/1998	FMETL	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	ND	2.85	ND	ND
06/29/1999	FMETL	ND	ND	1.42	2.94	2.00
09/22/1999	FMETL	ND	ND	ND	ND	ND
12/09/1999	FMETL	ND	ND	ND	ND	ND
03/01/2000	FMETL	1.19	1.30	6.47	ND	2.14
06/12/2000	FMETL	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	ND	1.77	ND	ND
11/20/2000	FMETL	ND	ND	1.94	ND	ND

: 7

:
04/08/1997 - 11/20/2000

:

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.

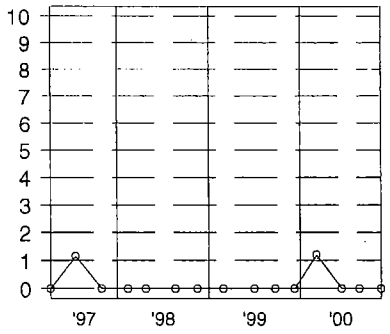
Fort Monmouth

GW Monitoring
Streams

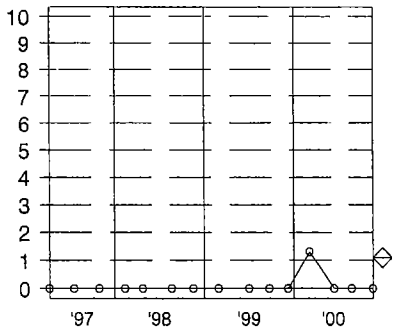
Source 4 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

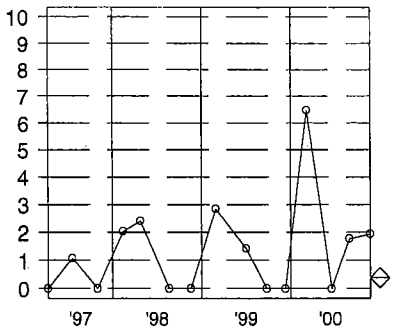
cis-1,2-Dichloroethene
(ug/l)



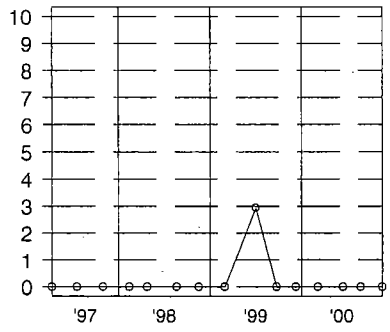
Trichloroethene
(ug/l)



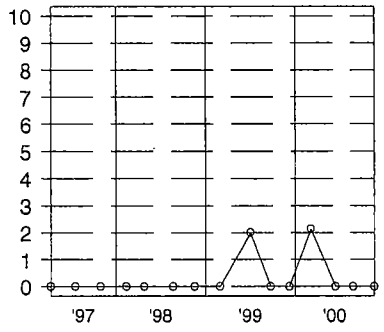
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



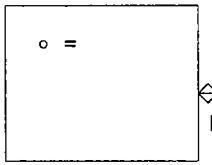
Methyl-tert-Butyl Ether
(ug/l)



: 7

:
04/08/1997 - 11/20/2000

:



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 4 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Acetone
:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	-
04/08/1997	FMETL	1.82	2.78	ND
07/17/1997	FMETL	ND	ND	ND
10/30/1997	FMETL	ND	2.14	ND
02/10/1998	FMETL	ND	6.00	ND
04/21/1998	FMETL	ND	4.73	ND
08/19/1998	FMETL	ND	1.69	ND
11/17/1998	FMETL	ND	ND	ND
02/25/1999	FMETL	ND	1.78	ND
06/29/1999	FMETL	ND	ND	2.50
09/21/1999	FMETL	ND	1.91	ND
12/09/1999	FMETL	ND	ND	25.08
03/01/2000	FMETL	ND	2.17	ND
06/12/2000	FMETL	ND	ND	ND
08/24/2000	FMETL	ND	1.11	ND
11/20/2000	FMETL	ND	ND	ND
11/20/2000D	FMETL	ND	ND	ND

: 9

:
04/08/1997 - 11/20/2000

:

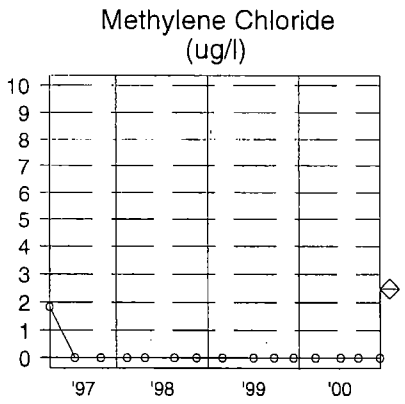
PAGE 1 OF 1
Stream 9 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

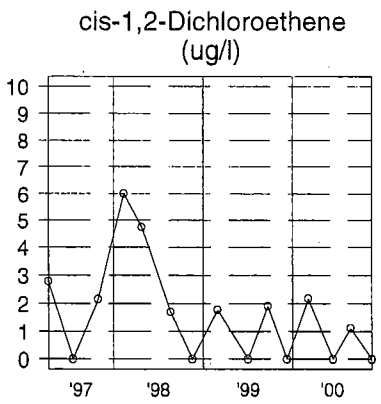
Fort Monmouth

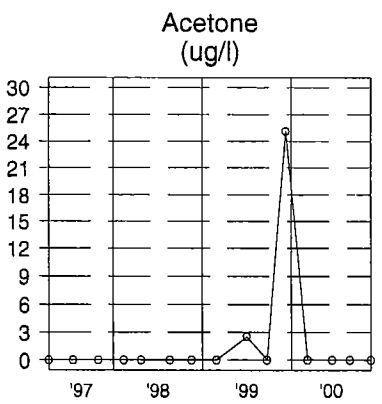
GW Monitoring
Streams

Source 5 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







: 9

:
04/08/1997 - 11/20/2000

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 5 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Acetone	Methyl-tert Butyl ether
:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	-	-
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	6.22	ND
11/20/2000	FMETL	5.34	ND	ND	ND

: 11

:
04/08/1997 - 11/20/2000

:

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.

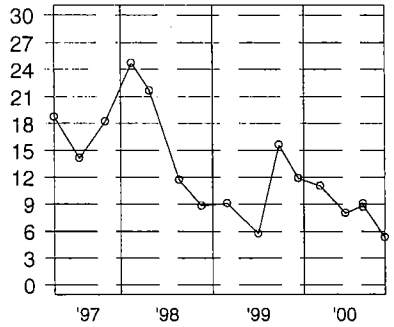
Fort Monmouth

GW Monitoring
Streams

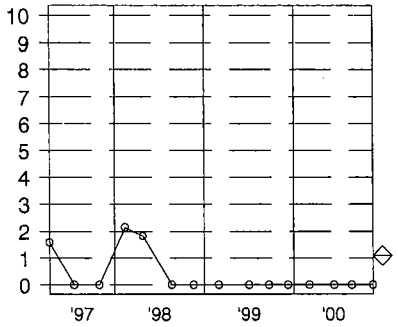
Source 6 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

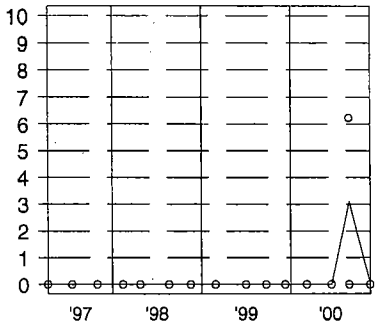
cis-1,2-Dichloroethene
(ug/l)



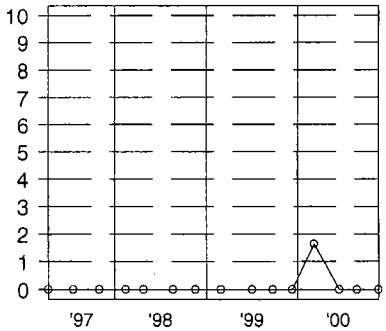
Trichloroethene
(ug/l)



Acetone
(ug/l)



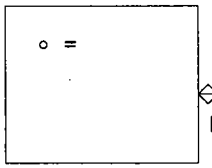
Methyl-tert-Butyl Ether
(ug/l)



: 11

:
04/08/1997 - 11/20/2000

:



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 6 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Acetone
:	-	ug/l	ug/l
NJDEP Criteria:	-	-	-
04/08/1997	FMETL	6.63	ND
07/17/1997	FMETL	ND	ND
10/30/1997	FMETL	5.67	ND
02/10/1998	FMETL	6.54	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	4.58	ND
11/18/1998	FMETL	2.48	ND
02/25/1999	FMETL	1.80	ND
06/29/1999	FMETL	1.39	ND
09/21/1999	FMETL	3.67	9.54
12/09/1999	FMETL	2.74	ND
03/01/2000	FMETL	3.13	ND
06/12/2000	FMETL	ND	ND
08/24/2000	FMETL	2.00	ND
11/20/2000	FMETL	1.87	ND

: 12

:
04/08/1997 - 11/20/2000

:

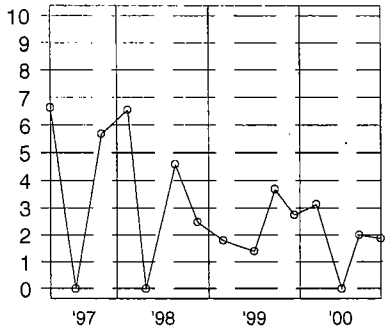
Page 1 of 1
Stream 12 is Fresh-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

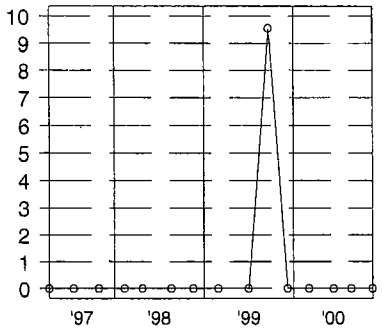
Fort Monmouth

GW Monitoring
Streams

Source 7 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





: 12

:
04/08/1997 - 11/20/2000

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 7 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-
04/08/1997	FMETL	1.91	ND	ND	ND	2.81	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	ND	3.94	ND	ND
03/01/2000	FMETL	ND	1.35	1.40	6.92	ND	2.40
06/12/2000	FMETL	ND	ND	ND	5.56	ND	ND
08/24/2000	FMETL	ND	2.17	1.78	5.40	ND	ND
11/20/2000	FMETL	ND	ND	ND	6.58	ND	ND

: 13

:

04/08/1997 - 11/20/2000

:

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.

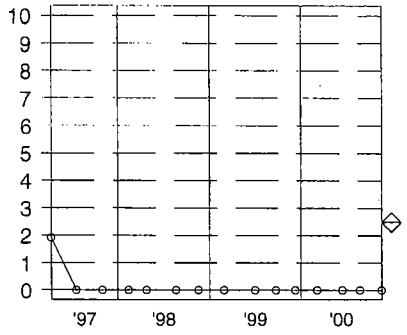
Fort Monmouth

GW Monitoring
Streams

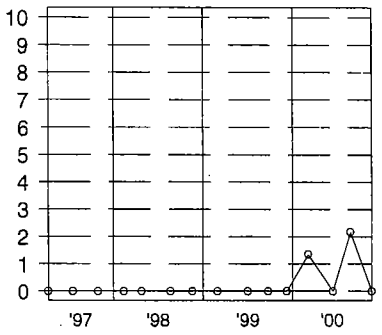
Source 8 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

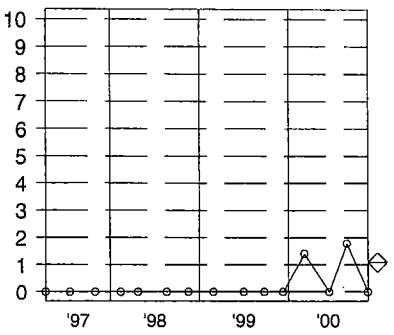
Methylene Chloride
(ug/l)



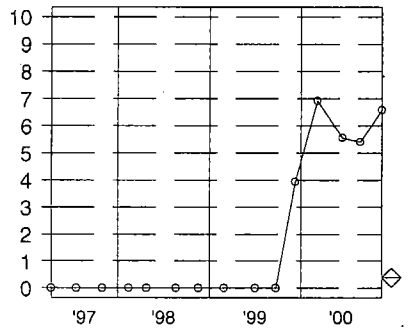
cis-1,2-Dichloroethene
(ug/l)



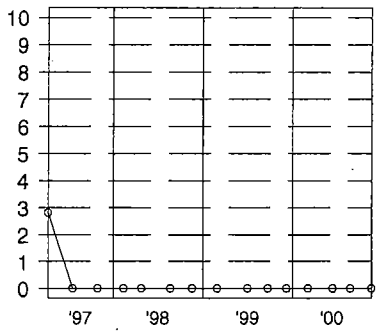
Trichloroethene
(ug/l)



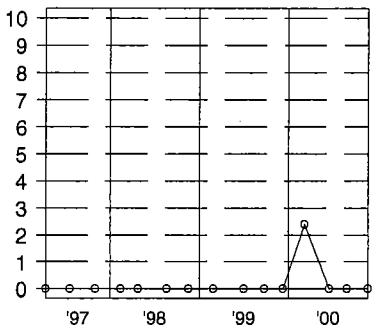
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



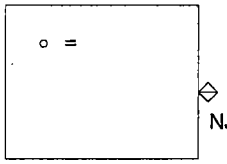
Methyl-tert-Butyl Ether
(ug/l)



: 13

:
04/08/1997 - 11/20/2000

:



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 8 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Acetone
:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	-
04/08/1997	FMETL	ND	ND	3.94
07/17/1997	FMETL	ND	ND	ND
10/30/1997	FMETL	1.59	1.75	ND
02/10/1998	FMETL	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND
11/18/1998	FMETL	ND	ND	3.32
02/25/1999	FMETL	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND
09/22/1999	FMETL	ND	ND	ND
12/09/1999	FMETL	11.26	ND	ND
03/01/2000	FMETL	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND
08/24/2000	FMETL	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND

: 14

:
04/08/1997 - 11/20/2000

:

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.

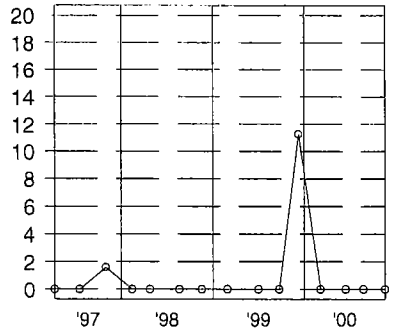
Fort Monmouth

GW Monitoring
Streams

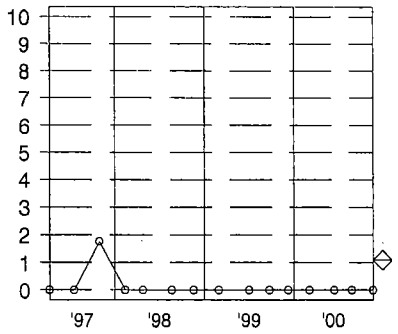
Source 9 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

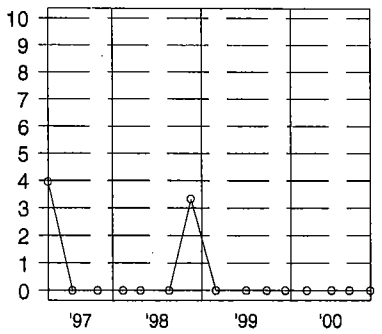
cis-1,2-Dichloroethene
(ug/l)



Trichloroethene
(ug/l)



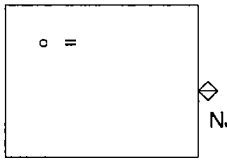
Acetone
(ug/l)



: 14

:
04/08/1997 - 11/20/2000

:



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 9 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene	Methyl-tert Butyl ether
:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	0.388	-
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

: 15

:
04/08/1997 - 11/20/2000

:

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.

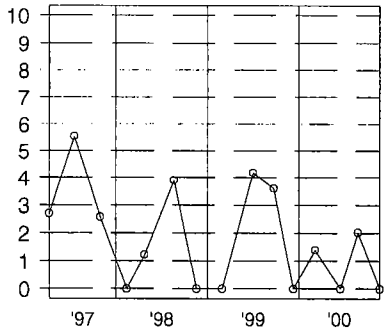
Fort Monmouth

GW Monitoring
Streams

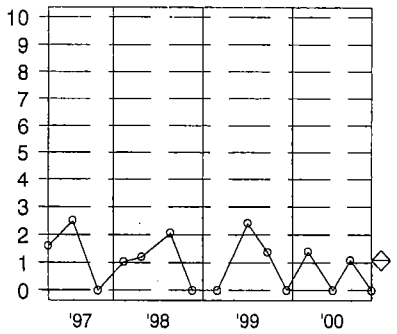
Source 10 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

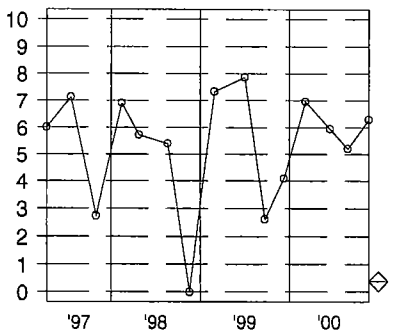
cis-1,2-Dichloroethene
(ug/l)



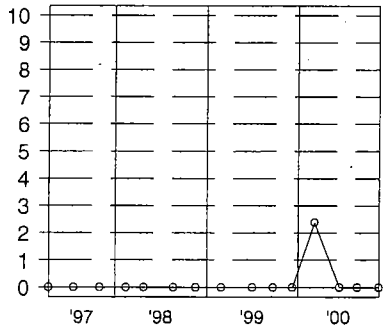
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



: 15

:
04/08/1997 - 11/20/2000

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 10 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene	Methyl-tert Butyl ether
:	-	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	0.388	-
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

: 16

:
04/08/1997 - 11/20/2000

:

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.

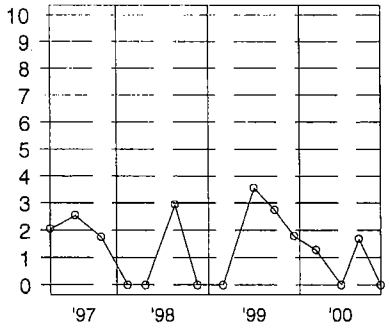
Fort Monmouth

GW Monitoring
Streams

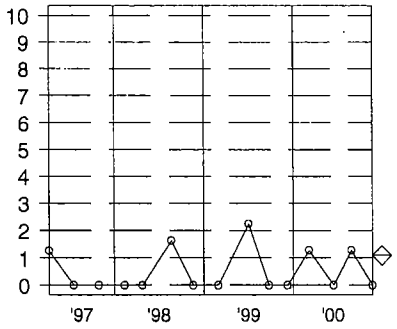
Source 11 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

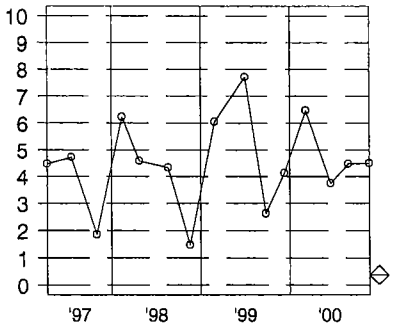
cis-1,2-Dichloroethene
(ug/l)



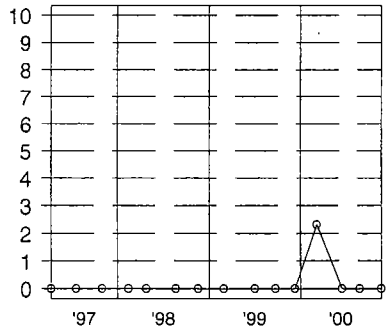
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



: 16

:
04/08/1997 - 11/20/2000

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 11 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	0.388	-	21000
04/08/1997	FMETL	ND	ND	ND	1.97	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	ND	1.59
04/21/1998	FMETL	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND
11/18/1998	FMETL	4.43	2.12	5.09	ND	ND
02/25/1999	FMETL	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	ND	ND
09/22/1999	FMETL	1.09	ND	ND	ND	ND
12/09/1999	FMETL	ND	ND	ND	ND	ND
03/01/2000	FMETL	ND	ND	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	ND	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	ND	ND

: 17

:
04/08/1997 - 11/20/2000

:

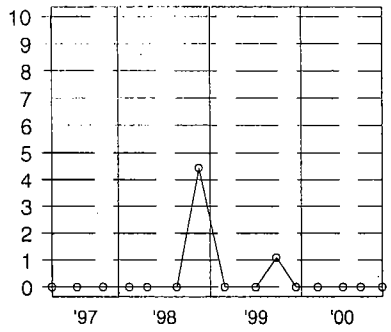
Page 1 of 1
stream 17 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
Acetone limit is NLE.
Chlorobenzene limit is 21000 ug/L.

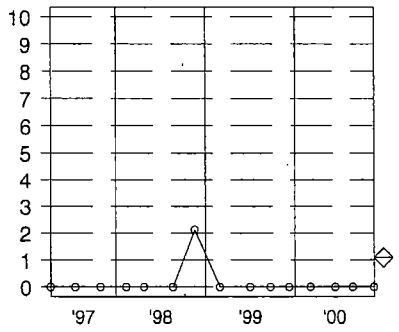
Fort Monmouth

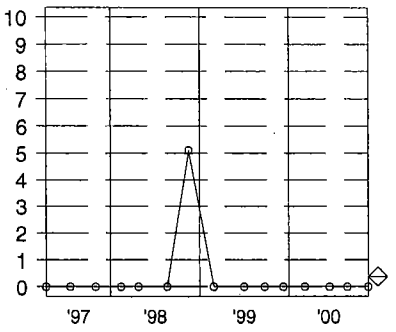
GW Monitoring
Streams

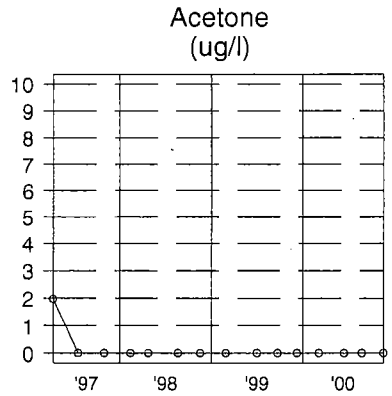
Source 12 of 23

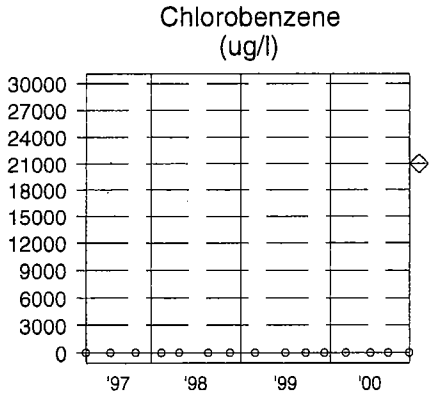
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







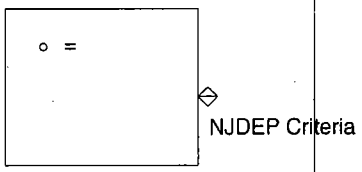




: 17

:
04/08/1997 - 11/20/2000

:



Fort Monmouth

GW Monitoring
Streams

Source 12 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Acetone
:	-	ug/l	ug/l
NJDEP Criteria:	-	-	-
04/08/1997	FMETL	ND	ND
07/17/1997	FMETL	1.06	ND
10/30/1997	FMETL	5.87	ND
02/10/1998	FMETL	14.36	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	4.65	ND
11/18/1998	FMETL	3.18	ND
02/25/1999	FMETL	3.95	ND
06/29/1999	FMETL	1.47	ND
09/21/1999	FMETL	4.67	ND
12/09/1999	FMETL	4.90	ND
03/01/2000	FMETL	5.57	ND
06/12/2000	FMETL	ND	ND
08/24/2000	FMETL	2.46	15.24
11/20/2000	FMETL	1.80	ND

: 18

:
04/08/1997 - 11/20/2000

:

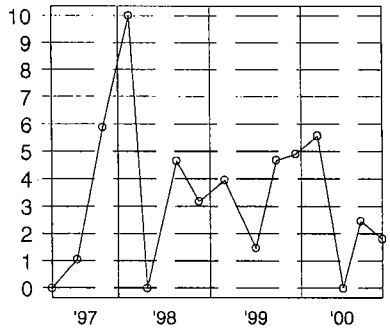
Page 1 of 1
Stream 18 is Fresh-Water.
cis-1,2-Di limit is NLE.

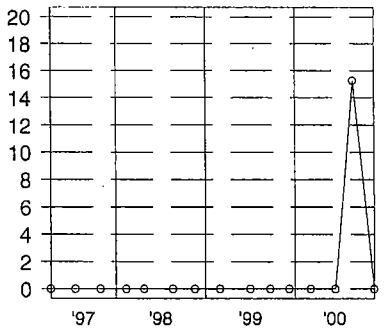
Fort Monmouth

GW Monitoring
Streams

Source 13 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





: 18

:
04/08/1997 - 11/20/2000

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 13 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Acetone
:	-	ug/l	ug/l
NJDEP Criteria:	-	-	-
04/08/1997	FMETL	6.44	ND
07/17/1997	FMETL	ND	ND
10/30/1997	FMETL	4.69	ND
02/10/1998	FMETL	8.22	ND
04/21/1998	FMETL	6.86	ND
08/19/1998	FMETL	2.95	ND
11/17/1998	FMETL	2.3	ND
02/25/1999	FMETL	2.30	ND
06/29/1999	FMETL	ND	ND
09/21/1999	FMETL	3.53	ND
12/09/1999	FMETL	2.60	ND
03/01/2000	FMETL	2.92	ND
06/12/2000	FMETL	ND	ND
08/24/2000	FMETL	2.07	ND
11/20/2000	FMETL	ND	ND

: 19

:
04/08/1997 - 11/20/2000

:

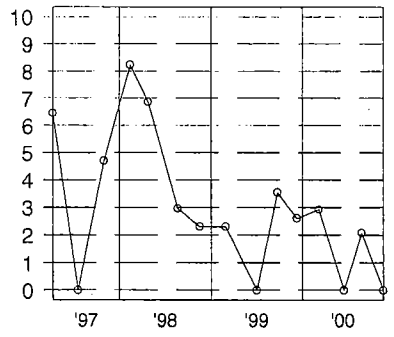
Page 1 of 1
Stream 19 is Salt-Water.
cis-1,2-Di limit is NLE.

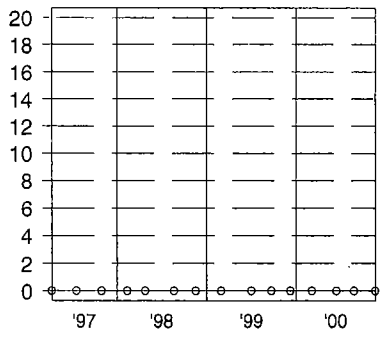
Fort Monmouth

GW Monitoring
Streams

Source 14 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





: 19

:
04/08/1997 - 11/20/2000

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 14 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methyl-tert Butyl ether	Ethyl benzene
:	-	ug/l	ug/l
NJDEP Criteria:	-	-	27900
04/08/1997	FMETL	ND	2.18
07/17/1997	FMETL	2.63	ND
10/30/1997	FMETL	ND	ND
02/10/1998	FMETL	ND	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	4.85	ND
11/17/1998	FMETL	ND	ND
02/25/1999	FMETL	ND	ND
06/29/1999	FMETL	5.70	ND
09/21/1999	FMETL	2.10	ND
12/09/1999	FMETL	ND	ND
03/01/2000	FMETL	ND	ND
06/12/2000	FMETL	6.38	ND
08/24/2000	FMETL	2.58	ND
11/20/2000	FMETL	ND	ND

: 20

:
04/08/1997 - 11/20/2000

:

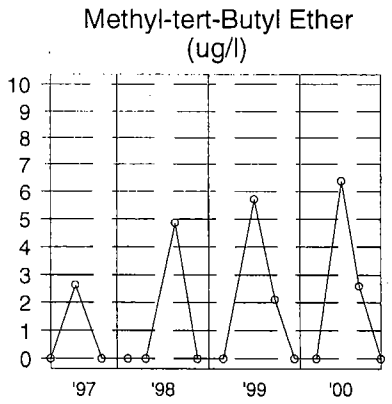
Page 1 of 1
Stream20 is Salt-Water.
Ethylben limit is 27900 ug/L.
MTBE limit is NLE..

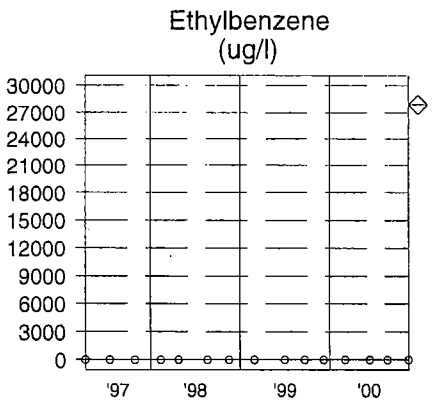
Fort Monmouth

GW Monitoring
Streams

Source 15 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





: 20

:
04/08/1997 - 11/20/2000

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 15 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di chloro ethene	Acetone	Methyl-tert Butyl ether
:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	-	-
04/08/1997	FMETL	ND	ND	ND
07/17/1997	FMETL	ND	ND	2.90
10/30/1997	FMETL	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND
08/19/1998	FMETL	ND	ND	4.71
11/17/1998	FMETL	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND
06/29/1999	FMETL	ND	ND	7.40
09/21/1999	FMETL	1.17	ND	2.24
12/09/1999	FMETL	ND	27.52	ND
03/01/2000	FMETL	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND
08/24/2000	FMETL	ND	4.56	2.67
11/20/2000	FMETL	ND	ND	ND

: 21

:
04/08/1997 - 11/20/2000

:

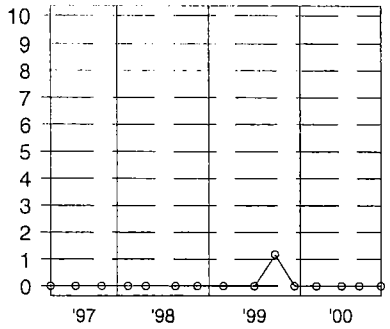
Page 1 of 1
Sream 21 is Salt-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.
MTBE limit is NLE.

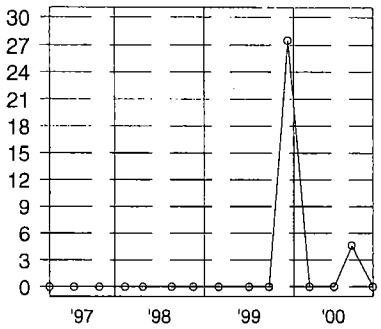
Fort Monmouth

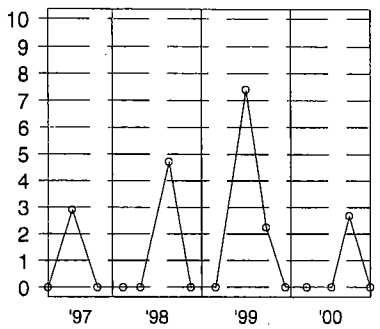
GW Monitoring
Streams

Source 16 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







: 21

:
04/08/1997 - 11/20/2000

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 16 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Acetone	Methyl-tert Butyl ether
:	-	ug/l	ug/l
NJDEP Criteria:	-	-	-
04/08/1997	FMETL	ND	ND
07/17/1997	FMETL	ND	4.26
10/30/1997	FMETL	ND	ND
02/10/1998	FMETL	ND	ND
04/21/1998	FMETL	ND	ND
08/19/1998	FMETL	ND	4.50
11/17/1998	FMETL	ND	ND
02/25/1999	FMETL	ND	ND
06/29/1999	FMETL	ND	8.30
09/21/1999	FMETL	ND	0.82
12/09/1999	FMETL	32.77	ND
03/01/2000	FMETL	ND	ND
06/12/2000	FMETL	ND	10.26
06/12/2000D	FMETL	ND	10.66
08/24/2000	FMETL	5.53	ND
11/20/2000	FMETL	ND	ND

: 22

:
04/08/1997 - 11/20/2000

:

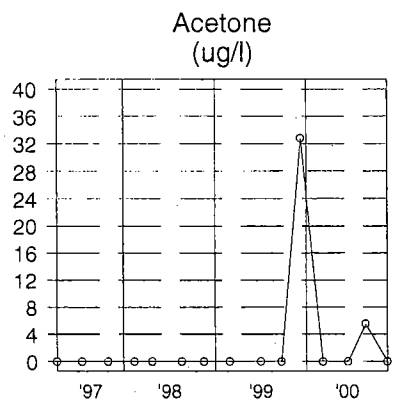
Page 1 of 1
Stream 22 is Salt-Water.
Acetone limit is NLE.
MTBE limit is NLE.

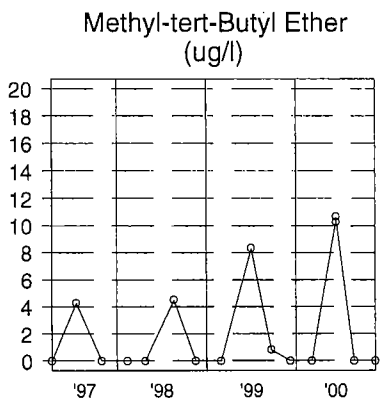
Fort Monmouth

GW Monitoring
Streams

Source 17 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





: 22

:
04/08/1997 - 11/20/2000

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 17 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene
:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	0.388
06/12/2000	FMETL	ND	ND	5.60
08/24/2000	FMETL	2.24	1.82	5.18
11/20/2000	FMETL	ND	ND	6.29

: 23

:
06/12/2000 - 11/20/2000

:

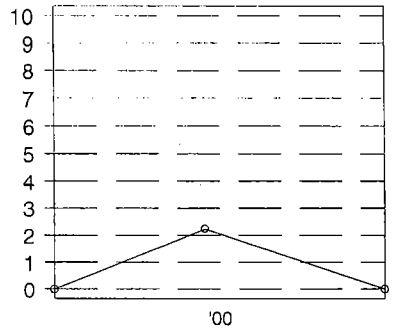
Page 1 of 1
Stream 23 is Fresh-Water

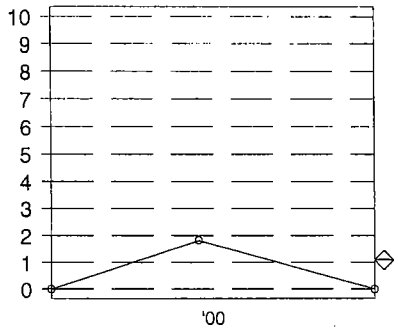
Fort Monmouth

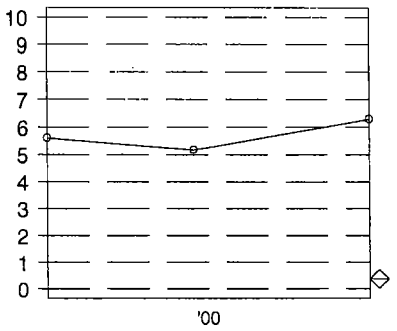
GW Monitoring
Streams

Source 18 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







: 23

:
06/12/2000 - 11/20/2000

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 18 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene
:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	0.388
06/12/2000	FMETL	ND	ND	4.72
08/24/2000	FMETL	1.54	1.41	4.33
11/20/2000	FMETL	ND	ND	4.41

: 24

:
06/12/2000 - 11/20/2000

:

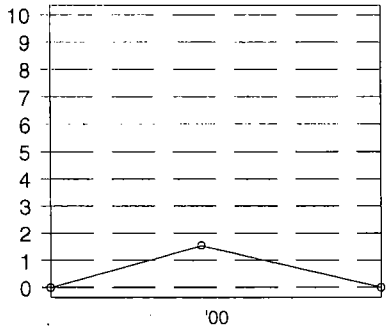
Page 1 of 2
Stream 24 is Fresh-Water

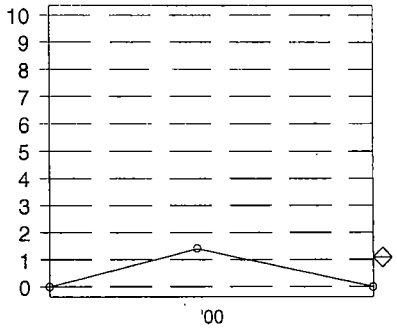
Fort Monmouth

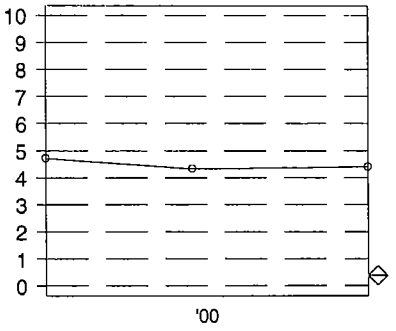
GW Monitoring
Streams

Source 19 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







: 24

:
06/12/2000 - 11/20/2000

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 19 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene
:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	0.388
06/12/2000	FMETL	ND	ND	ND
08/24/2000	FMETL	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND

: 25

:
06/12/2000 - 11/20/2000

:

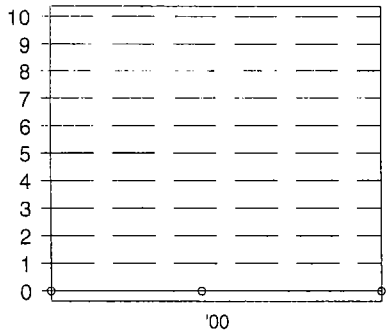
Page 1 of 1
Stream 25 is Salt-Water.

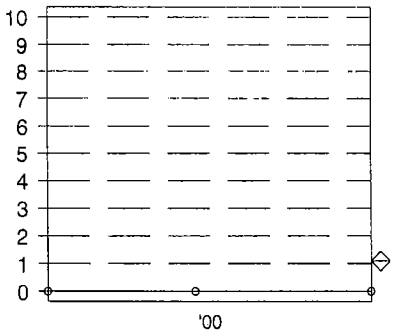
Fort Monmouth

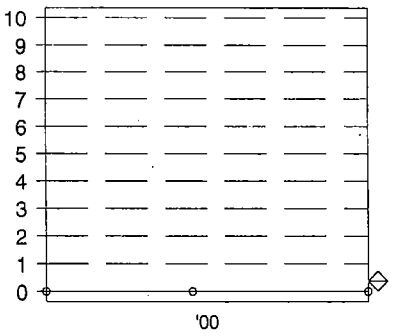
GW Monitoring
Streams

Source 20 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



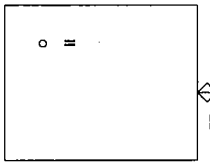




: 25

:
06/12/2000 - 11/20/2000

:



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 20 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene
:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	0.388
06/12/2000	FMETL	ND	ND	ND
08/24/2000	FMETL	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND

: 26

:
06/12/2000 - 11/20/2000

:

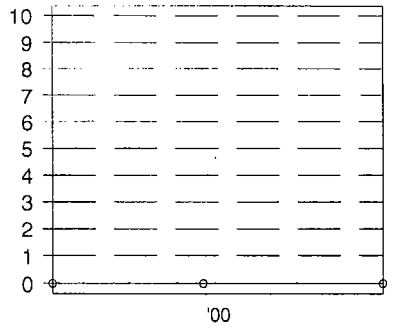
Page 1 of 1
Stream 26 is Fresh-Water

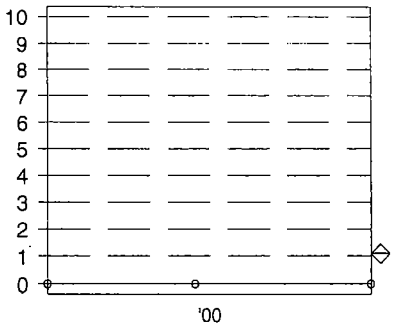
Fort Monmouth

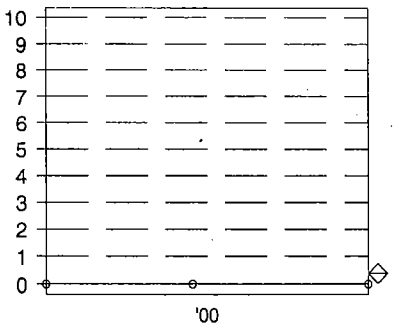
GW Monitoring
Streams

Source 21 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



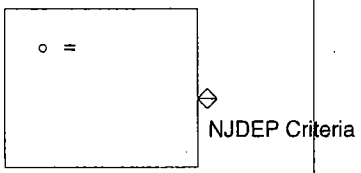




: 26

:
06/12/2000 - 11/20/2000

:



Fort Monmouth

GW Monitoring
Streams

Source 21 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Tetrachloroethene
:	-	ug/l
NJDEP Criteria:	-	0.388
06/12/2000	FMETL	ND
08/24/2000	FMETL	1.72
11/20/2000	FMETL	1.87

: 27

:
06/12/2000 - 11/20/2000

:

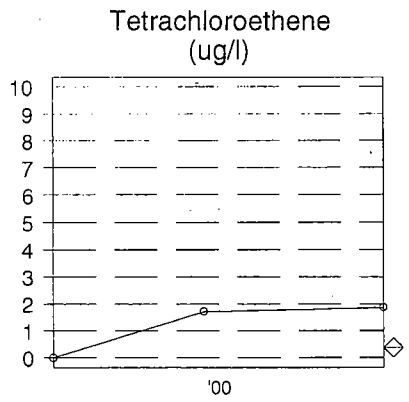
Page 1 of 1
Stream 27 is Salt Water.

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



: 27

:
06/12/2000 - 11/20/2000

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

12-06-2000 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-dichloroethene	Trichloroethene	Tetrachloroethene
:	-	ug/l	ug/l	ug/l
NJDEP Criteria:	-	-	1.09	0.388
06/12/2000	FMETL	ND	ND	ND
08/24/2000	FMETL	1.28	1.07	3.67
11/20/2000	FMETL	ND	ND	3.60

: 28

:
06/12/2000 - 11/20/2000

:

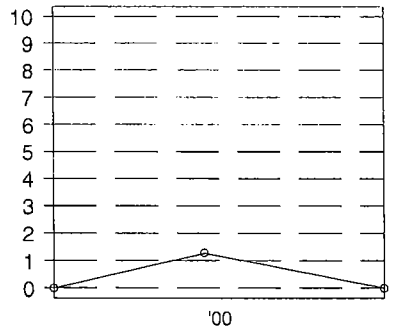
Page 1 of 1
Stream 28 is Salt-Water
cis-1,2-Dichloroethene limit is NLE
TCE limit is 81
PCE limit is 4.29

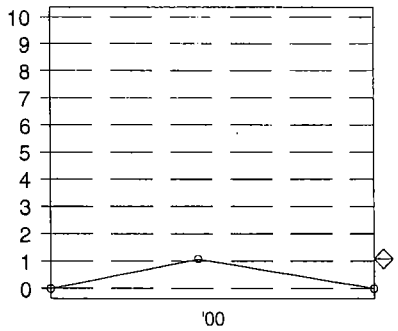
Fort Monmouth

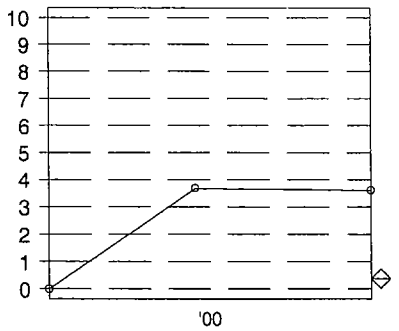
GW Monitoring
Streams

Source 23 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



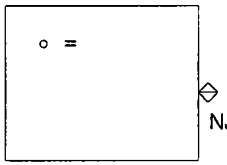




: 28

:
06/12/2000 - 11/20/2000

:



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 23 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732) 532-6224 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 1st QTR Streams

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site #22	954	Aqueous	21-Feb-01 07:30	02/21/01
Stream Site #21	955	Aqueous	21-Feb-01 07:39	02/21/01
Stream Site #20	956	Aqueous	21-Feb-01 07:47	02/21/01
Stream Site #09	957	Aqueous	21-Feb-01 08:12	02/21/01
Stream Site #19	958	Aqueous	21-Feb-01 08:25	02/21/01
Stream Site #12	959	Aqueous	21-Feb-01 08:37	02/21/01
Stream Site #18	960	Aqueous	21-Feb-01 08:49	02/21/01
Stream Site #11	961	Aqueous	21-Feb-01 09:02	02/21/01
Stream Site #15	962	Aqueous	21-Feb-01 09:27	02/21/01
Stream Site #16	963	Aqueous	21-Feb-01 09:39	02/21/01
Stream Site #13	964	Aqueous	21-Feb-01 09:59	02/21/01
Stream Site #05	1309	Aqueous	08-Mar-01 09:49	03/08/01
Stream Site #04	1310	Aqueous	08-Mar-01 09:42	03/08/01
Stream Site #07	1311	Aqueous	08-Mar-01 09:28	03/08/01
Stream Site #17	1312	Aqueous	08-Mar-01 10:02	03/08/01
Stream Site #03	1313	Aqueous	08-Mar-01 10:14	03/08/01
Stream Site #14	1314	Aqueous	08-Mar-01 10:32	03/08/01
Stream Site #23	1315	Aqueous	08-Mar-01 09:00	03/08/01
Stream Site #24	1316	Aqueous	08-Mar-01 09:11	03/08/01
Stream Site #25	1317	Aqueous	08-Mar-01 09:56	03/08/01
Stream Site #26	1318	Aqueous	08-Mar-01 10:08	03/08/01
Stream Site #27	1319	Aqueous	08-Mar-01 09:20	03/08/01
Stream Site #28	1320	Aqueous	08-Mar-01 09:37	03/08/01

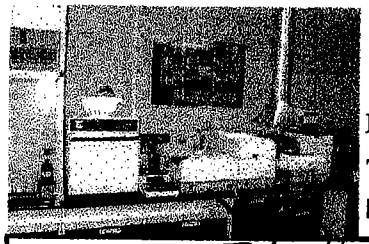
ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, PCB's, WET CHEMISTRY

3-27-01

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

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 #: X24223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: Streams 1st Qrtr '01

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VO+15 | PCB | T. Coli ✓ | NH_3 / [illegible] | PO_4 / SO_4 | °C Temp | pH SU | Dssld Oxy

Comments: HCl/H_2SO_4/4°C

Lims Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VO+15	PCB	T. Coli	NH_3	PO_4/SO_4	°C Temp	pH SU	Dssld Oxy	Remarks / Preservation Method	
951 .01	Trip	2/21/01	0700	AQ	2	✓					—	—	—		
952 .02	Field Blank		0720		5	✓	✓		✓	✓	—	—	—	Salinity	
953 .03	Dupe		—		6	✓	✓	✓	✓	✓	—	—	—	%	$D\frac{20}{20}$
954 .04	SS #22		0730		6	✓	✓	✓	✓	✓	3.9°	8.80	7.21	19.0	1.013
955 .05	#21		0739			✓	✓	✓	✓	✓	4.1°	8.59	7.25	19.0	1.014
956 .06	#20		0747			✓	✓	✓	✓	✓	4.0°	8.66	7.24	19.0	1.014
957 .07	#09		0812			✓	✓	✓	✓	✓	5.0	7.24	7.11	0.0	1.000
958 .08	#19 *		0825			✓	✓	✓	✓	✓	5.4	7.27	7.19	0.0	1.000
959 .09	#12		0837			✓	✓	✓	✓	✓	6.5	7.46	7.05	0.0	1.000
960 .10	#18		0849			✓	✓	✓	✓	✓	6.0°	7.27	7.01	0.0	1.000
961 .11	#11		0902			✓	✓	✓	✓	✓	8.0	7.29	7.77	0.0	1.000
962 .12	#15		0927			✓	✓	✓	✓	✓	6.6	7.19	8.14	0.0	1.000 cloud
963 .13	#~~13~~ 16		0939			✓	✓	✓	✓	✓	6.7	7.16	6.93	0.0	1.000 cloud
964 .14	#~~16~~ 13		0959			✓	✓	✓	✓	✓	6.7	7.14	8.17	0.0	1.000 cloud

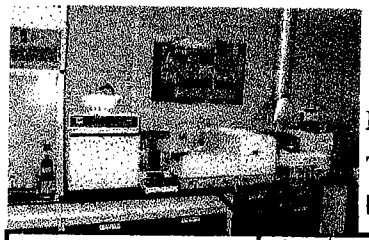
Relinquished by (signature)	Date/Time	Received by (signature)	Relinquished by (signature)	Date/Time	Received by (signature)
Corey McCormack	2/21/01 1035	[signature]			
Relinquished by (signature)	Date/Time	Received by (signature)	Relinquished by (signature)	Date/Time	Received by (signature)
		[signature]			

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

Coc.xls2/6/01



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: JFollow
Phone #: X216223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: Streams
Part II 1st Qtr '01

Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOTs	PCB	T. Coli	NH_3/TKN	PO_4/SO4	°C Temp	SU pH	Dsslvd Oxy	Remarks / Preservation Method	
						Analysis Parameters								Comments: HCl/H_2SO_4/4°C	
1306 .01	Trip	3/8/01	0745	AQ	2	✓					—	—	—	Salinity	
1307 .02	Field Blank		0850		5	✓	✓		✓	✓	—	—	—	0.0	D 20/22
1308 .03	Dupe		—		6	✓	✓	✓	✓	✓	—	—	—	—	—
1309	SS #5		0949		6	✓	✓	✓	✓	✓	4.1	7.01	8.74	3.0	1,002
1310	#4		0942			✓	✓	✓	✓	✓	3.8	7.03	8.99	4.0	1,003
1311	#7		0928			✓	✓	✓	✓	✓	3.5	7.31	8.87	11.00	1.008
1312	#17		1002			✓	✓	✓	✓	✓	3.4	7.07	8.81	2.0	1.001
1313	#3		1014			✓	✓	✓	✓	✓	3.3	7.09	8.92	0.0	1.000
1314	#14 ★		1032			✓	✓	✓	✓	✓	3.3	7.08	8.97	0.0	1.000
1315	#23		0900			✓	✓	✓	✓	✓	3.7	6.95	9.27	0.0	1.000
1316	#24		0911			✓	✓	✓	✓	✓	3.8	6.93	9.25	0.0	1.000
1317	#25		0956			✓	✓	✓	✓	✓	4.0	7.05	8.77	2.0	1.001
1318	#26		1008			✓	✓	✓	✓	✓	3.3	7.08	8.80	1.0	1.001
1319	#27		0920			✓	✓	✓	✓	✓	3.4	7.34	8.41	13.0	1.010
1320	#28		0937			✓	✓	✓	✓	✓	3.6	7.10	4.98	5.0	1.003

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	3/8/01 1125				
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→O
Recent storm, High Tides thru normal / excess runoff,

print legibly

Coc.xls11/15/00

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	**VC005054.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB 022601**
Date Aquired	**26-Feb-01**	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	
75-34-3	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	
156594	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

3/1/01 1:52 PM

D:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	**VC005054.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB 022601**
Date Aquired	**26-Feb-01**	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	
75-34-3	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	
156594	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

3/1/01 1:53 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 022601**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 951-964 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005054.D

Level: (low/med) LOW Date Received: 2/21/01

% Moisture: not dec. Date Analyzed: 2/26/01

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	**VC005088.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**28-Feb-01**	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	
75-34-3	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	
156594	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

3/1/01 1:52 PM

D:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	**VC005088.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**28-Feb-01**	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	
75-34-3	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	
156594	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

3/1/01 1:53 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 022801**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 951-964 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005088.D

Level: (low/med) LOW Date Received: 2/21/01

% Moisture: not dec. Date Analyzed: 2/28/01

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	**VC005203.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB 031201**
Date Aquired	**12-Mar-01**	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	
75-34-3	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	
156594	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

3/13/01 3:34 PM

D:\HPCHEM\Custrpt\Volatile\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	**VC005203.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB 031201**
Date Aquired	**12-Mar-01**	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	
75-34-3	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	
156594	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

3/13/01 3:34 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 031201**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 1306-132 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: MB

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005203.D

Level: (low/med) LOW Date Received: 3/8/01

% Moisture: not dec. _____ Date Analyzed: 3/12/01

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	**VC005077.D**	Sample Name	**951**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**27-Feb-01**	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	
75-34-3	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	
156594	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

3/1/01 1:52 PM

D:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	**VC005077.D**	Sample Name	**951**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**27-Feb-01**	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	
75-34-3	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	
156594	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

3/1/01 1:53 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 951-964 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 951

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005077.D

Level: (low/med) LOW Date Received: 2/21/01

% Moisture: not dec. Date Analyzed: 2/27/01

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	**VC005214.D**	Sample Name	**1306**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**12-Mar-01**	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	
75-34-3	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	
156594	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

3/13/01 3:34 PM

D:\HPCHEM\Custrpt\Volatile\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	**VC005214.D**	Sample Name	**1306**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**12-Mar-01**	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	
75-34-3	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	
156594	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

3/13/01 3:34 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 1306-132 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1306

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005214.D

Level: (low/med) LOW Date Received: 3/8/01

% Moisture: not dec. Date Analyzed: 3/12/01

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	**VC005078.D**	Sample Name	**952**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**27-Feb-01**	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	
75-34-3	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	
156594	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

3/1/01 1:52 PM

D:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	**VC005078.D**	Sample Name	**952**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**27-Feb-01**	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	
75-34-3	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	
156594	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

3/1/01 1:53 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 951-964 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 952

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005078.D

Level: (low/med) LOW Date Received: 2/21/01

% Moisture: not dec. _____ Date Analyzed: 2/27/01

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	**VC005215.D**	Sample Name	**1307**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**12-Mar-01**	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	
75-34-3	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	
156594	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

3/13/01 3:34 PM

D:\HPCHEM\Custrpt\Volatile\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	**VC005215.D**	Sample Name	**1307**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**12-Mar-01**	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	
75-34-3	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	
156594	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

3/13/01 3:35 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 1306-132 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1307

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005215.D

Level: (low/med) LOW Date Received: 3/8/01

% Moisture: not dec. _____ Date Analyzed: 3/12/01

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	**VC005079.D**	Sample Name	**953**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**27-Feb-01**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.74	258901	3.87 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

3/1/01 1:52 PM

D:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	**VC005079.D**	Sample Name	**953**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**27-Feb-01**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.74	258901	3.87 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

3/1/01 1:53 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 951-964 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 953

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005079.D

Level: (low/med) LOW Date Received: 2/21/01

% Moisture: not dec. Date Analyzed: 2/27/01

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	**VC005216.D**	Sample Name	**1308**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**12-Mar-01**	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	
75-34-3	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	
156594	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

3/13/01 3:34 PM

D:\HPCHEM\Custrpt\Volatile\FRESHWATER.CRT

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	**VC005216.D**	Sample Name	**1308**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**12-Mar-01**	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	
75-34-3	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	
156594	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

3/13/01 3:35 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 1306-132 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1308

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005216.D

Level: (low/med) LOW Date Received: 3/8/01

% Moisture: not dec. _____ Date Analyzed: 3/12/01

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	**VC005221.D**	Sample Name	**1313**
Operator	**Skelton**	Field ID	**SS#03**
Date Aquired	**13-Mar-01**	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	
75-34-3	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	
156594	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

3/13/01 3:34 PM

D:\HPCHEM\Custrpt\Volatile\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#03**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 1306-132 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1313

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005221.D

Level: (low/med) LOW Date Received: 3/8/01

% Moisture: not dec. _____ Date Analyzed: 3/13/01

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	**VC005218.D**	Sample Name	**1310**
Operator	**Skelton**	Field ID	**SS#04**
Date Aquired	**13-Mar-01**	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	
75-34-3	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	
156594	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	25.29	115116	2.52 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

3/13/01 3:35 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#04**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 1306-132 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1310

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005218.D

Level: (low/med) LOW Date Received: 3/8/01

% Moisture: not dec. _____ Date Analyzed: 3/13/01

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	**VC005217.D**	Sample Name	**1309**
Operator	**Skelton**	Field ID	**SS#05**
Date Aquired	**12-Mar-01**	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	
75-34-3	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	
156594	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

3/13/01 3:35 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#05**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 1306-132 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1309

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005217.D

Level: (low/med) LOW Date Received: 3/8/01

% Moisture: not dec. _____ Date Analyzed: 3/12/01

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	**VC005219.D**	Sample Name	**1311**
Operator	**Skelton**	Field ID	**SS#07**
Date Aquired	**13-Mar-01**	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	
75-34-3	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	
156594	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

3/13/01 3:35 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#07**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 1306-132 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1311

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005219.D

Level: (low/med) LOW Date Received: 3/8/01

% Moisture: not dec. _____ Date Analyzed: 3/13/01

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	**VC005083.D**	Sample Name	**957**
Operator	**Skelton**	Field ID	**SS#09**
Date Aquired	**27-Feb-01**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.74	123432	1.72 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

3/1/01 1:53 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#09**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 951-964 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 957

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005083.D

Level: (low/med) LOW Date Received: 2/21/01

% Moisture: not dec. _____ Date Analyzed: 2/27/01

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	**VC005091.D**	Sample Name	**961**
Operator	**Skelton**	Field ID	**SS#11**
Date Aquired	**28-Feb-01**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.74	607753	8.26 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

3/1/01 1:52 PM

D:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#11**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 951-964 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 961

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005091.D

Level: (low/med) LOW Date Received: 2/21/01

% Moisture: not dec. _____ Date Analyzed: 2/28/01

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	**VC005089.D**	Sample Name	**959**
Operator	**Skelton**	Field ID	**SS#12**
Date Aquired	**28-Feb-01**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.74	146871	1.89 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

3/1/01 1:52 PM

D:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#12**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 951-964 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 959

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005089.D

Level: (low/med) LOW Date Received: 2/21/01

% Moisture: not dec. _____ Date Analyzed: 2/28/01

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	**VC005094.D**	Sample Name	**964**
Operator	**Skelton**	Field ID	**SS#13**
Date Aquired	**28-Feb-01**	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	
75-34-3	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	
156594	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

3/1/01 1:52 PM

D:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#13**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 951-964 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 964

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005094.D

Level: (low/med) LOW Date Received: 2/21/01

% Moisture: not dec. _____ Date Analyzed: 2/28/01

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	**VC005222.D**	Sample Name	**1314**
Operator	**Skelton**	Field ID	**SS#14**
Date Aquired	**13-Mar-01**	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	
75-34-3	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	
156594	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

3/13/01 3:34 PM

D:\HPCHEM\Custrpt\Volatile\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#14**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 1306-132 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1314

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005222.D

Level: (low/med) LOW Date Received: 3/8/01

% Moisture: not dec. _____ Date Analyzed: 3/13/01

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	**VC005092.D**	Sample Name	**962**
Operator	**Skelton**	Field ID	**SS#15**
Date Aquired	**28-Feb-01**	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	
75-34-3	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	
156594	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	25.28	265165	7.19 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

3/1/01 1:52 PM

D:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#15**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 951-964 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 962

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005092.D

Level: (low/med) LOW Date Received: 2/21/01

% Moisture: not dec. _____ Date Analyzed: 2/28/01

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	**VC005093.D**	Sample Name	**963**
Operator	**Skelton**	Field ID	**SS#16**
Date Aquired	**28-Feb-01**	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	
75-34-3	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	
156594	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	25.28	225321	6.25 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

3/1/01 1:53 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#16**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 951-964 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 963

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005093.D

Level: (low/med) LOW Date Received: 2/21/01

% Moisture: not dec. _____ Date Analyzed: 2/28/01

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	**VC005220.D**	Sample Name	**1312**
Operator	**Skelton**	Field ID	**SS#17**
Date Aquired	**13-Mar-01**	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	
75-34-3	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	
156594	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

3/13/01 3:35 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#17**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 1306-132 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1312

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005220.D

Level: (low/med) LOW Date Received: 3/8/01

% Moisture: not dec. _____ Date Analyzed: 3/13/01

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	**VC005090.D**	Sample Name	**960**
Operator	**Skelton**	Field ID	**SS#18**
Date Aquired	**28-Feb-01**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.74	305827	4.10 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

3/1/01 1:52 PM

D:\HPCHEM\CUSTRPT\VOLATILE\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#18**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 951-964 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 960

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005090.D

Level: (low/med) LOW Date Received: 2/21/01

% Moisture: not dec. _____ Date Analyzed: 2/28/01

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	**VC005084.D**	Sample Name	**958**
Operator	**Skelton**	Field ID	**SS#19**
Date Aquired	**27-Feb-01**	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	
75-34-3	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	
156594	cis-1,2-Dichloroethene	15.74	210295	2.99 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

3/1/01 1:53 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#19**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 951-964 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 958

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005084.D

Level: (low/med) LOW Date Received: 2/21/01

% Moisture: not dec. Date Analyzed: 2/27/01

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	**VC005082.D**	Sample Name	**956**
Operator	**Skelton**	Field ID	**SS#20**
Date Aquired	**27-Feb-01**	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	
75-34-3	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	
156594	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

3/1/01 1:53 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#20**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 951-964 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 956

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005082.D

Level: (low/med) LOW Date Received: 2/21/01

% Moisture: not dec. Date Analyzed: 2/27/01

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	**VC005081.D**	Sample Name	**955**
Operator	**Skelton**	Field ID	**SS#21**
Date Aquired	**27-Feb-01**	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	
75-34-3	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	
156594	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

3/1/01 1:53 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#21**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 951-964 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 955

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005081.D

Level: (low/med) LOW Date Received: 2/21/01

% Moisture: not dec. Date Analyzed: 2/27/01

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	**VC005080.D**	Sample Name	**954**
Operator	**Skelton**	Field ID	**SS#22**
Date Aquired	**27-Feb-01**	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	
75-34-3	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	
156594	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

3/1/01 1:53 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#22**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 951-964 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 954

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005080.D

Level: (low/med) LOW Date Received: 2/21/01

% Moisture: not dec. Date Analyzed: 2/27/01

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	**VC005223.D**	Sample Name	**1315**
Operator	**Skelton**	Field ID	**SS#23**
Date Aquired	**13-Mar-01**	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	
75-34-3	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	
156594	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	25.29	215243	4.78 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

3/13/01 3:34 PM

D:\HPCHEM\Custrpt\Volatile\FRESHWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#23**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 1306-132 Location: Stream SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1315

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005223.D

Level: (low/med) LOW Date Received: 3/8/01

% Moisture: not dec. Date Analyzed: 3/13/01

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	**VC005224.D**	Sample Name	**1316**
Operator	**Skelton**	Field ID	**SS#24**
Date Aquired	**13-Mar-01**	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	
75-34-3	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	
156594	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	25.29	213579	4.76 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: **SS#24**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 1306-132 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1316

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005224.D

Level: (low/med) LOW Date Received: 3/8/01

% Moisture: not dec. _____ Date Analyzed: 3/13/01

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	**VC005225.D**	Sample Name	**1317**
Operator	**Skelton**	Field ID	**SS#25**
Date Aquired	**13-Mar-01**	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	
75-34-3	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	
156594	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

3/13/01 3:35 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#25**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 1306-132 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1317

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005225.D

Level: (low/med) LOW Date Received: 3/8/01

% Moisture: not dec. _____ Date Analyzed: 3/13/01

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	**VC005226.D**	Sample Name	**1318**
Operator	**Skelton**	Field ID	**SS#26**
Date Aquired	**13-Mar-01**	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	
75-34-3	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	
156594	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

3/13/01 3:35 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#26**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 1306-132 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1318

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005226.D

Level: (low/med) LOW Date Received: 3/8/01

% Moisture: not dec. _____ Date Analyzed: 3/13/01

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	**VC005227.D**	Sample Name	**1319**
Operator	**Skelton**	Field ID	**SS#27**
Date Aquired	**13-Mar-01**	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	
75-34-3	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	
156594	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

3/13/01 3:35 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#27**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 1306-132 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1319

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005227.D

Level: (low/med) LOW Date Received: 3/8/01

% Moisture: not dec. _____ Date Analyzed: 3/13/01

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	**VC005228.D**	Sample Name	**1320**
Operator	**Skelton**	Field ID	**SS#28**
Date Aquired	**13-Mar-01**	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	
75-34-3	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	
156594	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	25.28	116341	2.56 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

3/13/01 3:35 PM

D:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **SS#28**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 1306-132 Location: Stream SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1320

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC005228.D

Level: (low/med) LOW Date Received: 3/8/01

% Moisture: not dec. _____ Date Analyzed: 3/13/01

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

PCB's

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	MB-1026
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	2/23/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/26/01
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	MB-1057
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/21/01
	Bldg. 173	**Extraction Date:**	2/27/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/28/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**
Arochlor 1268	**1**		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	MB-1466
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	3/14/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/16/01
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	952
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/21/01
	Bldg. 173	**Extraction Date:**	2/23/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/27/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	1307
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/8/01
	Bldg. 173	**Extraction Date:**	3/14/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/16/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	953
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/21/01
	Bldg. 173	**Extraction Date:**	2/23/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/27/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Dupe
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	1308
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/8/01
	Bldg. 173	**Extraction Date:**	3/14/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/16/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Dupe
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	1313
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/8/01
	Bldg. 173	**Extraction Date:**	3/14/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/16/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	ss #3
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	1310
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/8/01
	Bldg. 173	**Extraction Date:**	3/14/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/16/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	ss #4
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**
Arochlor 1268	**1**		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	1309
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/8/01
	Bldg. 173	**Extraction Date:**	3/14/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/16/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	ss #5
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	1311
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/8/01
	Bldg. 173	**Extraction Date:**	3/14/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/16/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	ss #7
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	957
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/21/01
	Bldg. 173	**Extraction Date:**	2/27/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/28/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #09
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	961
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/21/01
	Bldg. 173	**Extraction Date:**	2/27/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/28/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #11
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	959
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/21/01
	Bldg. 173	**Extraction Date:**	2/27/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/28/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #12
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	964
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/21/01
	Bldg. 173	**Extraction Date:**	2/27/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/28/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #13
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	1314
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/8/01
	Bldg. 173	**Extraction Date:**	3/14/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/16/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	ss #14
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**
Arochlor 1268	**1**		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	962
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/21/01
	Bldg. 173	**Extraction Date:**	2/27/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/28/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #15
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	963
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/21/01
	Bldg. 173	**Extraction Date:**	2/27/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/28/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #16
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	1312
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/8/01
	Bldg. 173	**Extraction Date:**	3/14/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/16/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	ss #17
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	960
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/21/01
	Bldg. 173	**Extraction Date:**	2/27/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/28/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #18
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	958
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/21/01
	Bldg. 173	**Extraction Date:**	2/27/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/28/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #19
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**
Arochlor 1268	**1**		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	956
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/21/01
	Bldg. 173	**Extraction Date:**	2/23/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/27/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #20
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	**ND**
Arochlor 1221	1		0.50	0.1593	**ND**
Arochlor 1232	1		0.50	0.0650	**ND**
Arochlor 1242	1		0.50	0.1047	**ND**
Arochlor 1248	1		0.50	0.0629	**ND**
Arochlor 1254	1		0.50	0.0742	**ND**
Arochlor 1260	1		0.50	0.0782	**ND**
Arochlor 1268	1		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	955
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/21/01
	Bldg. 173	**Extraction Date:**	2/23/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/27/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #21
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	954
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/21/01
	Bldg. 173	**Extraction Date:**	2/23/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/27/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	SS #22
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**
Arochlor 1268	**1**		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	1315
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/8/01
	Bldg. 173	**Extraction Date:**	3/14/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/16/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	ss #23
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	1316
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/8/01
	Bldg. 173	**Extraction Date:**	3/14/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/16/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	ss #24
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	**1**		0.50	0.0519	**ND**
Arochlor 1221	**1**		0.50	0.1593	**ND**
Arochlor 1232	**1**		0.50	0.0650	**ND**
Arochlor 1242	**1**		0.50	0.1047	**ND**
Arochlor 1248	**1**		0.50	0.0629	**ND**
Arochlor 1254	**1**		0.50	0.0742	**ND**
Arochlor 1260	**1**		0.50	0.0782	**ND**
Arochlor 1268	**1**		0.50	0.0500	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	1317
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/8/01
	Bldg. 173	**Extraction Date:**	3/14/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/16/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	ss #25
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	1318
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/8/01
	Bldg. 173	**Extraction Date:**	3/14/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/16/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	ss #26
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	1319
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/8/01
	Bldg. 173	**Extraction Date:**	3/14/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/16/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	ss #27
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client :	U.S. Army	**Lab. ID # :**	1320
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/8/01
	Bldg. 173	**Extraction Date:**	3/14/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/16/01
Analysis:	EPA Method 608	**Location :**	Streams
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	ss #28
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
Arochlor 1016	1		0.50	0.0519	ND
Arochlor 1221	1		0.50	0.1593	ND
Arochlor 1232	1		0.50	0.0650	ND
Arochlor 1242	1		0.50	0.1047	ND
Arochlor 1248	1		0.50	0.0629	ND
Arochlor 1254	1		0.50	0.0742	ND
Arochlor 1260	1		0.50	0.0782	ND
Arochlor 1268	1		0.50	0.0500	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-5 30m/.32mm ID/.25um
Column-Confirmation: Rtx-35 30m/.32mm ID/.25um

WET CHEMISTRY

Stream Water Analysis
1st Quarter 2001

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)
954	2/21/01	22	8.80	ND	.05	ND	2050	7.21	40	20
955	2/21/01	21	8.59	ND	0.4	ND	1700	7.25	20	0
956	2/21/01	20	8.66	ND	0.4	ND	1800	7.24	20	40
957	2/21/01	9	7.24	0.197	1.6	ND	40	7.11	100	0
958	2/21/01	19	7.27	0.10	1.6	ND	26	7.19	140	80
959	2/21/01	12	7.46	ND	1.8	ND	28	7.05	60	20
960	2/21/01	18	7.27	ND	1.5	ND	26	7.01	200	0
961	2/21/01	11	7.29	ND	1.9	ND	25	7.77	120	120
962	2/21/01	15	7.19	0.51	0.9	ND	31	8.14	640	0
963	2/21/01	16	7.16	0.56	1.0	ND	33	6.93	520	0
964	2/21/01	13	7.14	0.55	0.9	ND	32	8.17	760	0
1309	3/8/01	5	7.01	ND	1.1	ND	100	8.79	300	20
1310	3/8/01	4	7.03	ND	1.1	ND	300	8.99	440	0
1311	3/8/01	7	7.31	ND	1.0	ND	225	8.87	100	20
1312	3/8/01	17	7.07	ND	1.3	ND	200	8.81	500	0
1313	3/8/01	3	7.09	ND	1.9	ND	225	8.92	280	100
1314	3/8/01	14	7.08	ND	1.9	ND	32	8.97	140	20
1315	3/8/01	23	6.95	ND	2.6	ND	41	9.27	280	20
1316	3/8/01	24	6.93	ND	1.9	ND	39	9.25	560	0
1317	3/8/01	25	7.05	ND	1.2	ND	275	8.77	380	20
1318	3/8/01	26	7.08	ND	1.3	ND	200	8.80	200	100
1319	3/8/01	27	7.34	ND	1.2	ND	200	8.91	20	0
1320	3/8/01	28	7.10	ND	0.9	ND	200	8.98	200	20

mg/L = parts per million
cfu = colony forming units
ND = Not detected

Completed: 3/19/01
Reviewed: 3/19/01

3-21-01

Daniel K. Wright

Laboratory Director

LTM

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	2.00	ND	ND	ND	ND	ND	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
11/18/1998	FMETL	ND	ND	ND	1.09	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
09/22/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
12/09/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
03/01/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
03/08/2001	FMETL	ND	ND	ND	ND	ND	ND	ND

: 3

:
04/08/1997 - 03/08/2001

:

Stream 3 is Fresh-Water.
MeCl limit is 2.49 ug/L.
PCE limit is 0.388 ug/L.

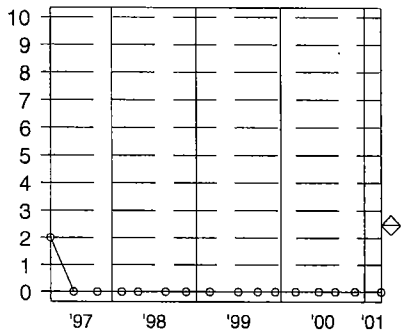
Fort Monmouth

GW Monitoring
Streams

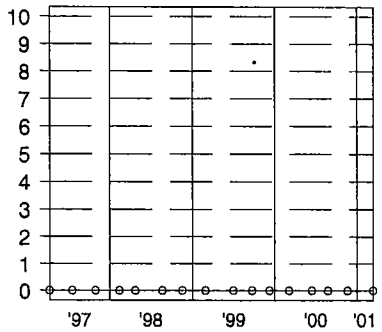
Source 1 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

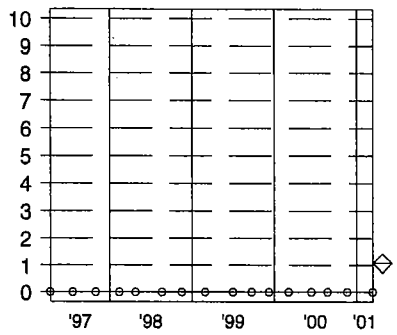
Methylene Chloride
(ug/l)



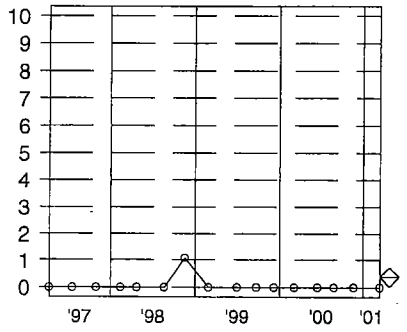
cis-1,2-Dichloroethene
(ug/l)



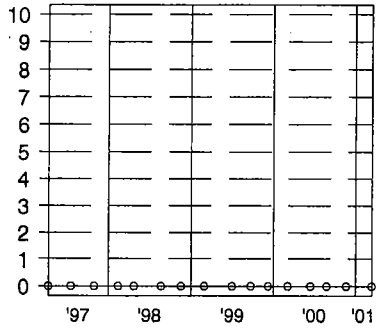
Trichloroethene
(ug/l)



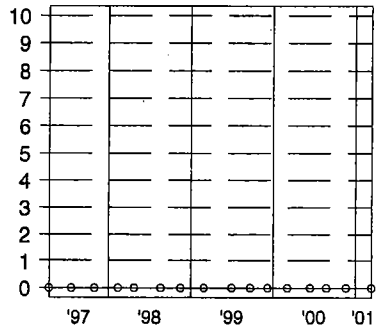
Tetrachloroethene
(ug/l)



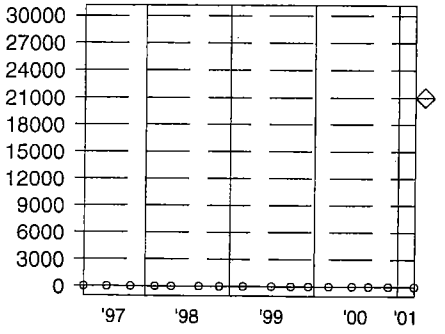
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



: 3

:
04/08/1997 - 03/08/2001

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 1 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	ND	2.18	ND	ND	ND	ND	ND
07/17/1997	FMETL	ND	1.63	ND	1.61	ND	ND	ND
10/30/1997	FMETL	ND	ND	ND	1.24	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	6.61	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND	4.42	ND	ND	ND
08/19/1998	FMETL	ND	1.92	1.10	2.85	ND	ND	ND
11/17/1998	FMETL	ND	1.19	ND	1.62	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND	5.61	ND	ND	ND
06/29/1999	FMETL	ND	2.41	1.56	5.27	ND	ND	ND
09/22/1999	FMETL	ND	2.02	ND	1.85	ND	ND	ND
12/09/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
03/01/2000	FMETL	ND	1.23	1.26	6.18	ND	2.18	ND
06/12/2000	FMETL	ND	ND	ND	4.37	ND	ND	ND
08/24/2000	FMETL	ND	1.19	1.19	3.19	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	3.70	ND	ND	ND
03/08/2001	FMETL	ND	ND	ND	2.52	ND	ND	ND

: 4

:
04/08/1997 - 03/08/2001

:

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

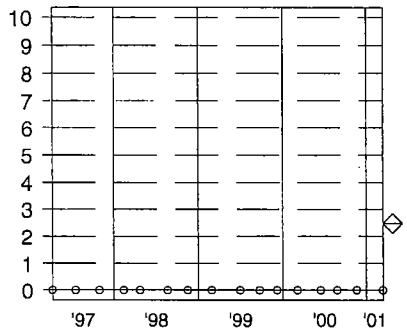
Fort Monmouth

GW Monitoring
Streams

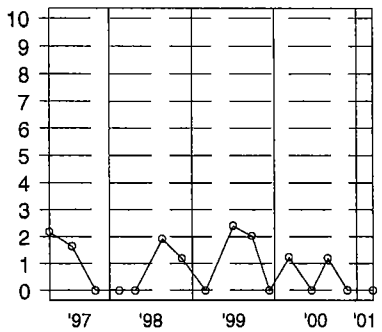
Source 2 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

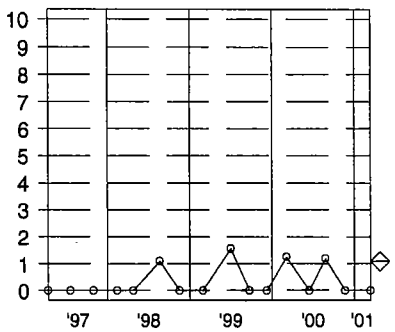
Methylene Chloride
(ug/l)



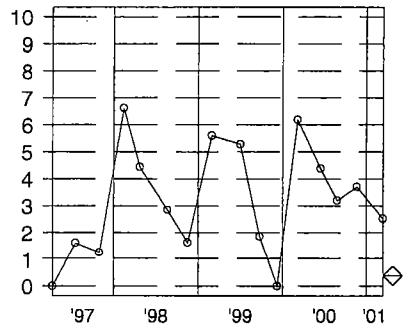
cis-1,2-Dichloroethene
(ug/l)



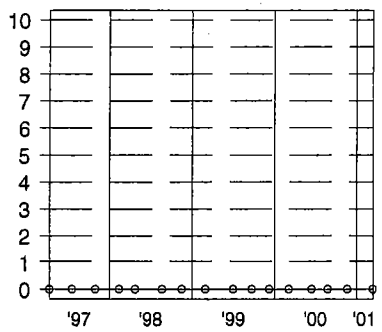
Trichloroethene
(ug/l)



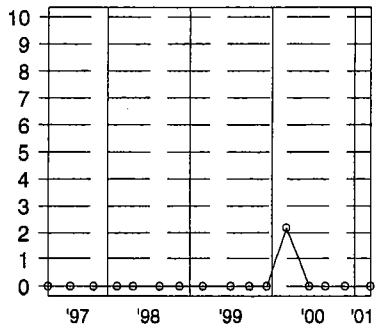
Tetrachloroethene
(ug/l)



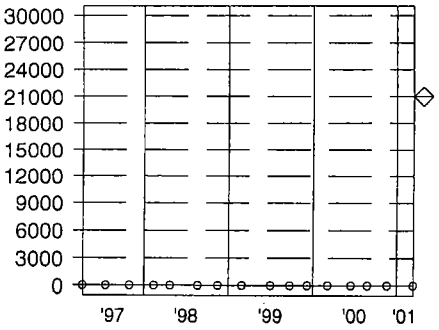
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



: 4

:
04/08/1997 - 03/08/2001

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 2 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	1.96	1.80	ND	2.28	ND	ND	ND
07/17/1997	FMETL	ND	3.66	ND	3.54	ND	ND	ND
10/30/1997	FMETL	ND	1.83	ND	1.70	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	6.34	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND	4.48	ND	ND	ND
08/19/1998	FMETL	ND	2.28	1.27	3.39	ND	ND	ND
11/17/1998	FMETL	ND	1.67	ND	2.17	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND	5.45	ND	ND	ND
06/29/1999	FMETL	ND	2.74	1.74	6.04	ND	ND	ND
09/22/1999	FMETL	ND	1.96	ND	1.82	ND	ND	ND
12/09/1999	FMETL	ND	1.60	ND	3.82	ND	ND	ND
03/01/2000	FMETL	ND	1.27	1.36	6.62	ND	2.34	ND
06/12/2000	FMETL	ND	ND	ND	4.38	ND	ND	ND
08/24/2000	FMETL	ND	1.19	ND	3.44	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	3.58	ND	ND	ND
03/08/2001	FMETL	ND	ND	ND	ND	ND	ND	ND

: 5

:

04/08/1997 - 03/08/2001

:

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.

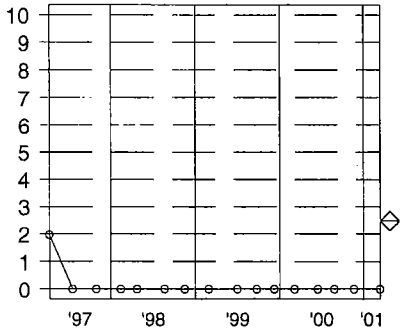
Fort Monmouth

GW Monitoring
Streams

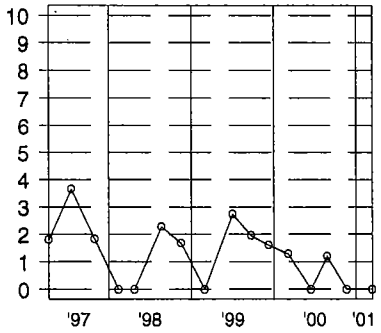
Source 3 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

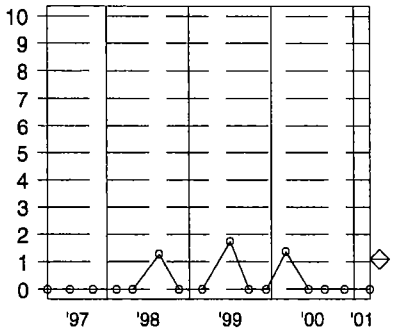
Methylene Chloride
(ug/l)



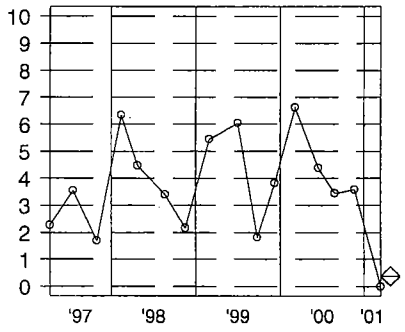
cis-1,2-Dichloroethene
(ug/l)



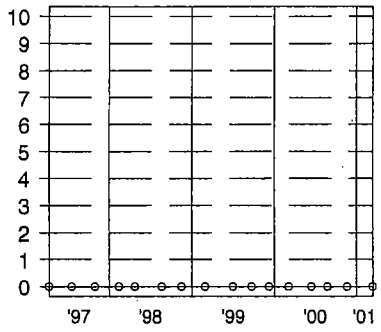
Trichloroethene
(ug/l)



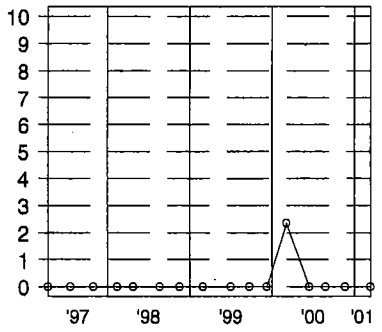
Tetrachloroethene
(ug/l)



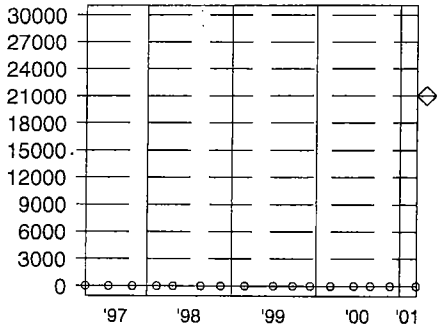
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



: 5

:
04/08/1997 - 03/08/2001

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 3 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
07/17/1997	FMETL	ND	1.14	ND	1.08	ND	ND	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	2.04	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND	2.40	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
11/17/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND	2.85	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	1.42	2.94	2.00	ND
09/22/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
12/09/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
03/01/2000	FMETL	ND	1.19	1.30	6.47	ND	2.14	ND
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	ND	ND	1.77	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	1.94	ND	ND	ND
03/08/2001	FMETL	ND	ND	ND	ND	ND	ND	ND

: 7

:
04/08/1997 - 03/08/2001

:

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.

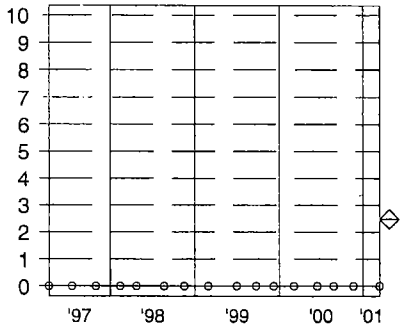
Fort Monmouth

GW Monitoring
Streams

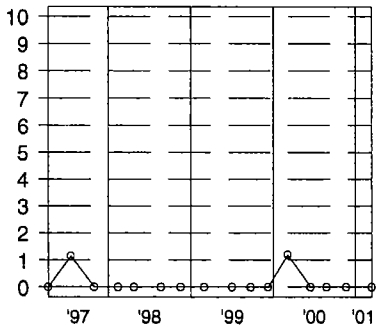
Source 4 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

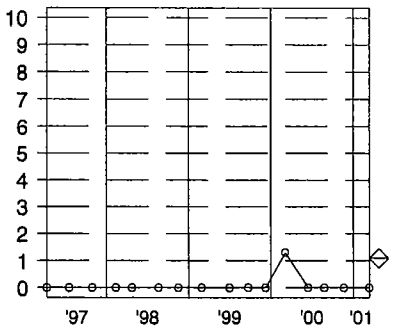
Methylene Chloride
(ug/l)



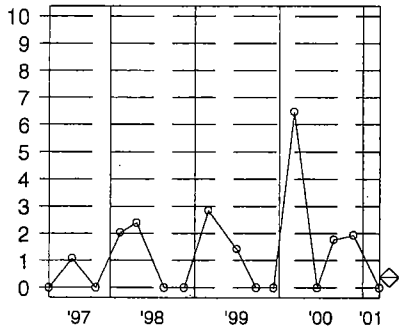
cis-1,2-Dichloroethene
(ug/l)



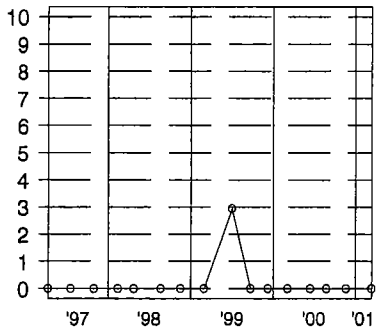
Trichloroethene
(ug/l)



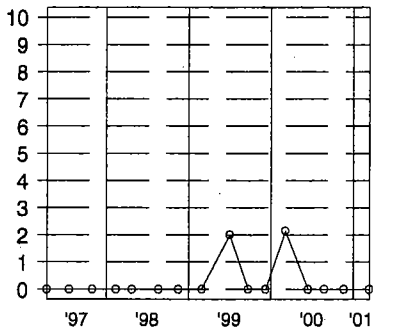
Tetrachloroethene
(ug/l)



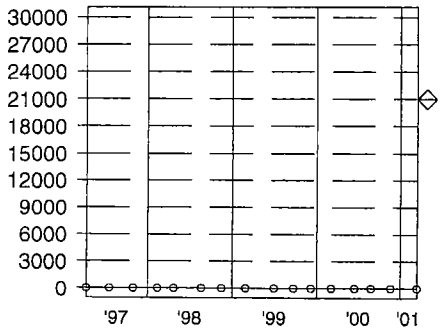
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



: 7

:
04/08/1997 - 03/08/2001

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 4 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	1.82	2.78	ND	ND	ND	ND	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
10/30/1997	FMETL	ND	2.14	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	6.00	ND	ND	ND	ND	ND
04/21/1998	FMETL	ND	4.73	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	1.69	ND	ND	ND	ND	ND
11/17/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	1.78	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	ND	2.50	ND	ND
09/21/1999	FMETL	ND	1.91	ND	ND	ND	ND	ND
12/09/1999	FMETL	ND	ND	ND	ND	25.08	ND	ND
03/01/2000	FMETL	ND	2.17	ND	ND	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	1.11	ND	ND	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
11/20/2000D	FMETL	ND	ND	ND	ND	ND	ND	ND
02/21/2001	FMETL	ND	1.72	ND	ND	ND	ND	ND

: 9

:
04/08/1997 - 02/21/2001

:

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.

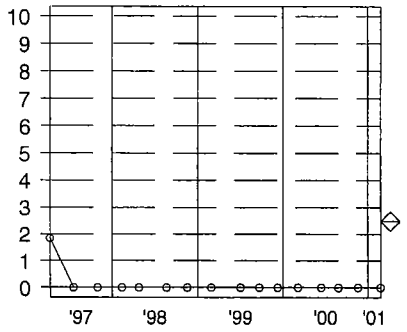
Fort Monmouth

GW Monitoring
Streams

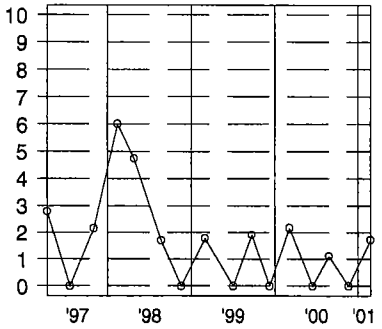
Source 5 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

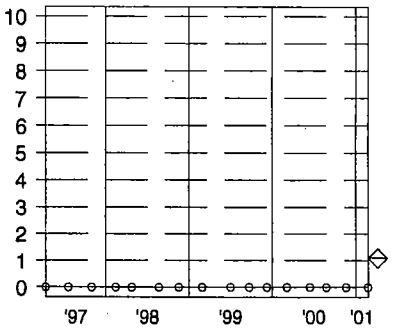
Methylene Chloride
(ug/l)



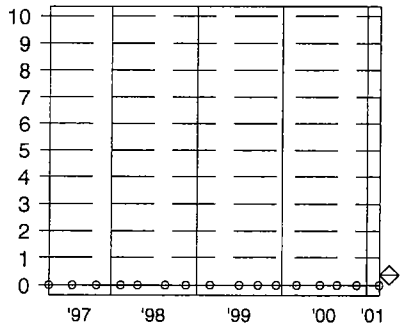
cis-1,2-Dichloroethene
(ug/l)



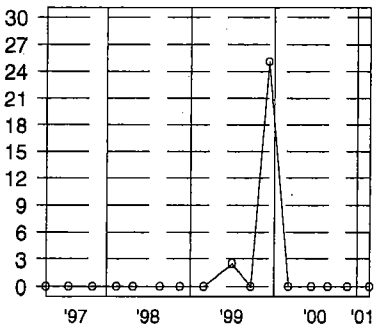
Trichloroethene
(ug/l)



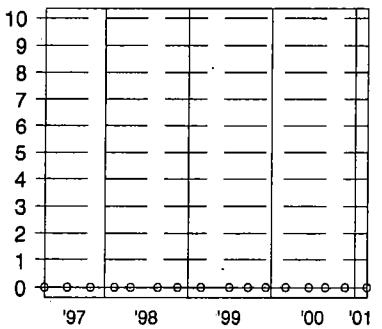
Tetrachloroethene
(ug/l)



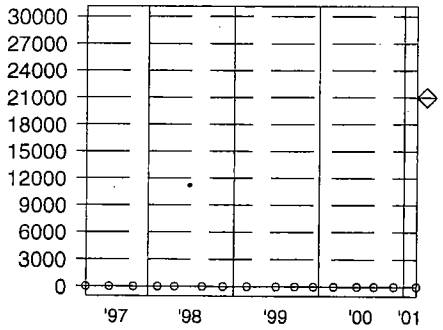
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



: 9

:
04/08/1997 - 02/21/2001

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 5 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

03-20-2001 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	ND	18.72	1.58	ND	ND	ND	ND
07/17/1997	FMETL	ND	14.13	ND	ND	ND	ND	ND
10/30/1997	FMETL	ND	18.23	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	24.71	2.14	ND	ND	ND	ND
04/21/1998	FMETL	ND	21.66	1.82	ND	ND	ND	ND
08/19/1998	FMETL	ND	11.73	ND	ND	ND	ND	ND
11/18/1998	FMETL	ND	8.82	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	9.11	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	5.77	ND	ND	ND	ND	ND
09/21/1999	FMETL	ND	15.62	ND	ND	ND	ND	ND
12/09/1999	FMETL	ND	11.90	ND	ND	ND	ND	ND
03/01/2000	FMETL	ND	11.01	ND	ND	ND	1.64	ND
06/12/2000	FMETL	ND	8.03	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	9.08	ND	ND	ND	ND	ND
08/24/2000D	FMETL	ND	8.70	ND	ND	6.22	ND	ND
11/20/2000	FMETL	ND	5.34	ND	ND	ND	ND	ND
02/21/2001	FMETL	ND	8.26	ND	ND	ND	ND	ND

: 11

:
04/08/1997 - 02/21/2001

:

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.

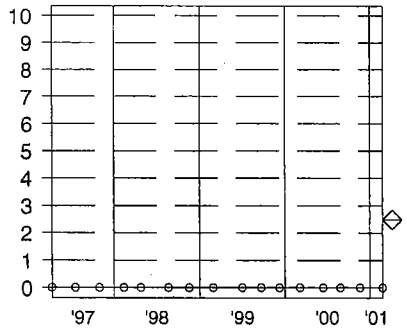
Fort Monmouth

GW Monitoring
Streams

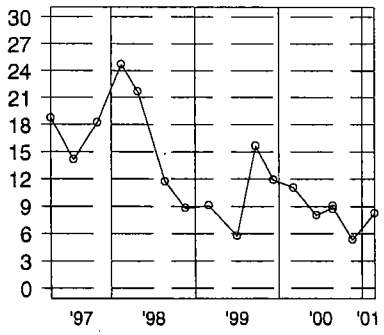
Source 6 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

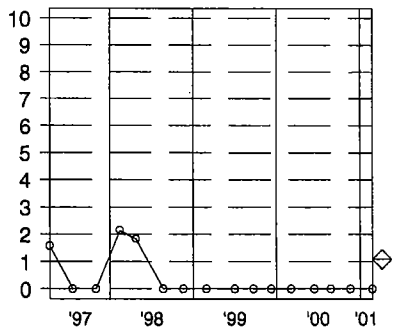
Methylene Chloride
(ug/l)



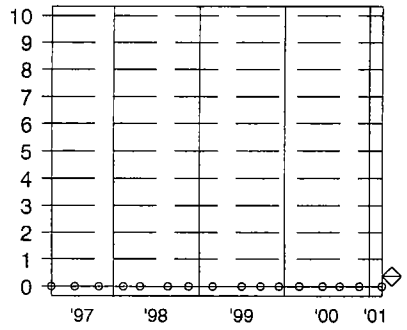
cis-1,2-Dichloroethene
(ug/l)



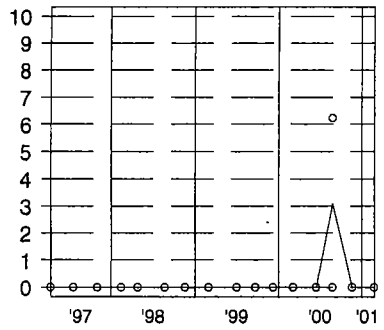
Trichloroethene
(ug/l)



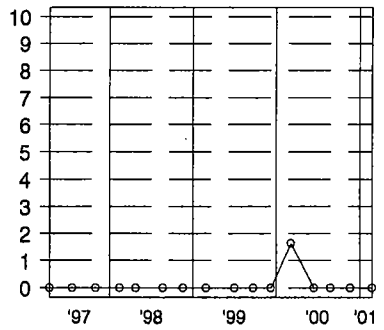
Tetrachloroethene
(ug/l)



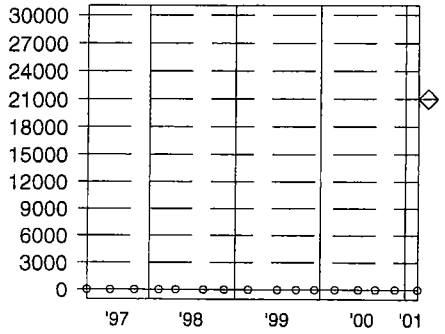
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



: 11

:

04/08/1997 - 02/21/2001

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 6 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	ND	6.63	ND	ND	ND	ND	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
10/30/1997	FMETL	ND	5.67	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	6.54	ND	ND	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	4.58	ND	ND	ND	ND	ND
11/18/1998	FMETL	ND	2.48	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	1.80	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	1.39	ND	ND	ND	ND	ND
09/21/1999	FMETL	ND	3.67	ND	ND	9.54	ND	ND
12/09/1999	FMETL	ND	2.74	ND	ND	ND	ND	ND
03/01/2000	FMETL	ND	3.13	ND	ND	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	2.00	ND	ND	ND	ND	ND
11/20/2000	FMETL	ND	1.87	ND	ND	ND	ND	ND
02/21/2001	FMETL	ND	1.89	ND	ND	ND	ND	ND

: 12

:

04/08/1997 - 02/21/2001

:

Page 1 of 1
Stream 12 is Fresh-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

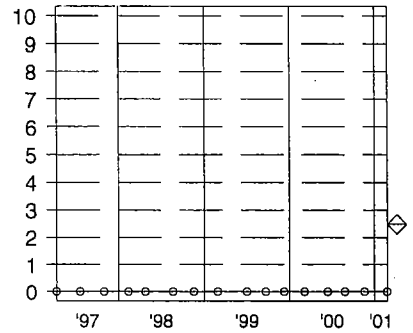
Fort Monmouth

GW Monitoring
Streams

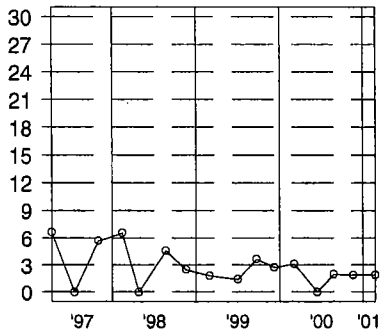
Source 7 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

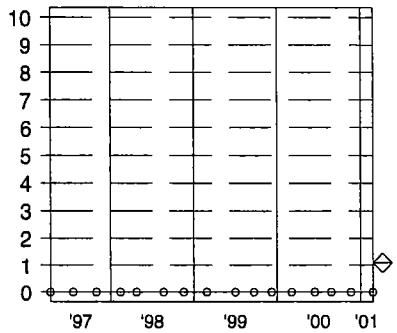
Methylene Chloride
(ug/l)



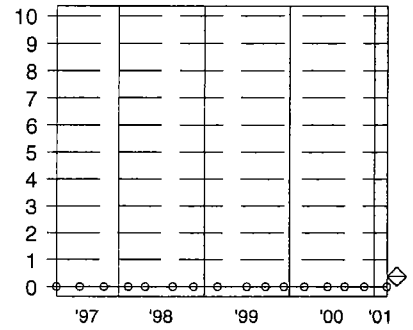
cis-1,2-Dichloroethene
(ug/l)



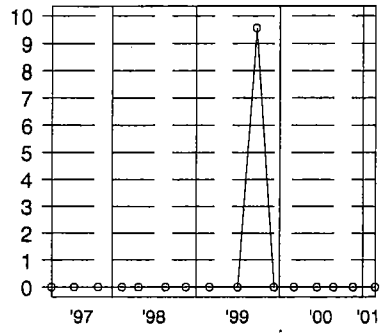
Trichloroethene
(ug/l)



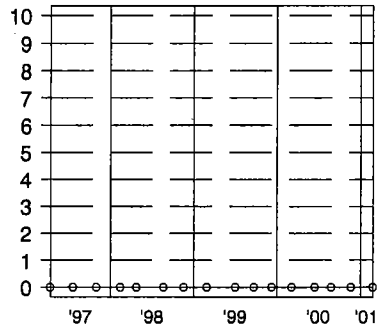
Tetrachloroethene
(ug/l)



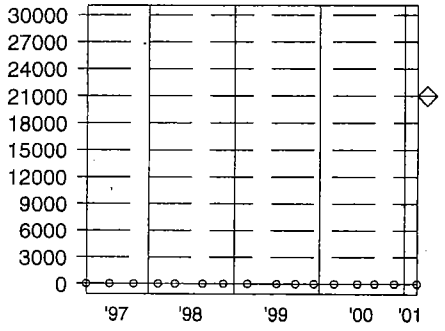
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



: 12

:

04/08/1997 - 02/21/2001

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 7 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl . ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	1.91	ND	ND	ND	2.81	ND	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
11/18/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
09/22/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
12/09/1999	FMETL	ND	ND	ND	3.94	ND	ND	ND
03/01/2000	FMETL	ND	1.35	1.40	6.92	ND	2.40	ND
06/12/2000	FMETL	ND	ND	ND	5.56	ND	ND	ND
08/24/2000	FMETL	ND	2.17	1.78	5.40	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	6.58	ND	ND	ND
02/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND

: 13

:

04/08/1997 - 02/21/2001

:

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.

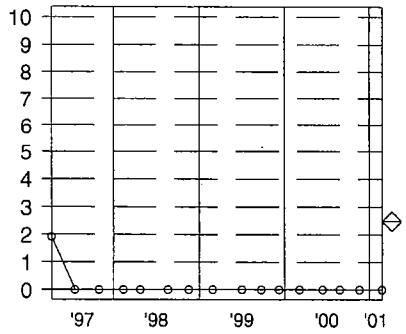
Fort Monmouth

GW Monitoring
Streams

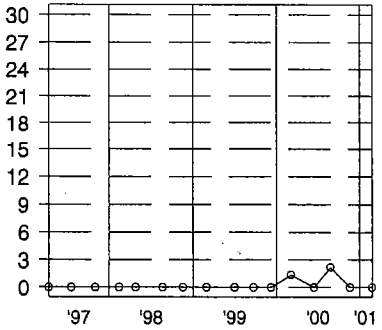
Source 8 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

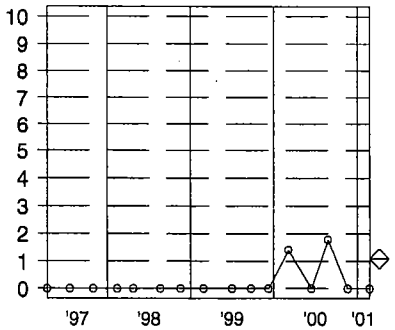
Methylene Chloride
(ug/l)



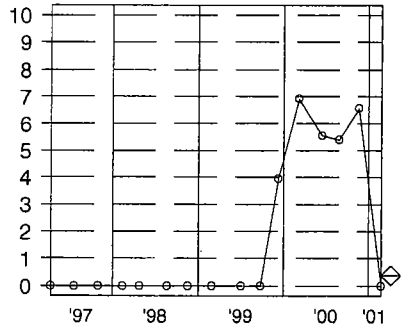
cis-1,2-Dichloroethene
(ug/l)



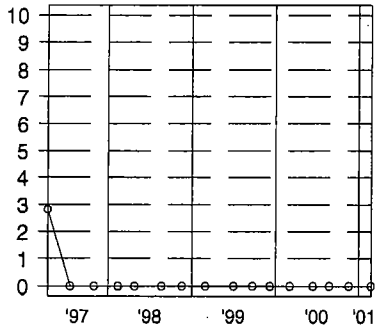
Trichloroethene
(ug/l)



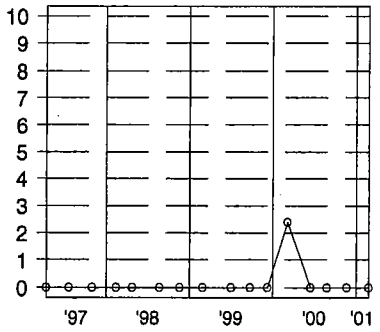
Tetrachloroethene
(ug/l)



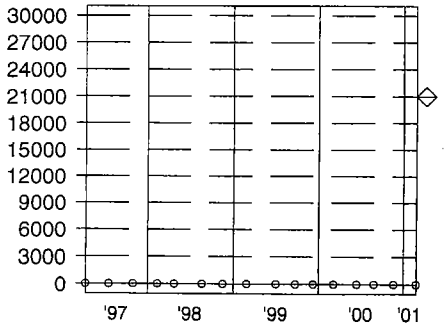
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



: 13

:
04/08/1997 - 02/21/2001

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 8 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	ND	ND	ND	ND	3.94	ND	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
10/30/1997	FMETL	ND	1.59	1.75	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
11/18/1998	FMETL	ND	ND	ND	ND	3.32	ND	ND
02/25/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
09/22/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
12/09/1999	FMETL	ND	11.26	ND	ND	ND	ND	ND
03/01/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
03/08/2001	FMETL	ND	ND	ND	ND	ND	ND	ND
03/08/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND

: 14

:
04/08/1997 - 03/08/2001

:

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.

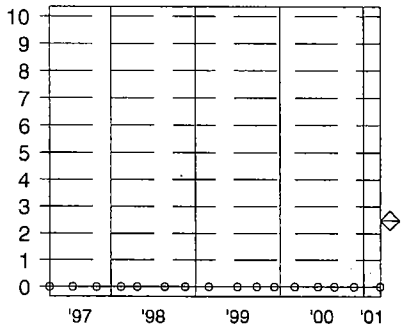
Fort Monmouth

GW Monitoring
Streams

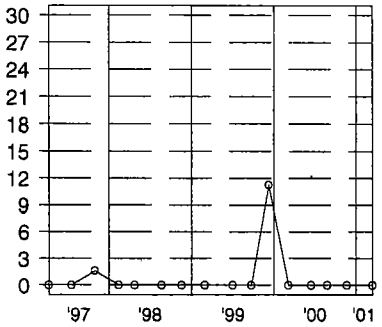
Source 9 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

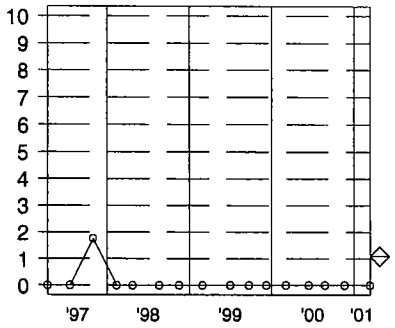
Methylene Chloride
(ug/l)



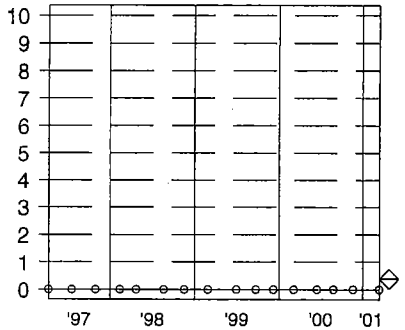
cis-1,2-Dichloroethene
(ug/l)



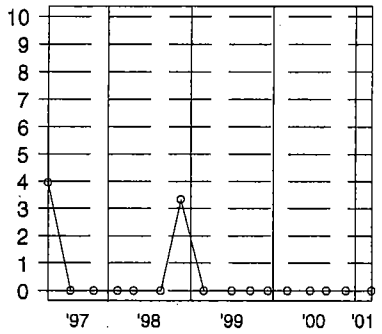
Trichloroethene
(ug/l)



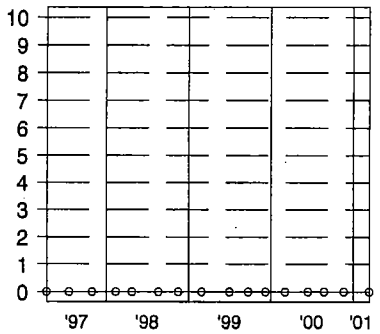
Tetrachloroethene
(ug/l)



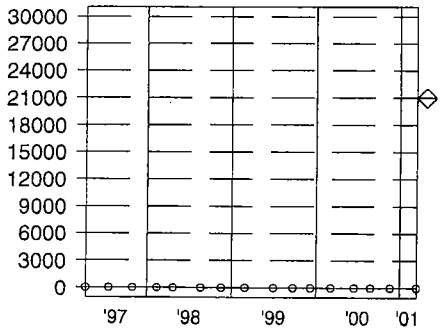
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



: 14

:
04/08/1997 - 03/08/2001

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 9 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	ND	2.69	1.60	6.00	ND	ND	ND
07/17/1997	FMETL	ND	5.53	2.50	7.12	ND	ND	ND
10/30/1997	FMETL	ND	2.57	ND	2.72	ND	ND	ND
02/10/1998	FMETL	ND	ND	1.03	6.90	ND	ND	ND
04/21/1998	FMETL	ND	1.22	1.21	5.72	ND	ND	ND
08/19/1998	FMETL	ND	3.89	2.06	5.39	ND	ND	ND
11/18/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND	7.33	ND	ND	ND
06/29/1999	FMETL	ND	4.17	2.40	7.86	ND	ND	ND
09/21/1999	FMETL	ND	3.59	1.37	2.61	ND	ND	ND
12/09/1999	FMETL	ND	ND	ND	4.08	ND	ND	ND
03/01/2000	FMETL	ND	1.39	1.39	6.95	ND	2.38	ND
06/12/2000	FMETL	ND	ND	ND	5.94	ND	ND	ND
08/24/2000	FMETL	ND	2.02	1.09	5.20	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	6.29	ND	ND	ND
02/21/2001	FMETL	ND	ND	ND	7.19	ND	ND	ND

: 15

:
04/08/1997 - 02/21/2001

:

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.

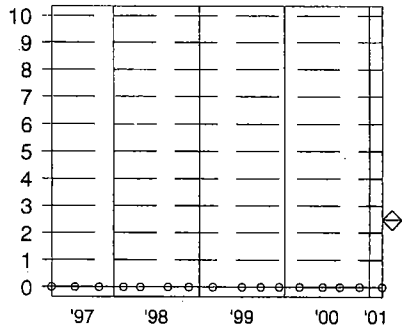
Fort Monmouth

GW Monitoring
Streams

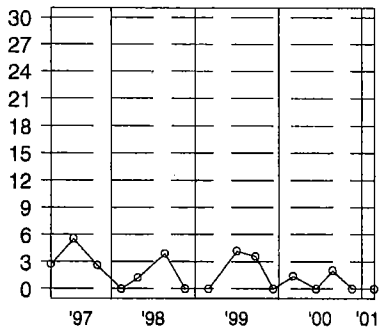
Source 10 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

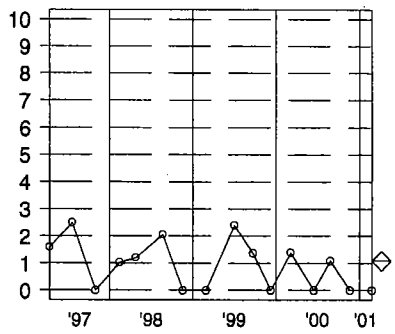
Methylene Chloride
(ug/l)



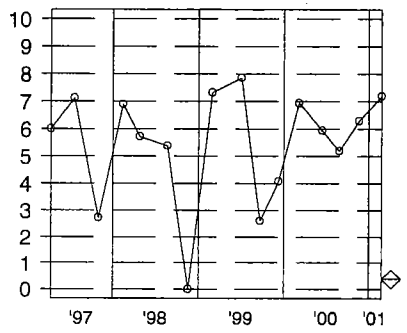
cis-1,2-Dichloroethene
(ug/l)



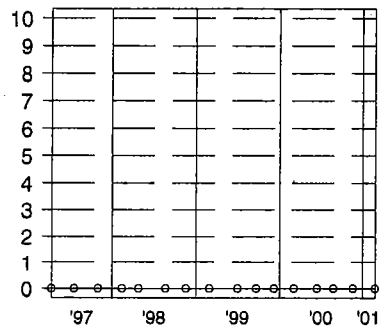
Trichloroethene
(ug/l)



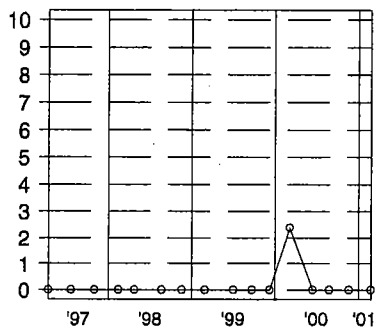
Tetrachloroethene
(ug/l)



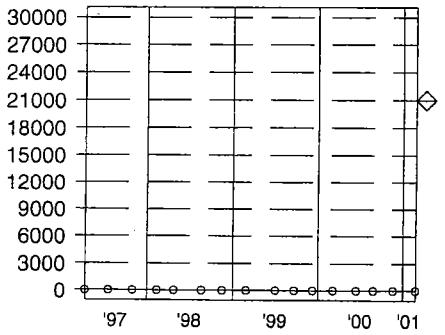
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



: 15

:
04/08/1997 - 02/21/2001

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 10 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	ND	2.05	1.26	4.47	ND	ND	ND
07/17/1997	FMETL	ND	2.55	ND	4.72	ND	ND	ND
10/30/1997	FMETL	ND	1.76	ND	1.86	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	6.23	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND	4.58	ND	ND	ND
08/19/1998	FMETL	ND	2.94	1.63	4.33	ND	ND	ND
11/18/1998	FMETL	ND	ND	ND	1.48	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND	6.06	ND	ND	ND
06/29/1999	FMETL	ND	3.56	2.25	7.70	ND	ND	ND
09/22/1999	FMETL	ND	2.74	ND	2.63	ND	ND	ND
12/09/1999	FMETL	ND	1.79	ND	4.13	ND	ND	ND
03/01/2000	FMETL	ND	1.28	1.27	6.47	ND	2.33	ND
06/12/2000	FMETL	ND	ND	ND	3.74	ND	ND	ND
08/24/2000	FMETL	ND	1.68	1.28	4.47	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	4.49	ND	ND	ND
02/21/2001	FMETL	ND	ND	ND	6.25	ND	ND	ND

: 16

:
04/08/1997 - 02/21/2001

:

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.

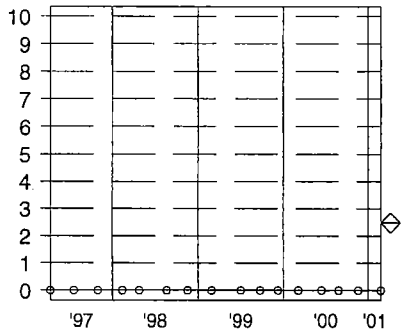
Fort Monmouth

GW Monitoring
Streams

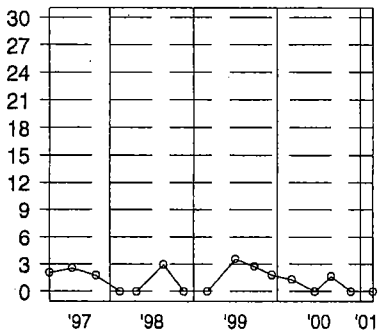
Source 11 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

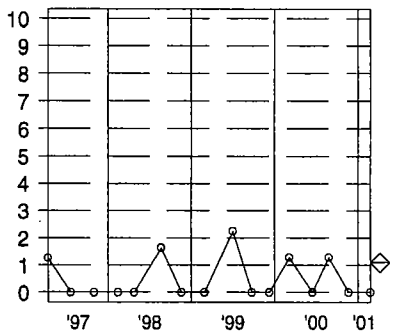
Methylene Chloride
(ug/l)



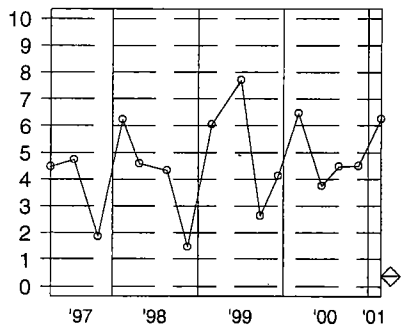
cis-1,2-Dichloroethene
(ug/l)



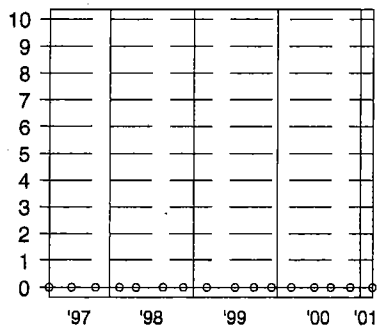
Trichloroethene
(ug/l)



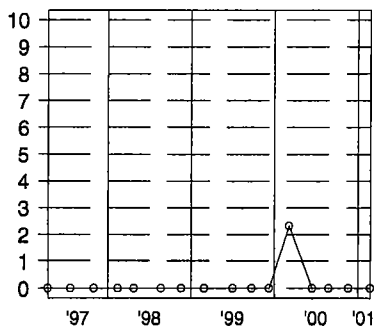
Tetrachloroethene
(ug/l)



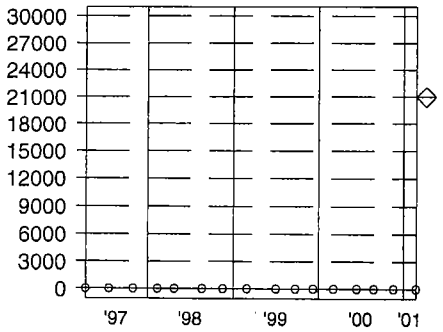
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



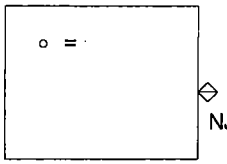
Chlorobenzene
(ug/l)



: 16

:
04/08/1997 - 02/21/2001

:



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 11 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	ND	ND	ND	ND	1.97	ND	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	ND	ND	ND	1.59
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
11/18/1998	FMETL	ND	4.43	2.12	5.09	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
09/22/1999	FMETL	ND	1.09	ND	ND	ND	ND	ND
12/09/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
03/01/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
03/08/2001	FMETL	ND	ND	ND	ND	ND	ND	ND

: 17

:
04/08/1997 - 03/08/2001

:

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.

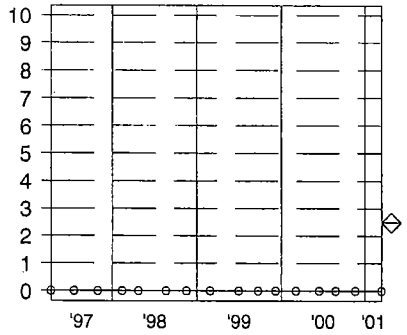
Fort Monmouth

GW Monitoring
Streams

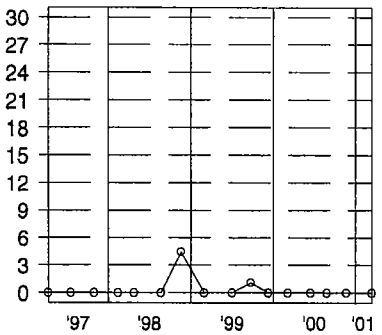
Source 12 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

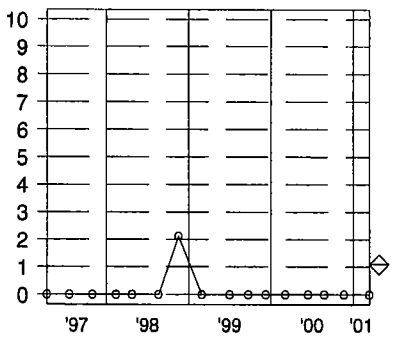
Methylene Chloride
(ug/l)



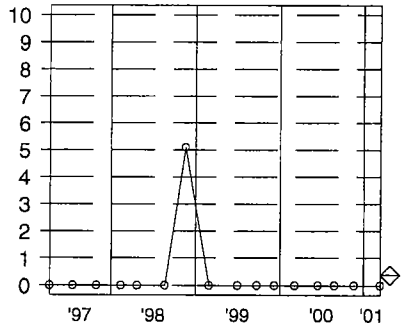
cis-1,2-Dichloroethene
(ug/l)



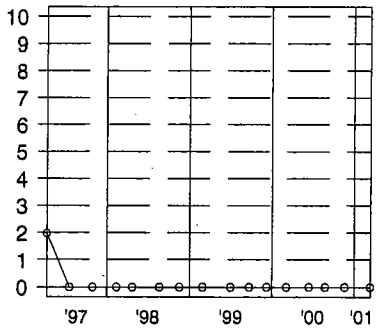
Trichloroethene
(ug/l)



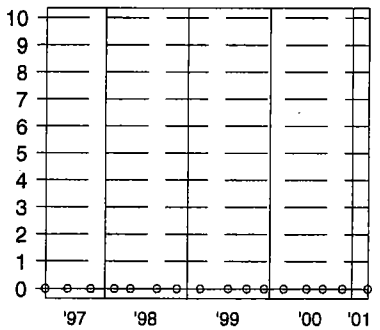
Tetrachloroethene
(ug/l)



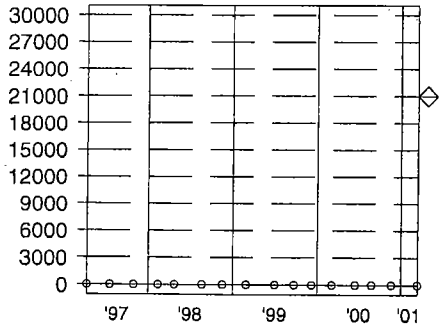
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



: 17

:
04/08/1997 - 03/08/2001

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 12 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

03-20-2001 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
07/17/1997	FMETL	ND	1.06	ND	ND	ND	ND	ND
10/30/1997	FMETL	ND	5.87	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	14.36	ND	ND	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	4.65	ND	ND	ND	ND	ND
11/18/1998	FMETL	ND	3.18	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	3.95	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	1.47	ND	ND	ND	ND	ND
09/21/1999	FMETL	ND	4.67	ND	ND	ND	ND	ND
12/09/1999	FMETL	ND	4.90	ND	ND	ND	ND	ND
03/01/2000	FMETL	ND	5.57	ND	ND	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	2.46	ND	ND	15.24	ND	ND
11/20/2000	FMETL	ND	1.80	ND	ND	ND	ND	ND
02/21/2001	FMETL	ND	4.10	ND	ND	ND	ND	ND

: 18

:
04/08/1997 - 02/21/2001

:

Page 1 of 1
Stream 18 is Fresh-Water.
cis-1,2-Di limit is NLE.

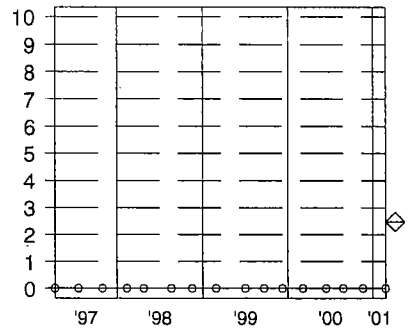
Fort Monmouth

GW Monitoring
Streams

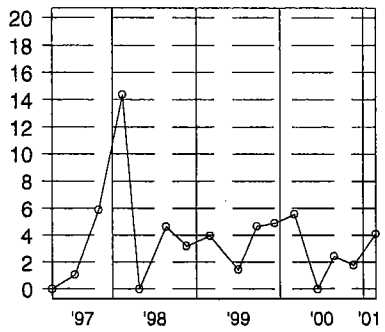
Source 13 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

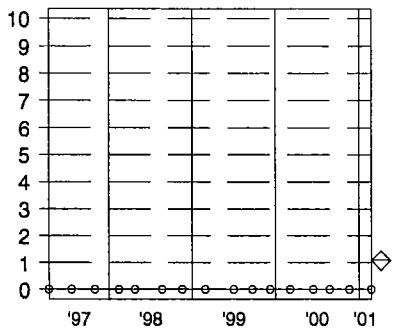
Methylene Chloride
(ug/l)



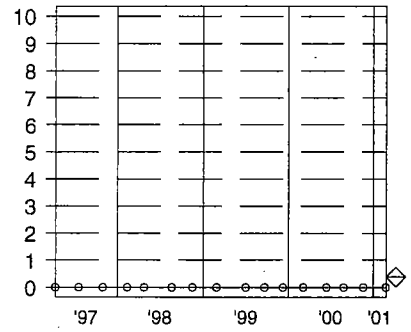
cis-1,2-Dichloroethene
(ug/l)



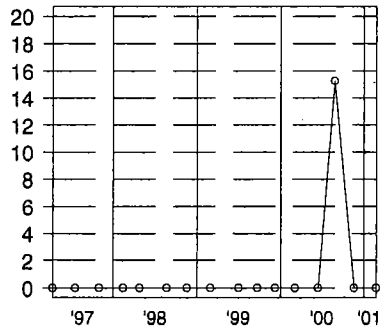
Trichloroethene
(ug/l)



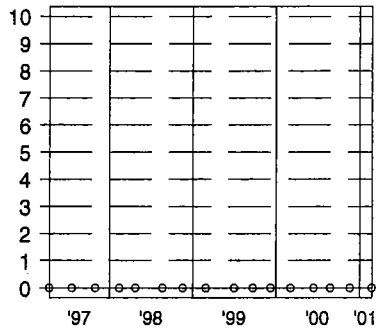
Tetrachloroethene
(ug/l)



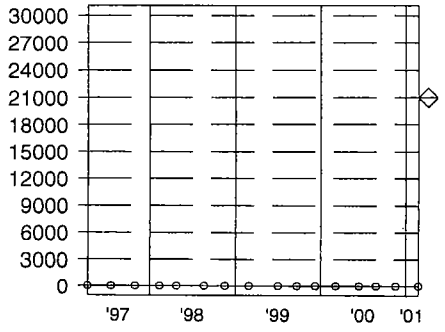
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



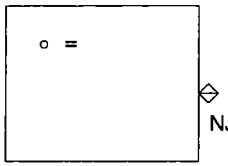
Chlorobenzene
(ug/l)



: 18

:
04/08/1997 - 02/21/2001

:



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 13 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	ND	6.44	ND	ND	ND	ND	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
10/30/1997	FMETL	ND	4.69	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	8.22	ND	ND	ND	ND	ND
04/21/1998	FMETL	ND	6.86	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	2.95	ND	ND	ND	ND	ND
11/17/1998	FMETL	ND	2.3	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	2.30	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
09/21/1999	FMETL	ND	3.53	ND	ND	ND	ND	ND
12/09/1999	FMETL	ND	2.60	ND	ND	ND	ND	ND
03/01/2000	FMETL	ND	2.92	ND	ND	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	2.07	ND	ND	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
02/21/2001	FMETL	ND	2.99	ND	ND	ND	ND	ND
02/21/2001D	FMETL	ND	3.87	ND	ND	ND	ND	ND

: 19

:
04/08/1997 - 02/21/2001

:

Page 1 of 1
Stream 19 is Salt-Water.
cis-1,2-Di limit is NLE.

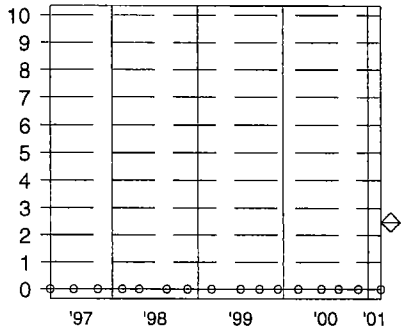
Fort Monmouth

GW Monitoring
Streams

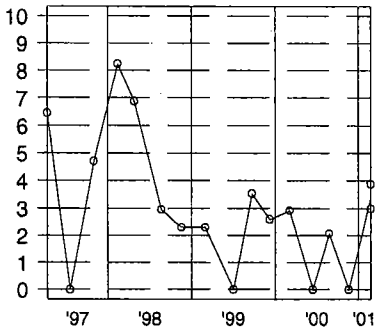
Source 14 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

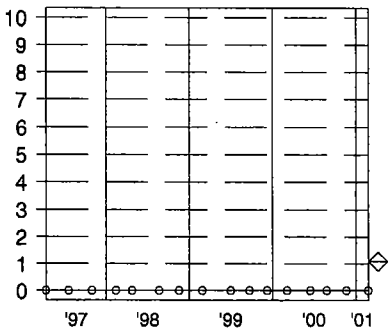
Methylene Chloride
(ug/l)



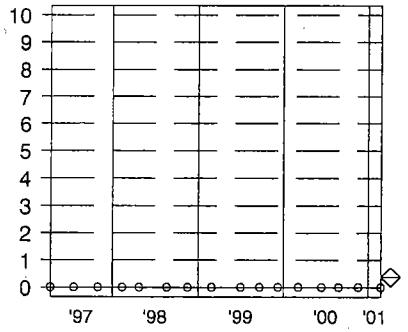
cis-1,2-Dichloroethene
(ug/l)



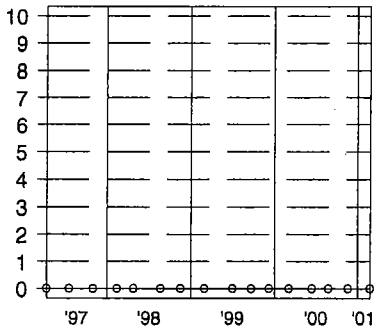
Trichloroethene
(ug/l)



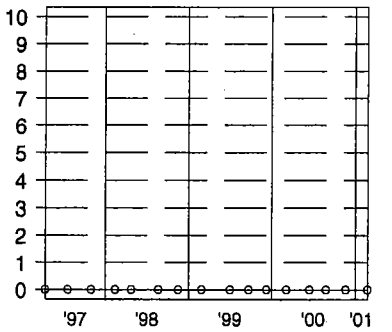
Tetrachloroethene
(ug/l)



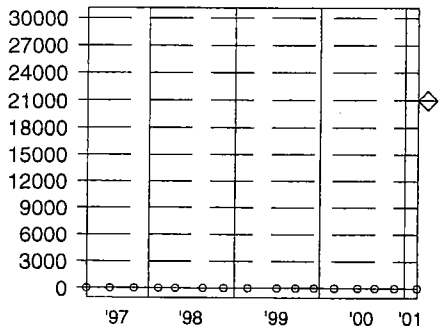
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



: 19

:
04/08/1997 - 02/21/2001

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 14 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

03-20-2001 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND	2.63	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND	4.85	ND
11/17/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	ND	ND	5.70	ND
09/21/1999	FMETL	ND	ND	ND	ND	ND	2.10	ND
12/09/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
03/01/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND	ND	ND	6.38	ND
08/24/2000	FMETL	ND	ND	ND	ND	ND	2.58	ND
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
02/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND

: 20

:
04/08/1997 - 02/21/2001

:

Page 1 of 1
Stream20 is Salt-Water.
Ethylben limit is 27900 ug/L.
MTBE limit is NLE.

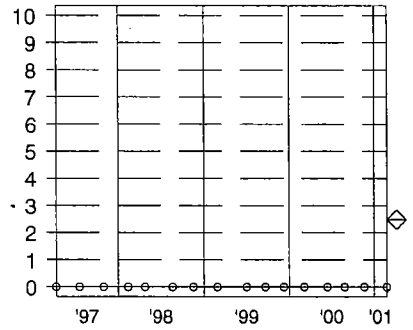
Fort Monmouth

GW Monitoring
Streams

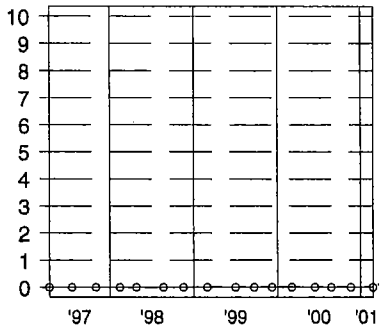
Source 15 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

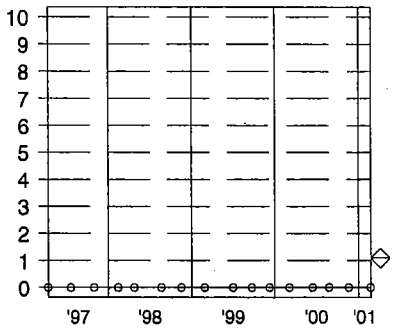
Methylene Chloride
(ug/l)



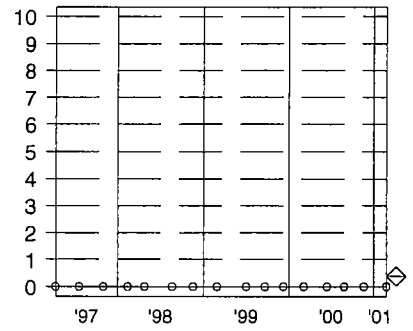
cis-1,2-Dichloroethene
(ug/l)



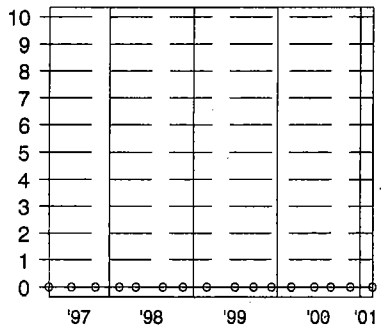
Trichloroethene
(ug/l)



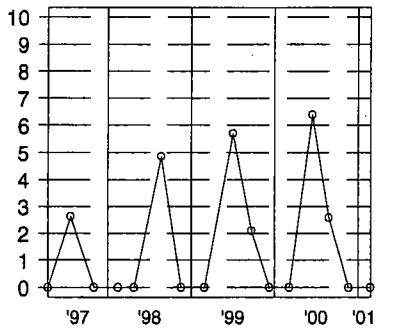
Tetrachloroethene
(ug/l)



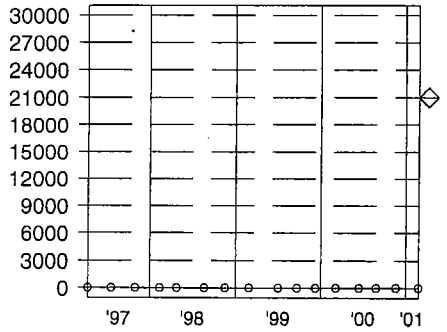
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



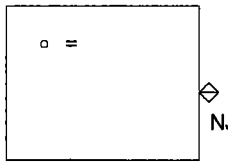
Chlorobenzene
(ug/l)



: 20

:
04/08/1997 - 02/21/2001

:



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 15 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND	2.90	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND	4.71	ND
11/17/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	ND	ND	7.40	ND
09/21/1999	FMETL	ND	1.17	ND	ND	ND	2.24	ND
12/09/1999	FMETL	ND	ND	ND	ND	27.52	ND	ND
03/01/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	ND	ND	ND	4.56	2.67	ND
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
02/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND

: 21

:
04/08/1997 - 02/21/2001

:

Page 1 of 1
Sream 21 is Salt-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.
MTBE limit is NLE.

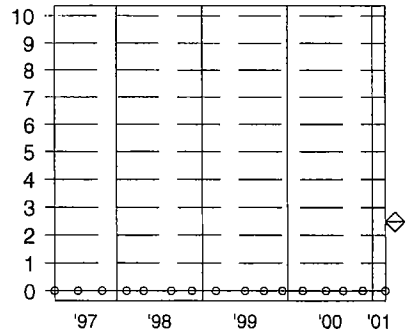
Fort Monmouth

GW Monitoring
Streams

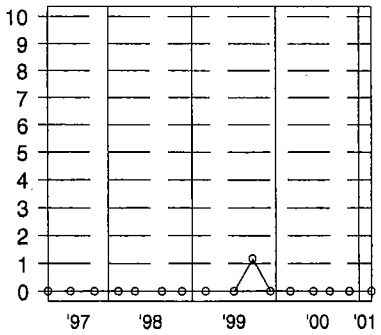
Source 16 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

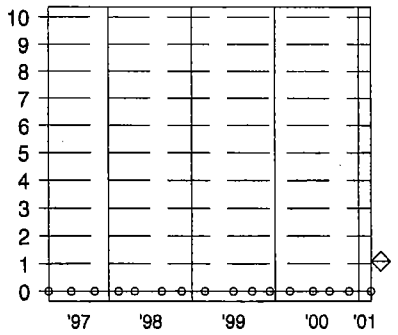
Methylene Chloride
(ug/l)



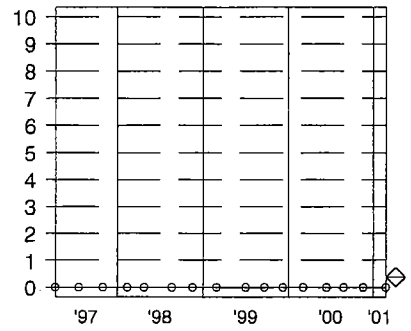
cis-1,2-Dichloroethene
(ug/l)



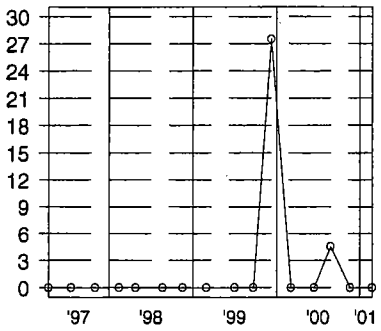
Trichloroethene
(ug/l)



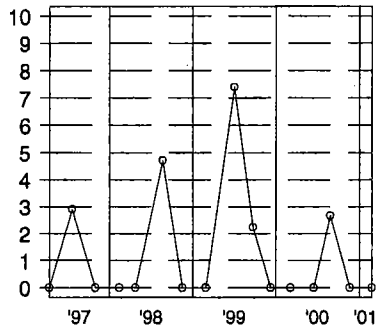
Tetrachloroethene
(ug/l)



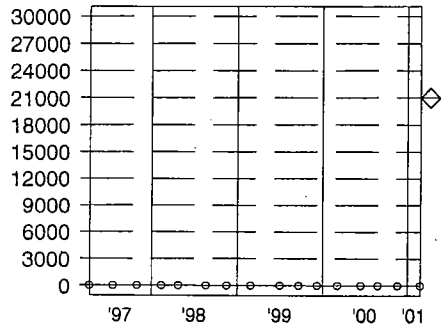
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



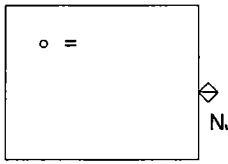
Chlorobenzene
(ug/l)



: 21

:
04/08/1997 - 02/21/2001

:



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 16 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
04/08/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
07/17/1997	FMETL	ND	ND	ND	ND	ND	4.26	ND
10/30/1997	FMETL	ND	ND	ND	ND	ND	ND	ND
02/10/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
04/21/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
08/19/1998	FMETL	ND	ND	ND	ND	ND	4.50	ND
11/17/1998	FMETL	ND	ND	ND	ND	ND	ND	ND
02/25/1999	FMETL	ND	ND	ND	ND	ND	ND	ND
06/29/1999	FMETL	ND	ND	ND	ND	ND	8.30	ND
09/21/1999	FMETL	ND	ND	ND	ND	ND	0.82	ND
12/09/1999	FMETL	ND	ND	ND	ND	32.77	ND	ND
03/01/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
06/12/2000	FMETL	ND	ND	ND	ND	ND	10.26	ND
06/12/2000D	FMETL	ND	ND	ND	ND	ND	10.66	ND
08/24/2000	FMETL	ND	ND	ND	ND	5.53	ND	ND
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
02/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND

: 22

:
04/08/1997 - 02/21/2001

:

Page 1 of 1
Stream 22 is Salt-Water.
Acetone limit is NLE.
MTBE limit is NLE.

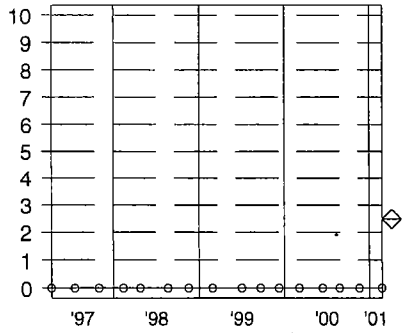
Fort Monmouth

GW Monitoring
Streams

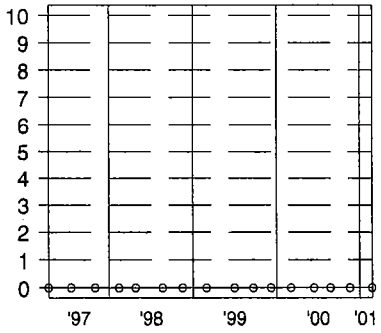
Source 17 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

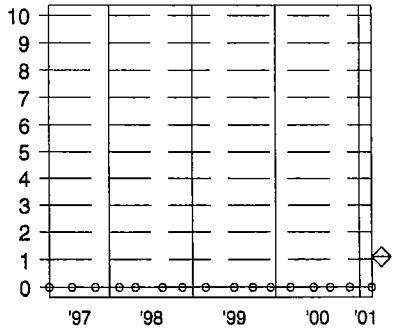
Methylene Chloride
(ug/l)



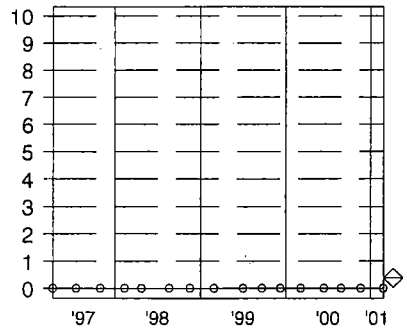
cis-1,2-Dichloroethene
(ug/l)



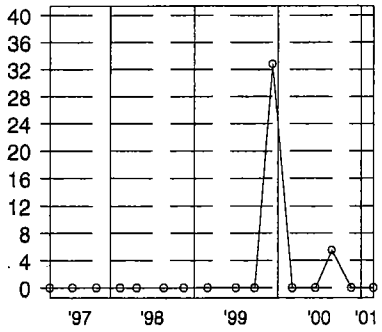
Trichloroethene
(ug/l)



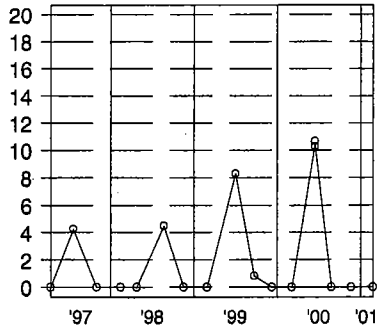
Tetrachloroethene
(ug/l)



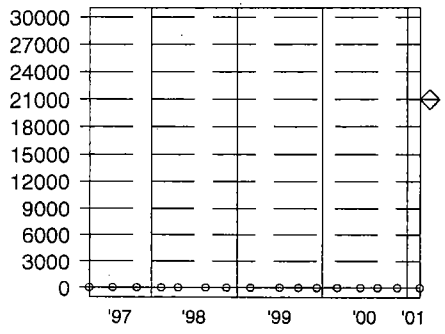
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



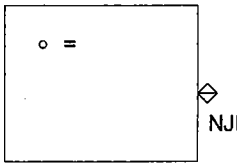
Chlorobenzene
(ug/l)



: 22

:
04/08/1997 - 02/21/2001

:



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 17 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
06/12/2000	FMETL	ND	ND	ND	5.60	ND	ND	ND
08/24/2000	FMETL	ND	2.24	1.82	5.18	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	6.29	ND	ND	ND
03/08/2001	FMETL	ND	ND	ND	4.78	ND	ND	ND

: 23

:
06/12/2000 - 03/08/2001

:

Page 1 of 1
Stream 23 is Fresh-Water

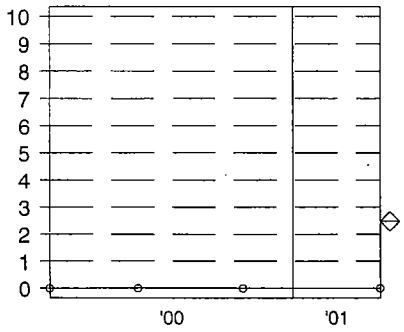
Fort Monmouth

GW Monitoring
Streams

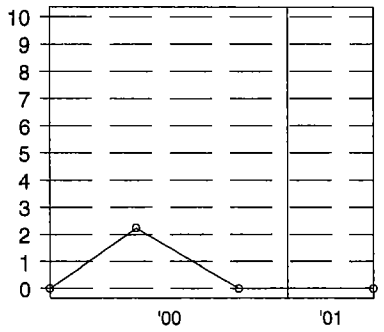
Source 18 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

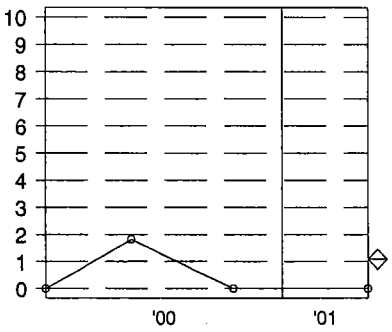
Methylene Chloride
(ug/l)



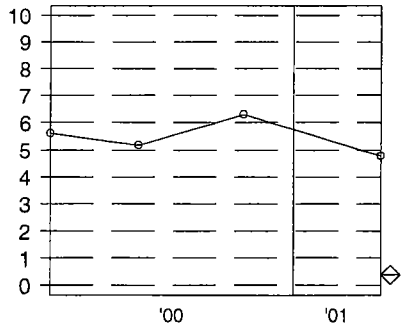
cis-1,2-Dichloroethene
(ug/l)



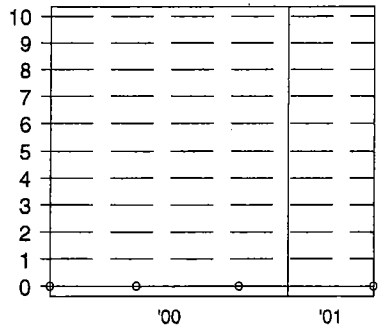
Trichloroethene
(ug/l)



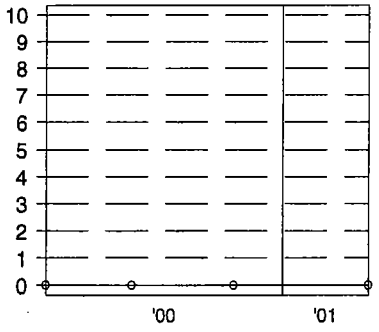
Tetrachloroethene
(ug/l)



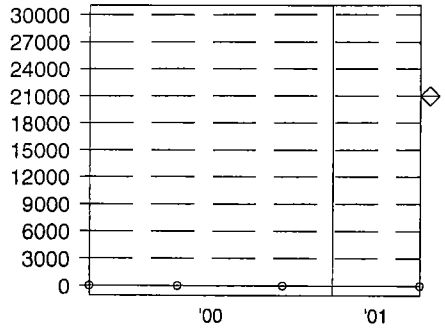
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



: 23

:
06/12/2000 - 03/08/2001

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 18 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

03-20-2001 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
06/12/2000	FMETL	ND	ND	ND	4.72	ND	ND	ND
08/24/2000	FMETL	ND	1.54	1.41	4.33	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	4.41	ND	ND	ND
03/08/2001	FMETL	ND	ND	ND	4.76	ND	ND	ND

: 24

:
06/12/2000 - 03/08/2001

:

Stream 24 is Fresh-Water

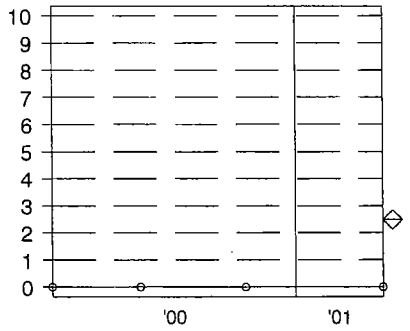
Fort Monmouth

GW Monitoring
Streams

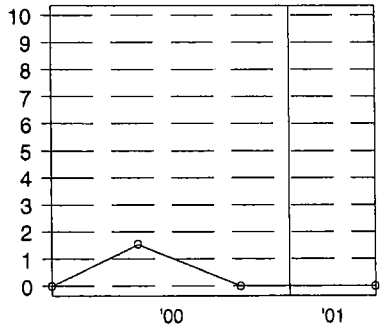
Source 19 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

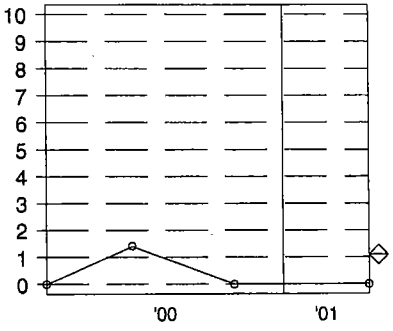
Methylene Chloride
(ug/l)



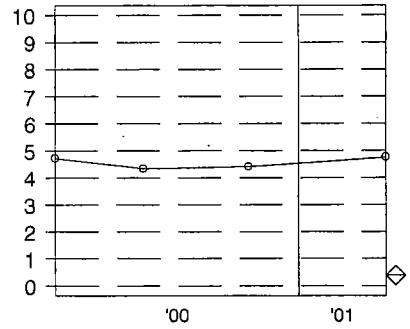
cis-1,2-Dichloroethene
(ug/l)



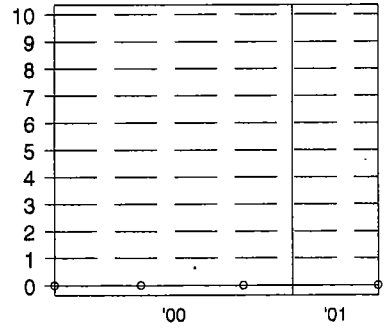
Trichloroethene
(ug/l)



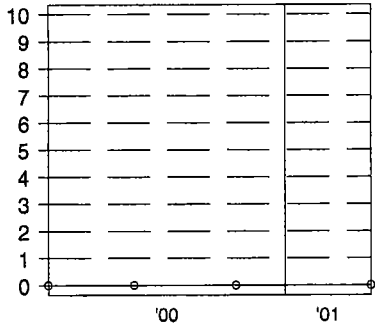
Tetrachloroethene
(ug/l)



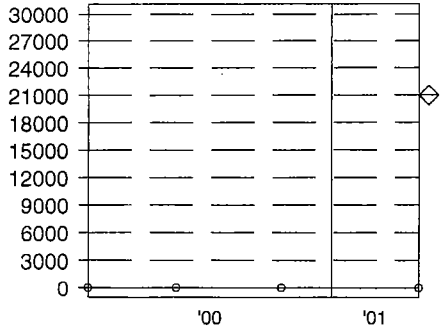
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



: 24

:
06/12/2000 - 03/08/2001

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 19 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

03-20-2001 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
03/08/2001	FMETL	ND	ND	ND	ND	ND	ND	ND

: 25

:
06/12/2000 - 03/08/2001

:

Page 1 of 1
Stream 25 is Salt-Water.

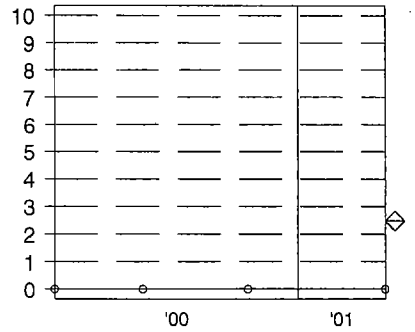
Fort Monmouth

GW Monitoring
Streams

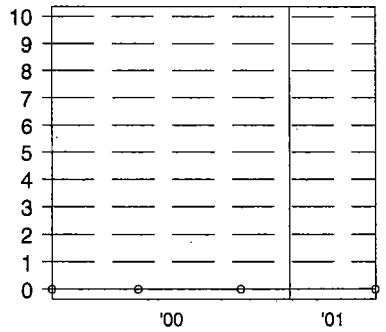
Source 20 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

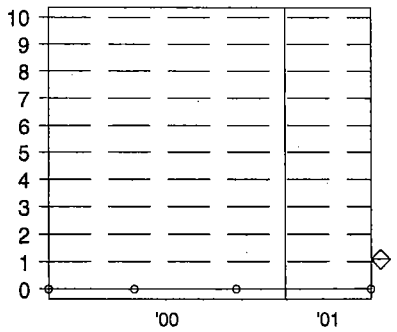
Methylene Chloride
(ug/l)



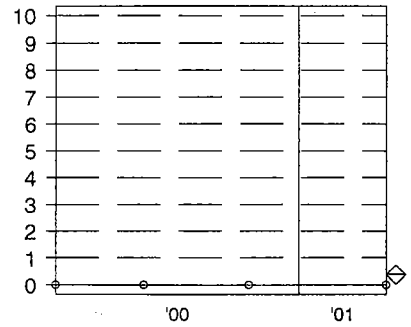
cis-1,2-Dichloroethene
(ug/l)



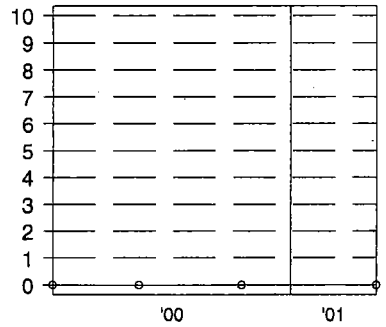
Trichloroethene
(ug/l)



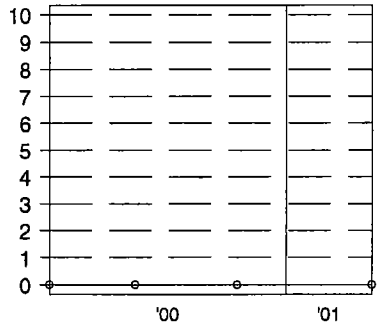
Tetrachloroethene
(ug/l)



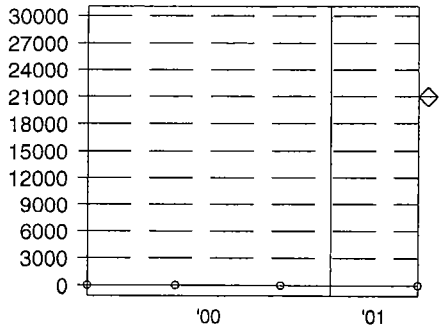
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



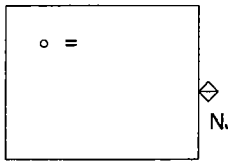
Chlorobenzene
(ug/l)



: 25

:
06/12/2000 - 03/08/2001

:



Fort Monmouth

GW Monitoring
Streams

Source 20 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

03-20-2001 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
03/08/2001	FMETL	ND	ND	ND	ND	ND	ND	ND

: 26

:
06/12/2000 - 03/08/2001

:

Page 1 of 1
Stream 26 is Fresh-Water

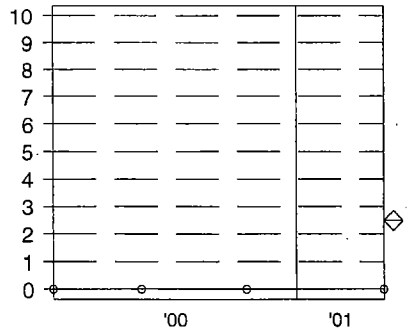
Fort Monmouth

GW Monitoring
Streams

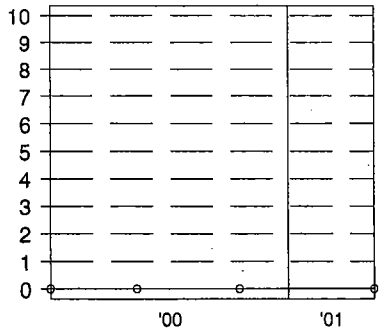
Source 21 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

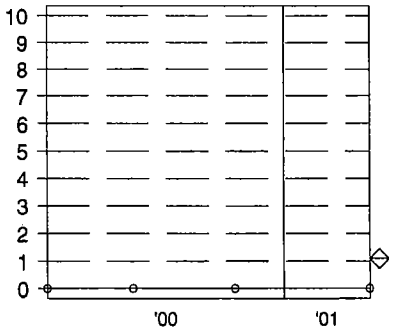
Methylene Chloride
(ug/l)



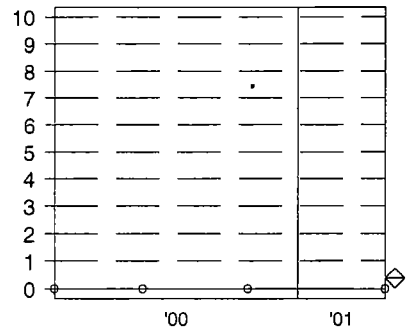
cis-1,2-Dichloroethene
(ug/l)



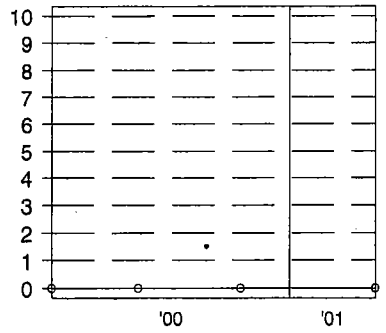
Trichloroethene
(ug/l)



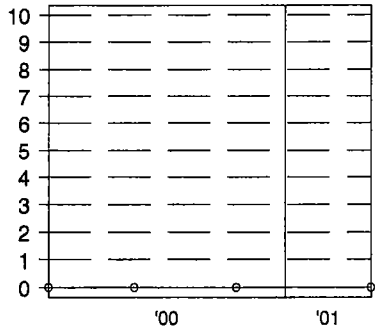
Tetrachloroethene
(ug/l)



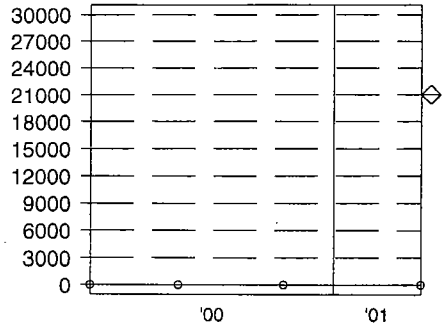
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)

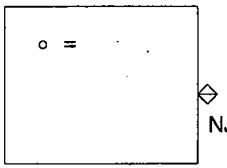


: 26

:

06/12/2000 - 03/08/2001

:



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 21 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

03-20-2001 x:\mtech46\fm\streams\gw\streams.wsf

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	ND	ND	1.72	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	1.87	ND	ND	ND
03/08/2001	FMETL	ND	ND	ND	ND	ND	ND	ND

: 27

:
06/12/2000 - 03/08/2001

:

Stream 27 is Salt Water.

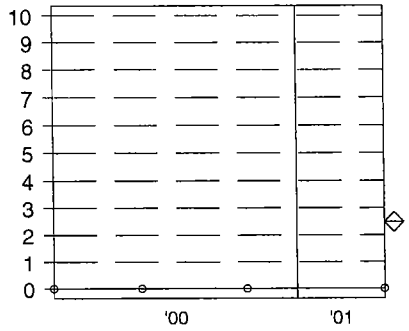
Fort Monmouth

GW Monitoring
Streams

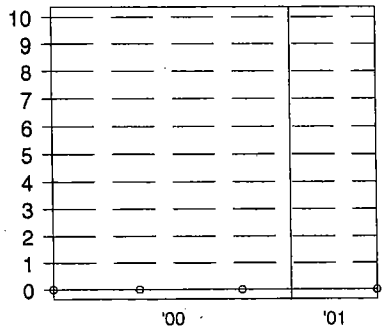
Source 22 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

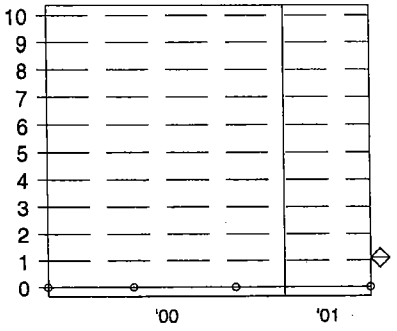
Methylene Chloride
(ug/l)



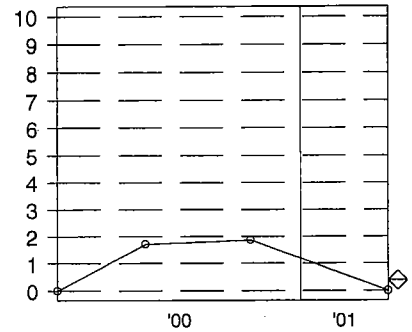
cis-1,2-Dichloroethene
(ug/l)



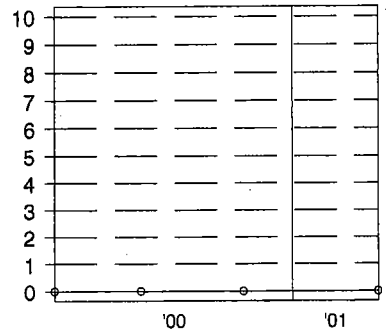
Trichloroethene
(ug/l)



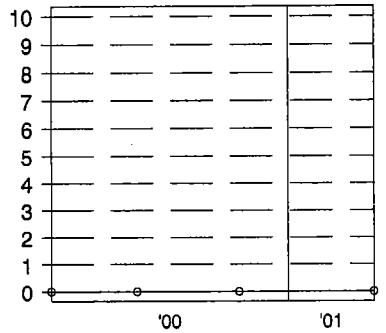
Tetrachloroethene
(ug/l)



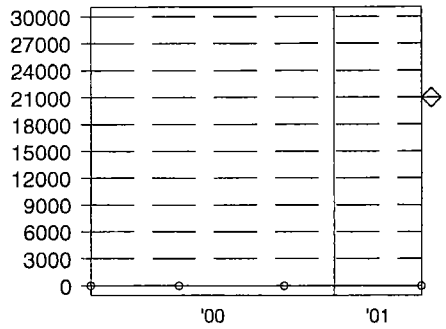
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



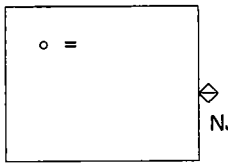
Chlorobenzene
(ug/l)



: 27

:
06/12/2000 - 03/08/2001

:



NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Methylene Chloride	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Acetone	Methyl-tert Butyl ether	Chloro benzene
:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
NJDEP Criteria:	-	2.49	-	1.09	0.388	-	-	21000
06/12/2000	FMETL	ND	ND	ND	ND	ND	ND	ND
08/24/2000	FMETL	ND	1.28	1.07	3.67	ND	ND	ND
11/20/2000	FMETL	ND	ND	ND	3.60	ND	ND	ND
03/08/2001	FMETL	ND	ND	ND	2.56	ND	ND	ND

: 28

:
06/12/2000 - 03/08/2001

:

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

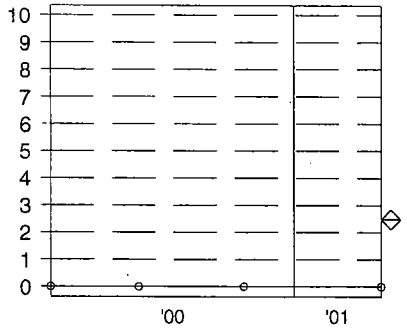
Fort Monmouth

GW Monitoring
Streams

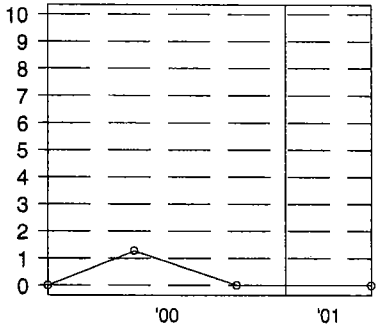
Source 23 of 23

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

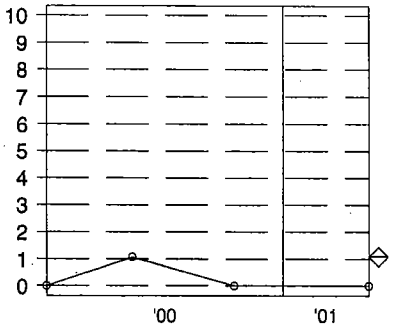
Methylene Chloride
(ug/l)



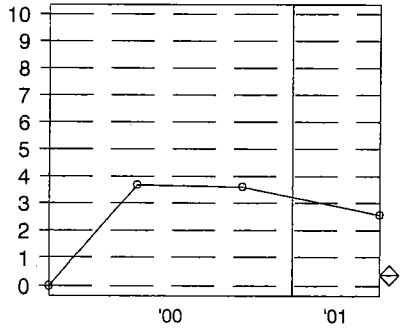
cis-1,2-Dichloroethene
(ug/l)



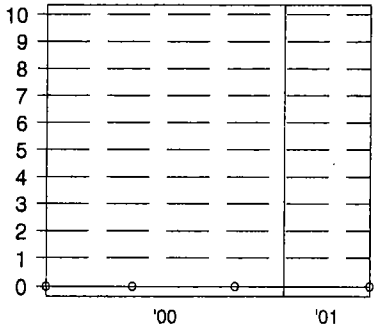
Trichloroethene
(ug/l)



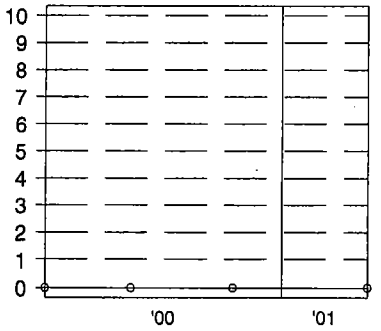
Tetrachloroethene
(ug/l)



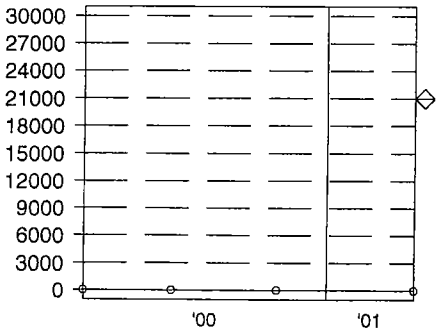
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



: 28

:
06/12/2000 - 03/08/2001

:

o =

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 23 of 23, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

03-20-2001 x:\mtech46\fm\streams\gw\streams.wsf