FINAL

Remedial Investigation Report

M-4 Landfill Site

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

Directorate of Public Works

January 6, 2005

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Fort Monmouth, New Jersey

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REMEDIAL INVESTIGATION REPORT FOR THE M-4 LANDFILL SITE FORT MONMOUTH, NEW JERSEY

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VERSAR PROJECT NO. 4936.116

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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-4 Landfill site located in the Fort Monmouth Main Post Area. This report addresses the remedial investigation activities conducted at the M-4 Landfill site between October 1996 and February 2001.

The M-4 Landfill site is bounded by the Avenue of Memories to the south, North Drive to the north, Mill Creek to the west and Wilson Avenue to the east in the Main Post Area. The approximate area of the M-4 Landfill Site is 61,800 ft^2 (1.4 acres). Aerial photographs dated 1940 shows the M-4 Landfill site as a swamp. The M-4 Landfill site was historically used as a landfill in 1955 and 1956 for the disposal of demolition debris. The 360-foot portion of Mill Creek that flows along the western perimeter of the M-4 Landfill site has been reinforced with concrete plates and covered with grass and shrubs.

A background investigation was conducted by Roy F. Weston, Inc. (Weston) of 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-4 Landfill site.

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-4 Landfill site are included in the Weston SI report. Initial field investigation activities were performed between November 1994 and March 1995 and included surface water sampling and groundwater monitoring well installation and sampling. 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 four groundwater monitoring wells comprise the quarterly groundwater monitoring program conducted by the DPW at the M-4 Landfill site. The groundwater samples collected on February 16, 1995 by Weston were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), Target Analyte List (TAL) metals and cyanide. According to the Weston SI report, no VOCs or SVOCs were detected above NJDEP GWQC, and one pesticide was detected slightly above the NJDEP GWQC in the upgradient well and in a duplicate. No pesticides were detected in the downgradient wells. No PCBs or cyanide were detected in the two sampling rounds. Four TAL metals were detected at concentrations above NJDEP GWQC, but below site-specific and Monmouth County Maximum Background Concentrations (MBC). Surface water sampling was not conducted in Mill Creek during the Weston SI. The Weston SI report

stated that the DPW recommended the implementation of a long-term groundwater monitoring program at the M-4 Landfill site due to the historical use of the site as a landfill. This remedial investigation was undertaken to further expand the Weston SI report by assessing the groundwater quality of the M-4 Landfill site and verify that no contaminants of concern (COCs) exist within the M-4 Landfill site groundwater.

Fort Monmouth DPW conducted Remedial Investigation (RI) activities at the M-4 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-4 Landfill site. Remedial groundwater investigation activities were conducted from May 1997 and continued through January 2001. Remedial surface water investigation activities were performed from October 1996 through February 2001.

Groundwater samples were collected during 16 quarterly sampling events and analyzed for VOCs, SVOCs, pesticides, PCBs and TAL metals. Two additional low-flow sampling rounds were conducted and analyzed for pesticides, PCBs and TAL metals, which are addressed separately below. A total of 104 samples were collected during of the groundwater sampling program. The groundwater samples were collected from four monitoring wells.

A quarterly surface water sampling was conducted by the DPW at the M-4 Landfill site from October 1996 and February 2001, in order to determine whether contamination of groundwater at the M-4 Landfill site has impacted nearby surface water. A total of 65 surface water samples were collected during 22 quarterly sampling events and analyzed for VOCs. A total of 22 surface water samples were collected from two of the three stream locations. Twenty-one surface water samples were collected from the stream location.

There were no VOCs, SVOCs pesticides or PCBs detected in the groundwater samples collected from the M-4 Landfill site at concentrations exceeding the NJDEP criteria. There were seven metals that were detected at concentrations exceeding the NJDEP criteria including detected in the groundwater samples collected at the M-4 Landfill site in concentrations exceeding the NJDEP GWQC. However, none of these seven metals were found to be COCs.

There were three VOCs that were detected at concentrations exceeding the NJDEP SWQC. However, these compounds were not detected within the groundwater and are not considered to be COCs relative to groundwater at the M-4 Landfill site. It is the DPW's contention that the concentrations of the three VOCs detected above the NJDEP surface water criteria in the surface water samples are from a source upgradient of the M-4 Landfill site and beyond the boundary of Fort Monmouth. Therefore, they are not identified as COCs in surface water at the M-4 Landfill site.

Therefore, no COCs exist within the groundwater and No Further Action (NFA) is recommended concerning the groundwater at the M-4 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-4 Landfill site located in the Fort Monmouth Main Post Area. This report addresses the remedial investigation activities conducted at the M-4 Landfill site between October 1996 and February 2001.

1.1 Objective

The objective of this RIR is to determine aquifer chemical and physical characteristics and to determine whether further remedial investigation or remedial action is required within the groundwater at the M-4 Landfill site. 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 overtime through quarterly groundwater sampling events conducted from May 1997 through January 2001.
- Characterization of surface water quality overtime through quarterly surface water sampling events conducted from October 1996 through February 2001.
- Comparison of the results of the groundwater and surface water quality and monitoring programs with the NJDEP Ground Water Quality Criteria (GWQC) and Surface Water Quality Standards (SWQS).
- Investigation and evaluation of the designated aquifer uses, the associated aquifer classification, and the appropriate groundwater quality criteria for groundwater resources beneath the M-4 Landfill site. The NJDEP GWQC 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.

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-4 Landfill site.

1.2 Report Organization

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-4 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 Remedial

Investigation (RI) field activities conducted at the M-4 Landfill site, including the groundwater and surface water sampling programs. **Section 4.0** presents the physical characterization of the M-4 Landfill site including the lithology and groundwater conditions at the M-4 Landfill site. The site chemical characterization is presented in **Section 5.0**, which includes groundwater and surface water sample results and the determination of potential contaminants of concern. Conclusions and a NFA recommendation for groundwater at the M-4 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-4 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-4 Landfill site is bounded by the Avenue of Memories to the south, North Drive to the north, Mill Creek to the west and Wilson Avenue to the east in the Main Post Area (**Figure 2-2**). The approximate area of the M-4 Landfill Site is 61,800 ft^2 (1.4 acres). Aerial photographs dated 1940 shows the M-4 Landfill site as a swamp. The M-4 Landfill site was historically used as a landfill in 1955 and 1956 for the disposal of demolition debris. The 360-foot portion of Mill Creek that flows along the western perimeter of the M-4 Landfill site has been reinforced with concrete plates and covered with grass and shrubs.

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-4 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-4 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 surface water sampling, groundwater monitoring well installation and sampling. The Weston SI report was used as the basis for the supplemental remedial investigations described in the following sections of this report (see **Appendix A).**

A total of four groundwater monitoring wells (M4-MW7, M4-MW8, M4-MW9 and M4-MW10) comprise the quarterly groundwater monitoring program conducted by the DPW at the M-4 Landfill site. Two monitoring wells (M4-MW8 and M4-MW10) were installed in the southwestern corner of the M-4 Landfill site, one monitoring well (M4-MW7) was installed in the southeast corner and one monitoring well (M4-MW10) was installed in the northwestern corner of the site. Wells M4-MW7, M4-MW8 and M4-MW9 were installed by J.C. Anderson in December 1994 and an additional well M4-MW10 was installed by Lutz Environmental, Inc. in November 1999. The wells were constructed with 4-inch diameter 10 Slot PVC ranging to depths of 15.5-22 feet below ground surface (bgs). The monitoring well construction details are presented in **Table 2-1.** Well boring logs and monitoring well records are provided in **Appendix B**. The locations of the four monitoring wells at the M-4 Landfill site are presented in **Figure 2-3**.

The groundwater samples collected on February 16, 1995 by Weston were analyzed for VOCs, SVOCs, pesticides, PCBs, TAL metals and cyanide. According to the Weston SI report, no VOCs or SVOCs were detected above NJDEP GWQC, and one pesticide was detected slightly above the NJDEP GWQC in the upgradient well (M4-MW7) and in a duplicate sample (see **Appendix A**). No pesticides were detected in the downgradient wells (M4-MW8 and M4-MW9). No PCBs or cyanide were detected in the two sampling rounds. Four TAL metals were detected at concentrations above NJDEP GWQC, but below site-specific and Monmouth County MBC. Surface water sampling was not conducted in Mill Creek during the Weston SI. The Weston SI report stated that the DPW recommended the implementation of a long-term groundwater monitoring program at the M-4 Landfill site due to the historical use of the site as a landfill. This remedial investigation was undertaken to further expand the Weston SI report (see **Appendix A**) by assessing the groundwater quality of the M-4 Landfill site and verify that no COCs exist within the M-4 Landfill site groundwater.

2.3 Current Conditions

VERSAR conducted a site walk on June 20, 2001, to assess current conditions at the M-4 Landfill site. The site consisted of an open field, which is maintained through landscaping. Site photographs are provided in **Appendix C**.

2.4 Environmental Setting

The following is a description of the geological and hydrogeological setting of the area surrounding the M-4 Landfill site. Included is a description of the regional geology and hydrogeology of the area surrounding Fort Monmouth and the Main Post Area.

2.4.1 Geology

Monmouth County lies within the New Jersey Section of the Atlantic Coastal Plain physiographic province. The M-4 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 to 60 feet per mile and were deposited on Precambrian and lower Paleozoic rocks (Zapecza, 1989). These sediments, predominantly derived from deltaic, shallow marine and continental shelf environments, date from Cretaceous through the Quaternary Periods. The mineralogy ranges from quartz to glauconite.

The formations record several major transgressive/regressive cycles and contain units, which are generally thicker to the southeast and reflect a deeper water environment. More than 20 regional geologic units are present within the sediments of the Coastal Plain. Regressive, upward coarsening deposits are usually aquifers (e.g., Englishtown and Kirkwood Formations and the Cohansey Sand), while the transgressive deposits act as confining units (e.g., the Merchantville, Marshalltown and Navesink Formations). The individual 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 to 80 percent of the sand fraction in the upper part of the unit. The upper part of the Tinton is often

highly oxidized and iron oxide encrusted (Minard, 1969). Groundwater occurs beneath the site at a depth of approximately 2 to 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, Inc, December 1995 (Weston SI), 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-4 Landfill site indicate that the lithology consists of a thin soil cover (0.4 feet) underlain by alternating layers of reworked sand, silt, and broken concrete gravel pieces with interbedded plant-root fragments. Borehole logs also represent a lithology consisting of orange-olive-brown fine-coarse sand with little silt at this site. Groundwater saturation was observed at approximately 7 feet bgs at each well location during drilling activities at the M-4 Landfill site. Water-level elevation data collected during the Weston SI indicate that local groundwater flow is west toward Mill Creek.

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 to 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 to 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 and November 21, 2003. 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-4 Landfill site appears to be flowing to the west towards Mill Creek.

2.4.3 Aquifer Classification

On review of the NJDEP Groundwater Quality Standards (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 ft/day or less; and
- 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.

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 to 5 percent slopes);
- FrB Freehold sandy loam (with 2 to 5 percent slopes);

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

The Downer series soils are well-drained soils that are found on uplands and terraces. The soils are formed in acid, silty coastal plain sediments. The Freehold soils are also well drained and are formed in acid, loamy, coastal plain sediments that, by volume, are 1 to 10 percent glauconite and are found on uplands. The Humaquepts soils are somewhat poorly- to very poorly- drained soils that are formed in stratified, sandy, or loamy sediments of fluvial origins. The Humaquepts soils are located on the floodplain and are subject to flooding several times each year. The Kresson loam is a nearly level to gently sloping soil and is somewhat poorly drained. The soil is found on low divides and in depressions. The Udorthents soils have been altered by excavation or filling activities. In filled areas, these soils consist of loamy material that is more than 20 inches thick. The filled areas include floodplain, tidal marshes and areas with moderately, well drained to very poorly drained soils. Some Udorthent soils contain concrete, asphalt, metal and glass. The soils in the vicinity of the M-4 Landfill site are classified as UA – Udortherts, smoothed (**Figure 2-8**).

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-4 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-4 Landfill site is bordered on the west of Mill Creek. Surface water runoff from the M-4 Landfill site is likely to flow west into Mill Creek.

3.0 SITE ACTIVITIES

Fort Monmouth DPW conducted RI activities at the M-4 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-4 Landfill site. Remedial groundwater investigation activities were conducted from May 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-4 Landfill site are described in the following sections.

3.1 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-groundwater measurements, recorded from May 1997 through January 2001, 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.**

3.2 Groundwater Sampling Activities

As a part of the remedial investigation, a quarterly groundwater sampling program was conducted by the DPW from May 1997 through January 2001, at the M-4 Landfill site. Sampling activities were performed in accordance with the *Fort Monmouth Standard Sampling Operating Procedure* (1997).

Groundwater samples were collected during 16 quarterly sampling events and analyzed for VOCs, SVOCs, pesticides, PCBs and TAL metals. Two additional low-flow sampling rounds were conducted and analyzed for pesticides, PCBs and TAL metals, which are addressed separately below. A total of 104 samples were collected during of the groundwater sampling program. The groundwater samples were collected from four 4-inch diameter monitoring wells (M4-MW7 through M4-MW10) (**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, sample IDs, 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 SI Report (Weston, 1995), several natural and anthropogenic factors contribute to the wide range in concentrations of metals in soils, which further impact the concentration of metals in groundwater. Soils derived from the glauconitic sands contain abundant aluminum, calcium, potassium, iron, magnesium, and manganese (among others), which are likely to be present at elevated concentrations in the groundwater, particularly when sediments are entrained in the collected groundwater samples. A low-

flow sampling methodology was proposed for use by the DPW and accepted by the NJDEP to assess the impact of entrained sediments on the dissolved phase 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.

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 15, 2000, and October 16, 2000. A total of 12 samples (out of the total 104 groundwater samples) were collected and analyzed 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 Fort Monmouth Environmental Testing Laboratory (FMETL) for TAL metals utilizing United States Environmental Protection Agency (USEPA) Methods 3120B and 3112B. The results of these analyses are discussed in greater detail in **Section 5.1**.

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. Copies of the chain-of-custody for the laboratory analyses can be found in **Appendix D**.

3.3 Surface Water Sampling Activities

A quarterly surface water sampling was conducted by the DPW at the M-4 Landfill site from October 1996 and February 2001, in order to determine whether contamination of groundwater at the M-4 Landfill site has impacted nearby surface water. A total of 65 surface water samples were collected during 22 quarterly sampling events and analyzed for VOCs. A total of 22 surface water samples were collected from two of the three stream locations (SS-5 and SS-15). Twenty-one surface water samples were collected from the stream location (SS-16). **Figure 3-1** shows the locations of the three surface water stream sampling locations at the M-4 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 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.**

4.0 SITE PHYSICAL CHARACTERISTICS

The following sections represent the findings of the site geologic and hydrogeologic characterization program for the M-4 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 May 1997 through January 2001 are also discussed in this section. The groundwater and surface water sampling and associated laboratory analytical data comprise the long-term monitoring program that was instituted by the DPW after the Weston SI activities.

4.1 Lithology

The lithology encountered at the M-4 Landfill site consists of primarily of fill material (sand, silt broken concrete, gravel and plant fragments), fine sand and clay. 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**.

Geologic cross-section A-A' is presented in **Figure 4-2.** Cross-section A-A' depicts the profiles for monitoring wells M4-MW7 and M4-MW10. Wells M4-MW7 and M4-MW10 encountered fill consisting of crushed concrete, sand with silty clay laminae, organics (grass roots), greenish gray to black silty clay and coarse sand with iron oxide laminae ranging from 0.5-18 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 (**Figures 4-3a** through **4-3g**) were generated based on groundwater depth measurements from the four monitoring wells collected between January 2000 and January 2001 (**Table 3-3**). Groundwater was encountered at the M-4 Landfill site at depths ranging from 4.96 feet to 9.97 feet bgs, grading toward Mill Creek. The groundwater underlying the site appears to be flowing in a consistent westerly direction towards Mill Creek. No significant changes were noted in groundwater flow directions based on the six rounds of water level measurements **(**January 2000 through January 2001) are presented in **Table 3-3.**

5.0 SITE CHEMICAL CHARACTERIZATION

This section includes a discussion of the chemical characterization of the M-4 Landfill site based on various samples collected and analyzed from the site, including 16 rounds of groundwater monitoring well samples, two rounds of low flow groundwater samples and 22 rounds of surface water samples. 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 at the M-4 Landfill site.

5.1 Groundwater Sampling Results

A total of 104 groundwater samples were collected from the four groundwater monitoring wells to evaluate potential chemical impacts to groundwater from the M-4 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 May 1997 through January 2001 from the four monitoring wells at the M-4 Landfill site. Three monitoring wells (M4-MW7, M4-MW8 and M4-MW9) were installed in December 1994 and the one monitoring well (M4-MW10) was installed in November 1999. The samples were collected by the DPW and 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 15, 2000 and October 16, 2000, using a low flow groundwater 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 criteria 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 of the four analytical categories: VOCs, SVOCs, pesticides and PCBs and TAL metals, in groundwater samples collected from the M-4 Landfill site. Two VOCs were detected in site groundwater at concentrations below the NJDEP criteria. Four SVOCs were detected in site groundwater at concentrations below the NJDEP criteria. One pesticide was detected in site groundwater at concentrations below the NJDEP criteria. A total of 22 TAL metals were detected in groundwater samples collected from the M-4 Landfill site during the 16 sampling rounds. Seven metals were detected at concentrations exceeding their respective NJDEP criteria, and the remaining fifteen metals were detected at concentrations below their respective NJDEP criteria.

5.1.1 Volatile Organic Compounds

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

5.1.2 Semi Volatile Organic 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 the 16 sampling rounds (May 1997 through January 2001) and the two low flow sampling rounds, a total of seven TAL metals were detected at concentrations exceeding the NJDEP GWQC in at least one sample at the M-4 Landfill site.

Aluminum was detected at concentrations exceeding the GWQC of 200 ug/L during 18 separate rounds of sampling collected at two separate monitoring well locations. Concentrations ranged from 203 ug/L in M4-MW8 (sampling round #5) to 3,520 ug/L in M4-MW8 (sampling round #9).

Iron was detected at concentrations exceeding the GWQC of 300 ug/L during 18 separate rounds of sampling collected at four separate monitoring well locations. Concentrations ranged from 305 ug/L in M4-MW7 (sampling round #9) to 393,000 ug/L in M4-MW8 (sampling round #9).

Lead was detected at concentrations exceeding the GWQC of 10 ug/L during four separate rounds of sampling collected at four separate monitoring well locations. Concentrations ranged from 12.2 ug/L in M4-MW9 (sampling round #6) to 57.8 ug/L in M4-MW7 (sampling round #13).

Manganese was detected at concentrations exceeding the GWQC of 50 ug/L during 18 separate rounds of sampling collected at four separate monitoring well locations.

Concentrations ranged from 50.3 ug/L in M4-MW7 (sampling round #3) to 402 ug/L in M4-MW8 (sampling round #9).

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 (M4-MW10) at a concentration of 931 ug/L (sampling round #12).

Silver was detected at concentrations exceeding the GWQC of 20 ug/L during one separate round of sampling collected at one separate monitoring well location (M4-MW7) at a concentration of 21 ug/L (sampling round #1).

Sodium was detected at concentrations exceeding the GWQC of 50,000 ug/L during two separate rounds of sampling collected at one separate monitoring well location (M4-MW7). Concentrations ranged from 55,150 ug/L (sampling round #2) to 58,340 ug/L (sampling round #1).

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-4 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 quarterly rounds of surface water sampling that were collected from October 1996 through February 2001, from three stream sampling points (SS-5, SS-15 and SS-16) around the M-4 Landfill site. The samples were collected by the DPW and analyzed by the FMETL for VOCs. **Figure 3-1** shows the locations of the surface water stream sampling points at the M-4 Landfill site.

A total of six VOCs were detected in site surface water. Three VOCs were detected above the NJDEP criteria and the remaining three VOCs were detected below the NJDEP criteria.

Methylene Chloride was detected at concentrations exceeding the NJDEP criteria of 2.49 ug/L during four separate rounds of sampling collected at three separate surface water stream sampling locations. Concentrations ranged from 2.68 ug/L at SS-15 (sampling round #4) to 5.51 ug/L at SS-15 (sampling round #3).

Tetrachloroethene (PCE) was detected at concentrations exceeding the NJDEP criteria of 4.29 ug/L during 22 separate rounds of sampling collected at three separate surface water stream sampling locations. Concentrations ranged from 3.58 ug/L at SS-5 (sampling round #21) to 25.32 ug/L at SS-15 (sampling round #20).

Trichloroethene (TCE) was detected at concentrations exceeding the NJDEP criteria of 1.09 ug/L during 13 separate rounds of sampling collected at three separate surface water stream sampling locations. Concentrations ranged from 1.14 ug/L at SS-16 (sampling round #4) to 2.58 ug/L at SS-15 (sampling round #1).

5.3 Contaminants of Concern

There were no VOCs, SVOCs pesticides or PCBs detected in the groundwater samples collected from the M-4 Landfill site at concentrations exceeding the NJDEP criteria. There were seven metals that were detected at concentrations exceeding the NJDEP criteria including (aluminum, iron, lead, manganese, nickel, silver and sodium) detected in the groundwater samples collected at the M-4 Landfill site in concentrations exceeding the NJDEP GWQC. These specific exceedences and the identification of each constituent as a potential contaminant of concern (COC) are discussed below. **Table 5-3** summarizes the process used to identify contaminants of concern at the M-4 Landfill site. None of these seven metals were found to be COCs.

As presented in the SI Report (Weston, 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 seven different metals that were detected in site groundwater at concentrations exceeding the New Jersey GWQC (aluminum, iron, lead, manganese, nickel, silver and sodium) are distinguished into background and non-native metals. The indigenous metals are compared to the Main Post Maximum Background Concentrations (MBC) identified in the SI Weston (Weston 1995), which are presented in **Table 5-3**. The non-native metals are discussed in relation to the New Jersey GWQC only.

Of the seven metals 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.

There were two non-native metals that exceeded the NJDEP criteria (lead and silver). The groundwater analytical results were compared with the low flow sampling results to

the NJDEP GWQC. As a result of this comparison, lead and silver were eliminated as COCs in groundwater at the M-4 Landfill site.

The two separate rounds of low flow groundwater sampling August 15, 2000 and October 16, 2000 were performed during the quarterly groundwater sampling program at the M-4 Landfill site, 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. This low-flow sampling approach resulted in the reduction of concentrations or the non-detections of nine uncharacteristic metals (antimony, arsenic, beryllium, cadmium, chromium, lead, mercury, selenium and silver) during the two rounds low flow groundwater sampling conducted at the M-4 Landfill site.

There were three VOCs (methylene chloride, PCE and TCE) that were detected at concentrations exceeding the NJDEP SWQC. Methylene chloride is a common laboratory compound, and therefore was not considered to be a COC. PCE was detected above the NJDEP criterion in 22 separate surface water sampling rounds in three stream sampling locations (SS-5, SS-15 and SS-16). TCE was detected in 13 separate surface water sampling rounds in three stream sampling locations (SS-5, SS-15 and SS-16). However, these compounds were not detected within the groundwater and are not considered to be COCs relative to groundwater at the M-4 Landfill site.

It is the DPW's contention that the concentrations of the three VOCs detected above the NJDEP surface water criteria in the surface water samples are from a source upgradient of the M-4 Landfill site and beyond the boundary of Fort Monmouth. Therefore, they are not identified as COCs in surface water at the M-4 Landfill site.

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, 16 method blanks for SVOCs, 16 method blanks for pesticides and PCBs, 18 method blanks for TAL metals, 13 trip blanks, 16 field blanks and 13 field duplicate samples. Samples were analyzed by the FMETL within the prescribed holding time requirements for each analytical method.

<u>Method Blanks</u>
Laboratory method blanks accompanied each batch of samples for the M-4 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, 16 method blanks for SVOCs, 16 method blanks for pesticides and PCBs and 18 method blanks for TAL metals were analyzed with the M-4 Landfill site samples.

Two SVOCs were detected in at least one method blank sample. These SVOCs were bis(2-ethylhexyl)phthalate and di-n-butylphthalate. Di-n-butylphthalate was detected at a

concentration below its NJDEP criteria, but bis(2-ethylhexyl)phthalate was detected at a concentration exceeding its NJDEP criteria. However, 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, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, potassium, sodium, thallium, vanadium, and zinc. All of the metals were detected in only a few samples at very low concentrations. 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-4 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.

Four VOCs were detected in at least one trip blank. Acetone was detected in three trip blanks at concentrations below its NJDEP criteria. 2-Butanone was detected in two trip blanks at concentrations 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-4 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-4 Landfill site groundwater samples.

The results of the field blank analyses showed that five VOCs were detected in at least one field blank. Acetone was detected in five field blanks at concentrations below its NJDEP criteria. Chloroform was detected in one field blank at a concentration below its NJDEP criteria. 1,2-Dichloroethane and 2-hexanone were both detected in one field blank, both at concentrations below their respective NJDEP criteria. Methylene chloride was detected in three field blanks, once 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.

Two SVOCs, bis(2-ethylhexyl) phthalate and di-n-butylphthalate, were each detected in at least one of the field blank samples. Both analytes were detected at low concentrations that are below their respective NJDEP criteria. In addition, each of these compounds was 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, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, silver, sodium, thallium, vanadium and zinc. Most of the metals were detected in only a few samples at very low concentrations. However, cadmium, lead and silver were each detected in one filed blank sample at a concentration exceeding their respective 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-4 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 ranged from 29.4% to 39.6%, and their averagd RPD was 22.5%. The RPDs for the duplicate samples SVOCs ranged from 18.6% to 136.1%, and their average RPD was 54.7%. 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 190.8%, however, the average RPDs for all of the metals results is 39.3%. 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-4 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 Groundwater Quality Standards (NJAC 7:9-6, January 7, 1993).

The analytical results for the groundwater samples collected at the M-4 Landfill site between May 1997 and January 2001 indicate that no COCs exist within the M-4 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 Ground Water Quality Standards (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 VOCs, SVOCs, pesticides or PCBs were detected in groundwater samples collected at the M-4 Landfill site in concentrations in excess of the NJDEP GWQC. Of the seven metals that exceeded the NJDEP cleanup criteria, five metals are common background constituents in Monmouth County and the Main Post Area soils. The two non-native metals that exceeded the NJDEP criteria were eliminated as COCs in groundwater at the M-4 Landfill site as a result of a comparison between the groundwater sampling results and the low-flow sampling results. There were two potential COCs within the surface water samples (PCE and TCE) but were not identified within the groundwater at the M-4 Landfill site. Therefore, no COCs exist within the groundwater and NFA is recommended concerning the groundwater at the M-4 Landfill site.

7.0 REFERENCES

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TABLES

Table 2-1
Well Construction Summary
M-4 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	Date of Construction
Units	**--**	**ft**	**ft**	**ft (amsl)[1]**	**ft (amsl)[1]**	**in**	**ft (bgs)[2]**	**ft (bgs)[2]**	**ft**	**in**	**--**	**--**
M4-MW7	29-32571	538779.976	617629.903	16.75	14.83	12	15.5	5.5	10.0	4.0	10 Slot PVC	12/14/1994
M4-MW8	29-32572	538881.043	617499.588	10.68	9.02	12	19.0	4.0	15.0	4.0	10 Slot PVC	12/13/1994
M4-MW9	29-32573	539075.585	617522.51	9.69	7.77	12	22.0	7.0	15.0	4.0	10 Slot PVC	12/13/1994
M4-MW10	29-41644	538790.15	617482.61	11.41	9.19	11	18.0	3.0	15.0	4.0	10 Slot PVC	11/23/1999

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
NA = Not available
Well locations were recorded using Trimble GPS equipment in August 2001.
Monitoring wells M4-MW7, M4-MW8 and M4-MW9 were installed by Weston for the DPW in December 1994.
Well M4-MW10 was installed by Lutz Environmental, Inc. for the DPW in November 1999.

Table 3-1
Groundwater Sample Collection Summary
M-4 Landfill Site
Fort Monmouth, New Jersey

Round #	Sample ID	Monitoring Well ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
1	2509.03	MW7	05/06/97	05/20/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2509.04	MW8	05/06/97	05/20/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2509.05	MW9	05/06/97	05/20/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2509.01	Trip	05/06/97	05/20/97	Aqueous	GW	VOCs	Method 624
	2509.02	Field	05/06/97	05/20/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2509.06	Duplicate	05/06/97	05/20/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
2	2906.04	MW7	08/19/97	08/19/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2906.05	MW8	08/19/97	08/19/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2906.03	MW9	08/19/97	08/19/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2906.01	Trip	08/15/97	08/19/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2906.02	Field	08/15/97	08/19/97	Aqueous	GW	VOCs	Method 624
	2906.06	Duplicate	08/15/97	08/19/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
3	3107.04	MW7	10/24/97	10/31/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3107.05	MW8	10/24/97	10/31/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3107.03	MW9	10/24/97	10/31/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3107.01	Trip	10/24/97	10/28/97	Aqueous	GW	VOCs	Method 624
	3107.02	Field	10/24/97	10/28/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3107.06	Duplicate	10/24/97	10/28/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
4	3347.03	MW7	02/18/98	02/23/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3347.04	MW8	02/18/98	02/23/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3347.05	MW9	02/18/98	02/23/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3347.01	Trip	02/18/98	02/23/98	Aqueous	GW	VOCs	Method 624
	3347.02	Field	02/18/98	02/23/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3347.06	Duplicate	02/18/98	02/23/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
5	3551.03	MW7	05/06/98	05/12/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3551.04	MW8	05/06/98	05/12/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3551.05	MW9	05/06/98	05/12/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3551.01	Trip	05/06/98	05/12/98	Aqueous	GW	VOCs	Method 624
	3551.02	Field	05/06/98	05/12/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3551.06	Duplicate	05/06/98	05/12/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
6	3711.03	MW7	07/09/98	07/16/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3711.04	MW8	07/09/98	07/16/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3711.05	MW9	07/09/98	07/16/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3711.01	Trip	07/09/98	07/16/98	Aqueous	GW	VOCs	Method 624
	3711.02	Field	07/09/98	07/16/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3711.06	Duplicate	07/09/98	07/16/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
7	4017.07	MW7	10/29/98	11/06/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4017.06	MW8	10/29/98	11/06/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4017.05	MW9	10/29/98	11/06/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4017.01	Trip	10/29/98	11/06/98	Aqueous	GW	VOCs	Method 624
	4017.02	Field	10/29/98	11/06/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4017.08	Duplicate	10/29/98	11/06/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
8	4245.03	MW7	02/04/99	02/16/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4245.04	MW8	02/04/99	02/16/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4245.05	MW9	02/04/99	02/16/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4245.01	Trip	02/04/99	02/16/99	Aqueous	GW	VOCs	Method 624
	4245.02	Field	02/04/99	02/16/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4245.06	Duplicate	02/04/99	02/17/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
9	4438.03	MW7	04/23/99	05/03/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4438.04	MW8	04/23/99	05/03/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4438.05	MW9	04/23/99	05/03/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4438.01	Trip	04/23/99	05/03/99	Aqueous	GW	VOCs	Method 624
	4438.02	Field	04/23/99	05/03/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4438.06	Duplicate	04/23/99	05/03/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B

Table 3-1
Groundwater Sample Collection Summary
M-4 Landfill Site
Fort Monmouth, New Jersey

Round #	Sample ID	Monitoring Well ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
10	4591.01	MW7	07/06/99	07/12/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4591.02	MW8	07/06/99	07/12/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4591.03	MW9	07/06/99	07/12/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
11	4841.01	MW7	10/05/99	10/06/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4841.02	MW8	10/05/99	10/06/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4841.03	MW9	10/05/99	10/06/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
12	5088.01	MW7	01/11/00	01/17/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5088.02	MW8	01/11/00	01/17/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5088.03	MW9	01/11/00	01/17/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5088.04	MW10	01/11/00	01/15/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5087.01	Trip	01/11/00	01/15/00	Aqueous	GW	VOCs	Method 624
	5087.02	Field	01/11/00	01/15/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5087.05	Duplicate	01/11/00	01/15/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
13	5388.01	MW7	05/01/00	05/09/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5388.02	MW8	05/01/00	05/09/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5388.03	MW9	05/01/00	05/09/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5388.04	MW10	05/01/00	05/09/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
14	5584.04	MW7	08/01/00	08/08/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5584.05	MW8	08/01/00	08/08/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5584.06	MW9	08/01/00	08/08/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5584.07	MW10	08/01/00	08/08/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5584.01	Trip	08/01/00	08/08/00	Aqueous	GW	VOCs	Method 624
	5584.02	Field	08/01/00	08/08/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5584.03	Duplicate	08/01/00	08/08/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
LF1	5631.02	MW7	08/15/00	08/30/00	Aqueous	GW	TAL Metals	Method 3120B and 3112
	5631.03	MW8	08/15/00	08/30/00	Aqueous	GW	TAL Metals	Method 3120B and 3112
	5631.04	MW9	08/15/00	08/30/00	Aqueous	GW	TAL Metals	Method 3120B and 3112
	5631.05	MW10	08/15/00	08/30/00	Aqueous	GW	TAL Metals	Method 3120B and 3112
	5631.01	Field	08/15/00	08/30/00	Aqueous	GW	TAL Metals	Method 3120B and 3112
	5631.06	Duplicate	08/15/00	08/30/00	Aqueous	GW	TAL Metals	Method 3120B and 3112
LF2	5970.06	MW7	10/16/00	10/16/00	Aqueous	GW	TAL Metals	Method 3120B and 3112
	5790.04	MW8	10/16/00	10/16/00	Aqueous	GW	TAL Metals	Method 3120B and 3112
	5790.03	MW9	10/16/00	10/16/00	Aqueous	GW	TAL Metals	Method 3120B and 3112
	5790.05	MW10	10/16/00	10/16/00	Aqueous	GW	TAL Metals	Method 3120B and 3112
	5790.01	Field	10/16/00	10/16/00	Aqueous	GW	TAL Metals	Method 3120B and 3112
	5790.02	Duplicate	10/16/00	10/16/00	Aqueous	GW	TAL Metals	Method 3120B and 3112
15	5783.01	MW7	10/12/00	10/17/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5783.02	MW8	10/12/00	10/17/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5783.03	MW9	10/12/00	10/17/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5783.04	MW10	10/12/00	10/17/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5784.01	Trip	10/12/00	10/17/00	Aqueous	GW	VOCs	Method 624
	5784.02	Field	10/12/00	10/17/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5784.03	Duplicate	10/12/00	10/17/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
16	12	MW7	01/03/01	01/10/01	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	13	MW8	01/03/01	01/10/01	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	14	MW9	01/03/01	01/10/01	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	15	MW10	01/03/01	01/10/01	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	9	Trip	01/03/01	01/10/01	Aqueous	GW	VOCs	Method 624
	10	Field	01/03/01	01/10/01	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B
	11	Duplicate	01/03/01	01/10/01	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs and TAL Metals	Method 624, 625, 608, 3120B, 3112B

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

Table 3-2
Surface Water Sample Collection Summary
M-4 Landfill Site
Fort Monmouth, New Jersey

Round #	Sample ID	Stream Location	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
	2178.05	5	10/08/96	10/10/96	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
1	2178.15	15	10/08/96	10/10/96	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	2223.14	5	11/25/96	12/09/96	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
2	2223.09	15	11/25/96	12/09/96	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	2223.10	16	11/25/96	12/09/96	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	2246.14	5	12/12/96	12/19/96	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
3	2246.09	15	12/12/96	12/19/96	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	2246.10	16	12/12/96	12/19/96	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	2298.14	5	01/29/97	02/06/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
4	2298.09	15	01/29/97	02/06/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	2298.1	16	01/29/97	02/06/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	2361.13	5	02/26/97	03/07/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
5	2361.09	15	02/26/97	03/07/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	2361.10	16	02/26/97	03/07/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	2375.13	5	03/10/97	03/12/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
6	2375.09	15	03/10/97	03/12/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	2375.10	16	03/10/97	03/12/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	2439.13	5	04/08/97	04/18/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
7	2439.09	15	04/08/97	04/18/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	2439.10	16	04/08/97	04/18/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	2810.13	5	07/17/97	07/29/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
8	2810.09	15	07/17/97	07/29/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	2810.10	16	07/17/97	07/29/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	3121.13	5	10/30/97	11/04/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
9	3121.09	15	10/30/97	11/04/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	3121.10	16	10/30/97	11/04/97	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	3331.13	5	02/10/98	02/13/98	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
10	3331.09	15	02/10/98	02/13/98	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	3331.10	16	02/10/98	02/13/98	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	3499.13	5	04/21/98	04/30/98	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
11	3499.09	15	04/21/98	04/30/98	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	3499.10	16	04/21/98	04/30/98	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602

Table 3-2
Surface Water Sample Collection Summary
M-4 Landfill Site
Fort Monmouth, New Jersey

Round #	Sample ID	Stream Location	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
12	3816.11	5	08/19/98	08/22/98	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	3816.09	15	08/19/98	08/22/98	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	3816.10	16	08/19/98	08/22/98	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
13	4060.10	5	11/18/98	11/21/98	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	4069.08	15	11/18/98	11/21/98	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	4069.06	16	11/18/98	11/21/98	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
14	4300.13	5	02/25/99	03/09/99	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	4300.09	15	02/25/99	03/09/99	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	4300.10	16	02/25/99	03/09/99	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
15	4579.15	5	06/29/99	07/10/99	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	4579.11	15	06/29/99	07/10/99	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	4579.12	16	06/29/99	07/10/99	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
16	4806.06	5	09/22/99	09/25/99	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	4802.11	15	09/22/99	09/25/99	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	4806.03	16	09/22/99	09/25/99	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
17	4997.11	5	12/08/99	12/13/99	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	4997.17	15	12/08/99	12/13/99	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	4997.12	16	12/08/99	12/13/99	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
18	5211.11	5	03/01/00	03/04/00	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	5211.17	15	03/01/00	03/04/00	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	5211.13	16	03/01/00	03/04/00	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
19	5468.15	5	06/12/00	06/14/00	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	5468.12	15	06/12/00	06/14/00	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	5468.14	16	06/12/00	06/14/00	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
20	5658.15	5	08/24/00	09/06/00	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	5658.12	15	08/24/00	09/06/00	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	5658.14	16	08/24/00	09/06/00	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
21	5868.15	5	11/20/00	11/21/00	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	5868.12	15	11/20/00	11/21/00	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	5868.11	16	11/20/00	11/21/00	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
22	1309	5	02/21/00	02/28/01	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	962	15	02/21/00	02/28/01	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602
	963	16	02/21/00	02/28/01	Aqueous	Surface Water	VOCs and Wet Chemisty	Method 601 and 602

Notes:
VOCs: Volatile Organic Compounds

Table 3-3
Groundwater Elevation Summary
M-4 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.
M4-MW7	14.83	05/06/97	7.7	7.13	08/15/97	9.15	5.68	10/24/97	9.7	5.13	02/18/98	6.4	8.43
M4-MW8	9.68	05/06/97	6.5	3.18	08/15/97	6.9	2.78	10/24/97	7.6	2.08	02/18/98	5.95	3.73
M4-MW9	9.69	05/06/97	5.4	4.29	08/15/97	6.1	3.59	10/24/97	6.75	2.94	02/18/98	4.99	4.7
M4-MW10	11.41	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 the inner casing survey mark.
3) NS: Not Sampled

Table 3-3
Groundwater Elevation Summary
M-4 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.
M4-MW7	14.83	05/06/98	6.92	7.91	07/09/98	8.63	6.2	10/29/98	9.97	4.86	02/04/99	7.41	7.42
M4-MW8	9.68	05/06/98	6.18	3.50	07/09/98	6.76	2.92	10/29/98	7.53	2.15	02/04/99	7.08	2.60
M4-MW9	9.69	05/06/98	5.31	4.38	07/09/98	6.12	3.57	10/29/98	6.88	2.81	02/04/99	6.18	3.51
M4-MW10	11.41	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 the inner casing survey mark
3) NS: Not Sampled

Table 3-3
Groundwater Elevation Summary
M-4 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.
M4-MW7	14.83	05/26/99	7.86	6.97	07/06/99	9.2	5.63	10/05/99	8.94	5.89	01/11/00	8.15	6.68
M4-MW8	9.68	05/26/99	7.2	2.48	07/06/99	7.51	2.17	10/05/99	6.8	2.88	01/11/00	7.31	2.37
M4-MW9	9.69	05/26/99	5.94	3.75	07/06/99	6.68	3.01	10/05/99	5.71	3.98	01/11/00	6.15	3.54
M4-MW10	11.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	01/11/00	8.61	2.8

Notes:
1) Elevation in feet
above mean sea level.
2) Depth to water: depth in feet
from the inner casing survey mark
3) NS: Not Sampled

Table 3-3
Groundwater Elevation Summary
M-4 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.
M4-MW7	14.83	05/01/00	7.51	7.32	08/01/00	8.08	6.75	08/15/00	7.2	7.63	10/12/00	7.91	6.92
M4-MW8	9.68	05/01/00	6.94	2.74	08/01/00	7.28	2.4	08/15/00	6.65	3.03	10/12/00	7.38	2.3
M4-MW9	9.69	05/01/00	5.54	4.15	08/01/00	5.91	3.78	08/15/00	4.96	4.73	10/12/00	5.97	3.72
M4-MW10	11.41	05/01/00	8.81	2.6	08/01/00	8.37	3.04	08/15/00	8	3.41	10/12/00	8.65	2.76

Notes:
1) Elevation in feet
above mean sea level.
2) Depth to water: depth in feet
from the inner casing survey mark
3) NS: Not Sampled

Table 3-3
Groundwater Elevation Summary
M-4 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.
M4-MW7	14.83	10/16/00	8.1	6.73	01/03/01	8.28	6.55
M4-MW8	9.68	10/16/00	7.3	2.38	01/03/01	7.88	1.8
M4-MW9	9.69	10/16/00	6.3	3.39	01/03/01	6.49	3.2
M4-MW10	11.41	10/16/00	8.4	3.01	01/03/01	8.83	2.58

Notes:
1) Elevation in feet
above mean sea level.
2) Depth to water: depth in feet
from the inner casing survey mark
3) NS: Not Sampled

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

Well ID	Units	M4-MW10	M4-MW7
Elevation of Top of Casing	ft (amsl)	11.41	16.75
Elevation of Ground Surface	ft (amsl)	9.19	14.83
Elevation of Top of Screen	ft (amsl)	8.41	11.25
Elevation of Groundwater (1/11/00)	ft (amsl)	2.8	6.68
Elevation of Top of Unit 2	ft (amsl)	8.69	14.33
Elevation of Top of Unit 3	ft (amsl)	3.19	10.83
Elevation of Top of Unit 4	ft (amsl)	-0.81	NA
Elevation of Bottom of Well	ft (amsl)	-8.81	-0.67
Distance from Point A on Cross-Section	ft	0	142

Explanation of Units

Surface Materials:

Unit 1 (not in table) = Brown topsoil

Unit 2 = Fill: Brown coarse-med-fine sand, little fine gravel, concrete

Upper Red Bank Formation (Shrewsbury):

Unit 3 = Brown, orange, and greenish brown sand with silt, clay and small gravel laminae

Lower Red Bank Formation (Sandy Hook):

Unit 4 = Greenish gray to black clay and silt

Notes:

All measurements in feet.

amsl: above mean sea level.

NA: Not Applicable.

Table 5-1
Groundwater Sampling Analytical Results
M-4 Landfill Site
Fort Monmouth, New Jersey

			M4MW07		NJDEP#29-32571															
Field Sample Location	**NJDEP**	**Site**	M4MW07	M4MW07	M4MW07	M4MW07	M4MW07	M4MW07	M4MW07	M4MW07	M4MW07	M4MW07	M4MW07	M4MW07	M4MW07	M4MW07	M4MW07	M4MW07	M4MW07	M4MW07
Lab Sample ID	**Criteria**	**Specific**	2509.03	2906.04	3107.04	3347.03	3551.03	3711.03	4017.07	4245.03	4438.03	4591.01	4841.01	5088.01	5388.01	5584.04	5631.02	5783.01	5970.06	12
Sample Date		**MBC[1]**	05/06/97	08/19/97	10/24/97	02/18/98	05/06/98	07/09/98	10/29/98	02/04/99	04/23/99	07/06/99	10/05/99	01/11/00	05/01/00	08/01/00	08/15/00	10/12/00	10/16/00	01/03/01
Round Number			1	2	3	4	5	6	7	8	9	10	11	12	13	14	LF1	15	LF2	16
Volatiles (ug/L)																				
Acetone	**700**	**NA**	ND	ND	ND	ND	ND	ND	8.46	ND	7.39	ND	ND	ND	ND	ND	NA	4.87	NA	ND
2-Butanone	**300**	**NA**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND
Semi-Volatiles (ug/L)																				
Napthalene	**100[2]**	**NA**	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND
Di-n-butylphthalate	**900**	**NA**	5.96	60.77	2.28	8.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND
bis(2-Ethylhexyl)phthalate	**30**	**NA**	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	4.99	ND	ND	NA	ND	NA	ND
Di-n-octylphthalate	**100**	**NA**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND
Pesticide/PCB																				
4,4'-DDT	**0.10**	**NA**	ND	ND	ND	ND	ND	0.0015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ug/L)																				
Aluminum	**200**	**121000**	**1485**	**620**	**559**	**538**	**962**	**969**	**582**	**474**	**606**	**377**	**527**	**411**	**646**	**580**	**425**	**759**	**626**	**874**
Antimony	**20**	**N/A**	ND	1.1	ND	ND	ND	5.45	3.96	ND	ND	ND	3.27	ND	ND	ND	4.35	ND	ND	ND
Arsenic	**8**	**N/A**	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	**2000**	**699**	65.5	100	83.6	32.4	18.5	28.1	94.7	29.5	26.6	44.6	52.7	35	27.8	39	35.6	35.3	41.3	53.7
Beryllium	**20**	**2.1**	0.32	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	**4**	**N/A**	ND	ND	ND	ND	0.6	0.73	ND	ND	2.59	0.655	1.65	0.969	1.38	0.754	ND	0.611	0.778	0.92
Calcium	**NLE**	**N/A**	19400	15440	9680	13760	8562	11100	14500	11000	12800	14400	15800	12500	14000	15700	13800	14300	15700	24100
Chromium	**100**	**191**	0.7	89	1.8	ND	1.4	ND	1.22	4.28	2.7	2.78	3.11	ND	5.78	ND	ND	1.82	ND	ND
Cobalt	**NLE**	**N/A**	ND	ND	2.3	2.8	1.6	2.19	2.82	3.2	3.13	3.04	4.65	2.77	3.36	4.14	2.92	3.67	3.97	5.87
Copper	**1000**	**65.6**	23	6	12	12	ND	4.71	ND	108	4.63	47.7	22.6	ND	431	ND	ND	ND	ND	ND
Iron	**300**	**431000**	160	**820**	**2491**	163	**1621**	**3770**	**1830**	**442**	**305**	**554**	**731**	**315**	**392**	**314**	279	**774**	107	**361**
Lead	**10**	**N/A**	ND	0.5	**20**	ND	ND	7.96	ND	ND	ND	ND	ND	ND	**57.8**	1.33	3.57	ND	ND	ND
Magnesium	**NLE**	**62700**	7320	7070	5530	4070	2882	3230	6780	3540	3950	4160	4980	4150	4710	5100	4350	4430	4740	7230
Manganese	**50**	**331**	**90**	**81**	**50.3**	40.7	24.9	39.7	**53.6**	39.7	**71.2**	41.3	**55.2**	41.7	44.9	**52.6**	42.3	45.7	**51.2**	**66.3**
Mercury	**2**	**0.26**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	**100**	**N/A**	ND	ND	7.8	7.8	5.4	4.31	6.09	14.6	5.79	6.77	9.81	4.57	23.7	6.94	3.82	4.59	5.33	3.72
Potassium	**NLE**	**137000**	3380	2220	3730	ND	2117	2570	4200	1060	2460	1320	2040	1640	1320	1520	1450	1620	1550	1800
Selenium	**50**	**N/A**	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	**20**	**N/A**	**21**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	**50000**	**21500**	**58340**	**55150**	17860	27110	19310	28500	29300	21500	26400	39700	20500	29600	13300	12400	14200	25100	33800	48700
Vanadium	**NLE**	**108**	ND	300	ND	ND	3.2	5.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.58	1.09	ND
Zinc	**5000**	**233**	51	42	75	46	12.8	66.5	23.7	42.2	35.2	38.3	52.6	49.5	513	49.6	32.4	42.8	33.6	32

Notes

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

NJDEP Criteria: Higher of Practical Quantitation Limits (PQLs) & Groundwater Quality Criteria (GWQC) (N.J.A.C. 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]Interim Criteria used as NJDEP criteria

LF: Low Flow Sampling

Table 5-1
Groundwater Sampling Analytical Results
M-4 Landfill Site
Fort Monmouth, New Jersey

			M4MW08		NJDEP#29-32572															
Field Sample Location	**NJDEP**	**Site**	M4MW08	M4MW08	M4MW08	M4MW08	M4MW08	M4MW08	M4MW08	M4MW08	M4MW08	M4MW08	M4MW08	M4MW08	M4MW08	M4MW08	M4MW08	M4MW08	M4MW08	M4MW08
Lab Sample ID	**Criteria**	**Specific**	2509.04	2906.05	3107.05	3347.04	3551.04	3711.04	4017.06	4245.04	4438.04	4591.02	5631.03	4841.02	5790.04	5088.02	5388.02	5584.05	5783.02	13
Sample Date		**MBC[1]**	05/06/97	08/19/97	10/24/97	02/18/98	05/06/98	07/09/98	10/29/98	02/04/99	04/23/99	07/06/99	08/15/00	10/05/99	10/16/00	01/11/00	05/01/00	08/01/00	10/12/00	01/03/01
Round Number			1	2	3	4	5	6	7	8	9	10	LF1	11	LF2	12	13	14	15	16
Volatiles (ug/L)																				
Acetone	**700**	**NA**	ND	ND	ND	ND	ND	16.68	13.01	ND	8.64	ND	NA	ND	NA	ND	ND	ND	ND	ND
2-Butanone	**300**	**NA**	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2	NA	ND	NA	ND	ND	ND	ND	ND
Semi-Volatiles (ug/L)																				
Napthalene	**100[2]**	**NA**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
Di-n-butylphthalate	**900**	**NA**	11.67	56.16	6.42	10.8	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	**30**	**NA**	ND	ND	1.34	ND	1.6	ND	ND	15.08	1.18	ND	NA	ND	NA	2.2	ND	ND	ND	ND
Di-n-octylphthalate	**100**	**NA**	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	NA	ND	NA	ND	ND	ND	ND	ND
Pesticide/PCB																				
4,4'-DDT	**0.10**	**NA**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ug/L)																				
Aluminum	**200**	**121000**	35.4	34.2	113	128	**203**	**293**	15.8	**942**	**3520**	**1020**	ND	176	29.9	170	132	47.9	70.6	ND
Antimony	**20**	**N/A**	ND	1.3	ND	ND	ND	4.72	5.36	2.92	7.05	ND	4.44	ND	ND	ND	ND	5.5	ND	ND
Arsenic	**8**	**N/A**	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	**2000**	**699**	34.2	70	29.5	36	74	81.1	40.9	176	990	405	33.3	54.9	33.2	173	217	41.2	32	86.5
Beryllium	**20**	**2.1**	0.23	ND	ND	ND	ND	ND	ND	0.58	2.13	1.06	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	**4**	**N/A**	ND	ND	ND	ND	ND	ND	ND	0.697	ND	2.17	ND	1.91	ND	ND	ND	ND	ND	ND
Calcium	**NLE**	**N/A**	30750	33340	35680	38960	38520	54000	45500	77600	54800	37500	34100	42400	32700	44300	40600	52700	40900	43600
Chromium	**100**	**191**	ND	90	1.2	ND	ND	ND	ND	9.36	22.3	8.89	ND	4.16	1.05	2.77	3.34	1.09	0.653	ND
Cobalt	**NLE**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.21	ND	ND	ND	ND	ND	ND	ND	ND
Copper	**1000**	**65.6**	44	6	11	9	ND	3.71	ND	17.8	11.1	24.4	ND	19.5	ND	ND	ND	ND	ND	ND
Iron	**300**	**431000**	**13910**	**13760**	**11060**	**14930**	**34950**	**24900**	**15400**	**112000**	**393000**	**54200**	**12700**	**21800**	**12500**	**49400**	**73800**	**16700**	**12000**	**28800**
Lead	**10**	**N/A**	ND	1	**18**	ND	ND	2.7	ND	ND	8.35	3.46	1.56	ND	ND	ND	ND	2.27	ND	ND
Magnesium	**NLE**	**62700**	5990	5840	6120	5950	6460	7590	8070	7600	7670	7650	6230	6680	5740	7160	6990	8440	7120	7210
Manganese	**50**	**331**	**119**	**125**	**107.2**	**121**	**135**	**158**	**135**	**160**	**402**	**152**	**122**	**149**	**123**	**167**	**164**	**152**	**132**	**130**
Mercury	**2**	**0.26**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.29	0.1	0.1	ND	ND	ND	ND	ND	ND
Nickel	**100**	**N/A**	ND	ND	ND	3.4	2.1	ND	ND	5.3	ND	4.27	ND	2.77	ND	ND	ND	ND	ND	ND
Potassium	**NLE**	**137000**	610	6090	6730	7610	9570	9450	10200	5140	10500	5840	6310	7250	6030	6320	7120	6170	5830	6770
Selenium	**50**	**N/A**	ND	ND	ND	ND	ND	ND	ND	6.19	5.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	**20**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	**50000**	**21500**	10100	10750	15360	11960	13560	8970	19600	17400	17200	30400	8210	13800	10500	15000	12800	13000	18800	16100
Vanadium	**NLE**	**108**	ND	300	ND	ND	1.5	1.49	ND	4.05	11.4	5.9	ND	ND	0.916	1.54	2.63	0.632	1.55	ND
Zinc	**5000**	**233**	9	ND	53	12	4.8	66.7	ND	87.5	294	109	26.5	20.2	8.38	42.1	14.9	17	13.2	21.4

Notes

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

NJDEP Criteria: Higher of Practical Quantitation Limits (PQLs) & Groundwater Quality Criteria (GWQC) (N.J.A.C. 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]Interim Criteria used as NJDEP criteria

LF: Low Flow Sampling

Table 5-1
Groundwater Sampling Analytical Results
M-4 Landfill Site
Fort Monmouth, New Jersey

			M4MW09		NJDEP#29-32573															
Field Sample Location	**NJDEP**	**Site**	M4MW09	M4MW09	M4MW09	M4MW09	M4MW09	M4MW09	M4MW09	M4MW09	M4MW09	M4MW09	M4MW09	M4MW09	M4MW09	M4MW09	M4MW09	M4MW09	M4MW09	M4MW09
Lab Sample ID	**Criteria**	**Specific**	2509.05	2906.03	3107.03	3347.05	3551.05	3711.05	4017.05	4245.05	4438.05	4591.03	4841.03	5088.03	5388.03	5584.06	5631.04	5783.03	5790.03	14
Sample Date		**MBC[1]**	05/06/97	08/19/97	10/24/97	02/18/98	05/06/98	07/09/98	10/29/98	02/04/99	04/23/99	07/06/99	10/05/99	01/11/00	05/01/00	08/01/00	08/15/00	10/12/00	10/16/00	01/03/01
Round Number			1	2	3	4	5	6	7	8	9	10	11	12	13	14	LF1	15	LF2	16
Volatiles (ug/L)																				
Acetone	**700**	**NA**	ND	ND	ND	ND	ND	ND	16.17	ND	7.59	5.92	ND	ND	ND	ND	NA	ND	NA	ND
2-Butanone	**300**	**NA**	ND	ND	ND	ND	ND	ND	5.72	ND	ND	6.32	ND	ND	ND	ND	NA	ND	NA	ND
Semi-Volatiles (ug/L)																				
Napthalene	**100[2]**	**NA**	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND
Di-n-butylphthalate	**900**	**NA**	3.04	50.51	11.15	5.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND
bis(2-Ethylhexyl)phthalate	**30**	**NA**	ND	ND	ND	ND	ND	ND	ND	2.36	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND
Di-n-octylphthalate	**100**	**NA**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND
Pesticide/PCB																				
4,4'-DDT	**0.10**	**NA**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ug/L)																				
Aluminum	**200**	**121000**	91	101.6	107	80	ND	21.2	ND	ND	ND	ND	34	ND	ND	12	ND	24.7	36.7	ND
Antimony	**20**	**N/A**	ND	ND	ND	ND	ND	6.52	6.52	ND	ND	ND	ND	ND	ND	3.65	5.48	ND	ND	ND
Arsenic	**8**	**N/A**	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	**2000**	**699**	109.1	130	46.7	42	80	278	72.4	66.7	62.5	72.2	58.7	49	59.9	47.6	50.7	41.4	45.3	50.8
Beryllium	**20**	**2.1**	0.25	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	1.65	0.75	0.904	ND	ND	ND	ND	ND	ND	ND
Calcium	**NLE**	**N/A**	44040	40010	42140	44320	44510	45500	43700	44100	40400	40900	44200	40900	37900	37800	43300	39500	41700	44200
Chromium	**100**	**191**	ND	68	1.4	ND	ND	ND	ND	ND	2.15	2.18	2.16	ND	ND	ND	ND	ND	0.741	ND
Cobalt	**NLE**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	**1000**	**65.6**	32	8	11	10	ND	26.5	5.21	ND	4.08	15.6	12.6	ND	ND	22.6	ND	ND	ND	ND
Iron	**300**	**431000**	**36990**	**7170**	**14650**	**6019**	**19630**	**15500**	**14000**	**13100**	**11100**	**12900**	**8800**	**9480**	**8800**	**6010**	**9180**	**4700**	**7440**	**7730**
Lead	**10**	**N/A**	0.5	ND	9	ND	ND	**12.2**	ND	ND	ND	ND	ND	ND	ND	1.9	2.84	ND	ND	ND
Magnesium	**NLE**	**62700**	6390	6070	5340	5840	6243	5650	5480	5960	5830	5760	5640	5810	5600	5430	5790	5490	5480	6440
Manganese	**50**	**331**	**68**	**64**	**76.5**	**66**	**90.5**	**58.2**	41.9	**114**	**53.7**	18.2	47.2	**53.7**	46.3	15.6	**59.7**	22.2	**53.9**	40.4
Mercury	**2**	**0.26**	ND	ND	ND	ND	ND	ND	ND	ND	0.11	0.34	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	**100**	**N/A**	ND	ND	1.5	3.5	1.9	0.847	ND	2.45	0.971	ND	2.02	ND	ND	1.17	ND	ND	ND	ND
Potassium	**NLE**	**137000**	7090	7600	8160	8780	10910	9980	9520	7450	8200	7450	8360	7180	7630	7170	7700	7140	7230	8080
Selenium	**50**	**N/A**	ND	ND	ND	ND	ND	ND	ND	4.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	**20**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	**50000**	**21500**	8300	8270	9800	8370	9376	8140	8190	8170	7480	6040	7630	7630	5760	3170	6760	7020	7540	5750
Vanadium	**NLE**	**108**	ND	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.01	0.733	ND
Zinc	**5000**	**233**	26	ND	52	43	5.9	98.6	ND	18.5	18.7	25.3	12	14.6	4.17	18.6	ND	7.63	12.6	ND

Notes

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

NJDEP Criteria: Higher of Practical Quantitation Limits (PQLs) & Groundwater Quality Criteria (GWQC) (N.J.A.C. 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]Interim Criteria used as NJDEP criteria

LF: Low Flow Sampling

Table 5-1
Groundwater Sampling Analytical Results
M-4 Landfill Site
Fort Monmouth, New Jersey

			M4MW10		NJDEP#29-41644				
Field Sample Location	**NJDEP**	**Site**	M4MW10	M4MW10	M4MW10	M4MW10	M4MW10	M4MW10	M4MW10
Lab Sample ID	**Criteria**	**Specific**	5088.04	5388.04	5584.07	5631.05	5783.04	5790.05	15
Sample Date		**MBC[1]**	01/11/00	05/01/00	08/01/00	08/15/00	10/12/00	10/16/00	01/03/01
Round Number			12	13	14	LF1	15	LF2	16
Volatiles (ug/L)									
Acetone	**700**	**NA**	ND	ND	ND	NA	ND	NA	ND
2-Butanone	**300**	**NA**	ND	ND	ND	NA	ND	NA	ND
Semi-Volatiles (ug/L)									
Napthalene	**100[2]**	**NA**	ND	ND	ND	NA	ND	NA	ND
Di-n-butylphthalate	**900**	**NA**	ND	ND	ND	NA	ND	NA	ND
bis(2-Ethylhexyl)phthalate	**30**	**NA**	ND	ND	ND	NA	ND	NA	ND
Di-n-octylphthalate	**100**	**NA**	ND	ND	ND	NA	ND	NA	ND
Pesticide/PCB									
4,4'-DDT	**0.10**	**NA**	ND	ND	ND	ND	ND	ND	ND
Metals (ug/L)									
Aluminum	**200**	**121000**	31.3	79	13.9	ND	35.8	27.8	ND
Antimony	**20**	**N/A**	ND	ND	5.07	4.13	ND	ND	ND
Arsenic	**8**	**N/A**	ND	ND	ND	ND	ND	ND	ND
Barium	**2000**	**699**	516	109	117	63.1	76.7	58.2	286
Beryllium	**20**	**2.1**	0.582	ND	ND	ND	ND	ND	ND
Cadmium	**4**	**N/A**	ND	ND	ND	ND	ND	ND	ND
Calcium	**NLE**	**N/A**	31900	29400	26900	28100	24100	24900	31300
Chromium	**100**	**191**	2.28	ND	0.895	ND	ND	ND	ND
Cobalt	**NLE**	**N/A**	ND	1.89	ND	ND	ND	ND	ND
Copper	**1000**	**65.6**	ND	25.6	ND	ND	2.34	ND	172
Iron	**300**	**431000**	**64300**	**29500**	**30900**	**19000**	**22400**	**18400**	**42800**
Lead	**10**	**N/A**	ND	ND	8.01	2.12	ND	ND	**35.6**
Magnesium	**NLE**	**62700**	3760	3570	3450	3370	3380	3210	3720
Manganese	**50**	**331**	**124**	**113**	**103**	**102**	**102**	**103**	**115**
Mercury	**2**	**0.26**	ND	0.2	ND	ND	ND	ND	ND
Nickel	**100**	**N/A**	ND	**931**	1.16	ND	ND	ND	2.08
Potassium	**NLE**	**137000**	7990	7430	7520	7640	7460	7020	8830
Selenium	**50**	**N/A**	ND	ND	ND	ND	ND	ND	ND
Silver	**20**	**N/A**	ND	ND	ND	ND	ND	ND	ND
Sodium	**50000**	**21500**	10800	9650	7270	6410	12700	9520	11000
Vanadium	**NLE**	**108**	2.1	ND	0.692	ND	0.975	0.99	ND
Zinc	**5000**	**233**	17.1	74.7	46.2	35.3	28.5	ND	265

Notes

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

NJDEP Criteria: Higher of Practical Quantitation Limits (PQLs) & Groundwater Quality Criteria (GWQC) (N.J.A.C. 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]Interim Criteria used as NJDEP criteria

LF: Low Flow Sampling

Table 5-2
Surface Water Sampling Analytical Results
M-4 Landfill Site
Fort Monmouth, New Jersey

Stream Sampling Location SS-5
October 1996 to February 2001

Lab Sample ID **Sample Date** **Round**	NJDEP SWQS (ug/L)	2178.05 10/8/96 1	2223.14 11/25/96 2	2246.14 12/12/96 3	2298.14 1/29/97 4	2361.13 2/26/97 5	2375.13 3/10/97 6	2439.13 4/8/97 7	2810.13 7/17/97 8	3121.13 10/30/97 9	3331.13 2/10/98 10	3499.13 4/21/98 11	3816.11 8/19/98 12	4060.10 11/17/98 13	4300.13 2/25/99 14	4579.15 6/29/99 15	4806.06 9/22/99 16	4997.11 12/8/99 17	5211.11 3/1/00 18	5468.15 6/12/00 19	5658.15 8/24/00 20	5868.15 11/20/00 21	1309 2/21/01 22
cis-1,2-Dichloroethene	NLE	NA	NA	NA	1.19	ND	ND	1.80	3.66	1.83	ND	ND	2.28	1.67	ND	2.74	1.96	1.60	1.27	ND	1.19	ND	ND
Methylene chloride	2.49	**3.52 B**	**3.08B**	**3.47**	**3.41**	ND	ND	1.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-Butyl ether	NLE	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.34	ND	ND	ND	ND
Tetrachloroethene (PCE)	4.29	2.76	**7.53**	2.98	**4.76**	**5.32**	2.42	2.28	3.54	1.70	**6.34**	**4.48**	3.39	2.17	**5.45**	**6.04**	1.82	3.82	**6.62**	**4.38**	3.44	**3.58**	ND
Trichloroethene (TCE)	1.09	0.81	**1.86**	0.71	1.04	ND	ND	ND	ND	ND	ND	ND	**1.27**	ND	ND	**1.74**	ND	ND	**1.36**	ND	ND	ND	ND

Stream Sampling Location SS-15
October 1996 to February 2001

Lab Sample ID **Sample Date** **Round**	NJDEP SWQS (ug/L)	2178.15 10/8/96 1	2223.09 11/25/96 2	2246.09 12/12/96 3	2298.09 1/29/97 4	2361.09 2/26/97 5	2375.09 3/10/97 6	2439.09 4/8/97 7	2810.09 7/17/97 8	3121.09 10/30/97 9	3331.09 2/10/98 10	3499.09 4/21/98 11	3816.09 8/19/98 12	4069.08 11/18/98 13	4300.09 2/25/99 14	4579.11 6/29/99 15	4802.11 9/21/99 16	4997.17 12/8/99 17	5211.17 3/1/00 18	5468.12 6/12/00 19	5658.12 8/24/00 20	5868.12 11/20/00 21	962 2/21/01 22
Acetone	NLE	NA	NA	NA	4.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	NLE	NA	NA	NA	1.57	1.46	ND	2.69	5.53	2.57	ND	1.22	3.89	ND	ND	4.17	3.59	ND	1.39	ND	2.02	ND	ND
Methylene chloride	2.49	**3.85 B**	**2.98 B**	**5.51**	**2.68**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-Butyl ether	NLE	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.38	ND	ND	ND	ND
Tetrachloroethene (PCE)	4.29	**8.41**	**10.38**	**5.63**	**5.68**	**7.84**	3.39	**6.00**	**7.12**	2.72	**6.90**	**5.72**	**5.39**	ND	**7.33**	**7.86**	2.61	4.08	**6.95**	**5.94**	**25.32**	**6.29**	**7.19**
Trichloroethene (TCE)	1.09	**2.58**	**2.54**	**1.31**	**1.33**	ND	ND	**1.60**	**2.50**	ND	1.03	**1.21**	**2.06**	ND	ND	**2.40**	**1.37**	ND	**1.39**	ND	**1.58**	ND	ND

Stream Sampling Location SS-16
November 1996 to February 2001

Lab Sample ID **Sample Date** **Round**	NJDEP SWQS (ug/L)	2223.10 11/25/96 2	2246.10 12/12/96 3	2298.10 1/29/97 4	2361.10 2/26/97 5	2375.10 3/10/97 6	2439.10 4/8/97 7	2810.10 7/17/97 8	3121.10 10/30/97 9	3331.10 2/10/98 10	3499.10 4/21/98 11	3816.10 8/19/98 12	4069.06 11/18/98 13	4300.10 2/25/99 14	4579.12 6/29/99 15	4806.03 9/22/99 16	4997.12 12/8/99 17	5211.13 3/1/00 18	5468.14 6/12/00 19	5658.14 8/24/00 20	5868.11 11/20/00 21	963 2/21/01 22
cis-1,2-Dichloroethene	NLE	NA	NA	1.30	1.27	ND	2.05	2.55	1.76	ND	ND	2.94	ND	ND	3.56	2.74	1.79	1.28	ND	1.68	ND	ND
Methylene chloride	2.49	**3.16 B**	**4.65**	**3.01**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-Butyl ether	NLE	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.33	ND	ND	ND	ND
Tetrachloroethene (PCE)	4.29	**8.20**	3.82	**5.19**	**6.75**	2.31	**4.47**	**4.72**	1.86	**6.23**	**4.58**	**4.33**	1.48	**6.06**	**7.70**	2.63	4.13	**6.47**	**3.74**	**4.47**	**4.49**	**6.25**
Trichloroethene (TCE)	1.09	**2.24**	1.00	**1.14**	**1.20**	ND	**1.26**	ND	ND	ND	ND	**1.63**	ND	ND	**2.25**	ND	ND	**1.27**	ND	**1.28**	ND	ND

B = Compound found in relative blank
E = Value above linear tange
D = Value from dilutior
NA = sample not analyzed for this paramete

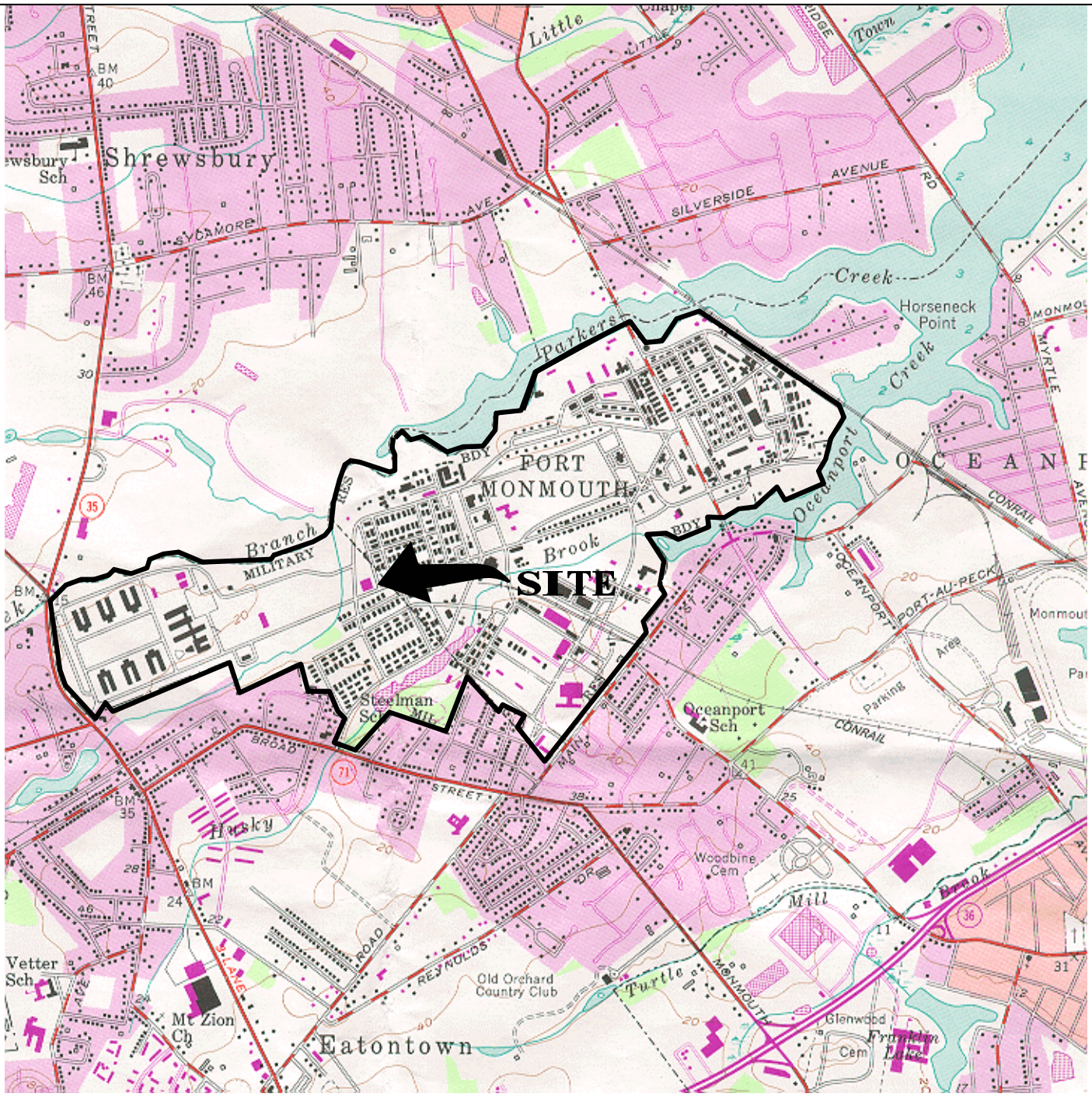
NLE = No Limit Established
R.T. = Retention Time
ND = not detected

Table 5-3
Determination of Contaminants of Concern in Groundwater
M-4 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 Specific Maximum Background Exceedences	Comments
Volatiles						
Acetone	**700**	**N/A**	16.68	0	N/A	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
2-Butanone	**300**	**N/A**	6.32	0	N/A	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Semi-Volatiles						
Napthalene	**1000**	**N/A**	0.34	0	N/A	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
bis(2-ethylhexyl)phthalate	**30**	**N/A**	15.08	0	N/A	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Di-n-octylphthalate	**100**	**N/A**	1.2	0	N/A	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Di-n-butylphthalate	**900**	**N/A**	60.77	0	N/A	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Pesticide/PCB						
4,4'-DDT	**0.10**	**N/A**	0.0015	0	N/A	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Metals						
Aluminum	**200**	**121000**	3520	23	0	Not a Contaminant of Concern: No Exceedances of MBC.
Antimony	**20**	**20.7**	7.05	0	N/A	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Arsenic	**8**	**89.3**	3	0	N/A	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Barium	**2000**	**699**	990	0	1	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Beryllium	**20**	**N/A**	2.3	0	N/A	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Cadmium	**4**	**N/A**	2.59	0	N/A	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Calcium	**NLE**	**45400**	77600	0	6	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Chromium	**100**	**N/A**	22.3	0	N/A	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Cobalt	**NLE**	**18.3**	5.87	N/A	0	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Copper	**1000**	**65.6**	431	0	3	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Iron	**300**	**431000**	393000	56	0	Not a Contaminant of Concern: Considered background metal
Lead	**10**	**N/A**	57.8	5	N/A	Not a Contaminant of Concern. Detected at monitoring wells MW 10, MW 9, MW 8 & most recently MW7 on 5/1/00. Not detected during Low Flow Sampling rounds.
Magnesium	**NLE**	**62700**	8070	N/A	0	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Manganese	**50**	**331**	402	44	4	Not a Contaminant of Concern: Considered background metal
Mercury	**2**	**N/A**	0.34	0	N/A	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Nickel	**100**	**187**	931	1	1	Not a Contaminant of Concern. Only one exceedance of MBC.
Potassium	**NLE**	**137000**	10910	N/A	0	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Selenium	**50**	**N/A**	6.19	0	N/A	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Silver	**20**	**N/A**	21	1	N/A	Not a Contaminant of Concern. Only one isolated exceedance of NJDEP criteria.
Sodium	**50000**	**21500**	58340	2	13	Sodium is not a contaminant of concern due to proximity of the site to seawter.
Thallium	**10**	**5.5**	ND	0	0	Not a Contaminant of Concern. No Detections.
Vanadium	**NLE**	**N/A**	300	N/A	N/A	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.
Zinc	**5000**	**233**	513	0	3	Not a Contaminant of Concern. Does not exceed NJDEP Criteria.

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.
[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

QUADRANGLE LOCATION

Mapped, edited and published by the Geological Survey

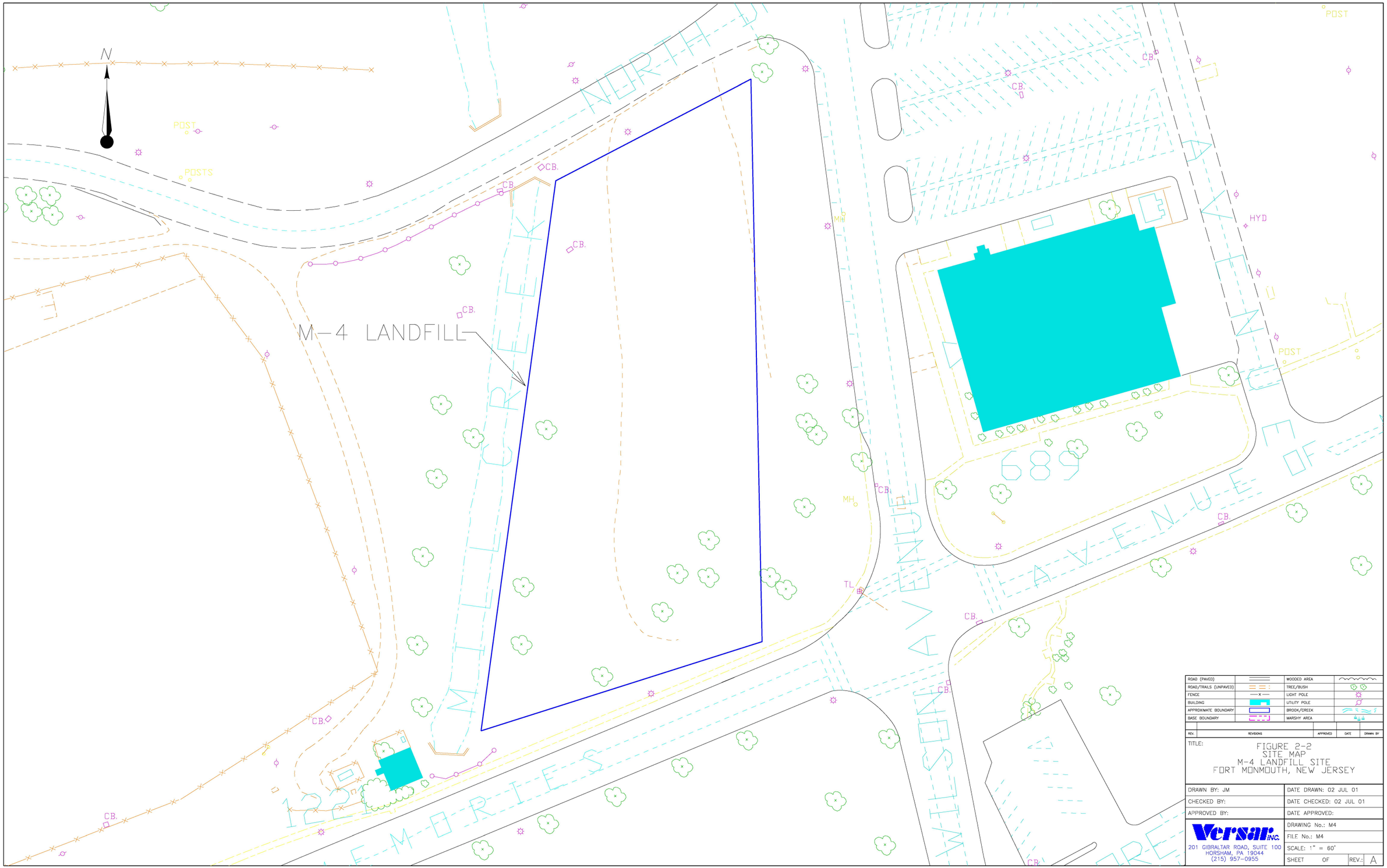
FIGURE 2-1

Site Location Map
M-4 Landfill Site
Fort Monmouth, New Jersey

Versar INC.

Scale: 1" = 2000'

Date: June 2001



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

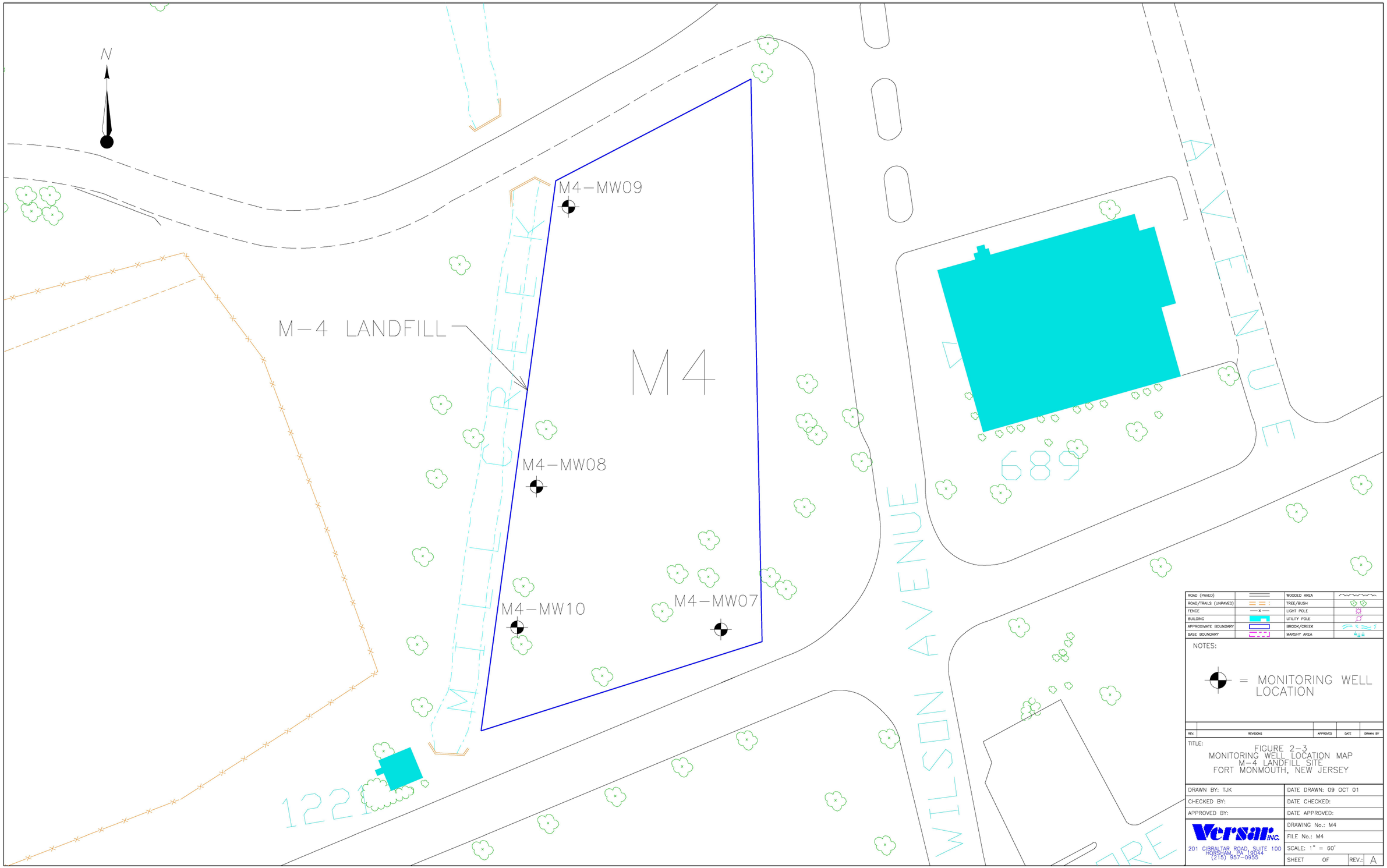
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 2-2
SITE MAP
M-4 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.: M4
	FILE No.: M4
	SCALE: 1" = 60'
	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-4 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJK	DATE DRAWN: 09 OCT 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
Versar INC.	DRAWING No.: M4
	FILE No.: M4
	SCALE: 1" = 60'
	SHEET OF REV.: A

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

Geologic Map of New Jersey

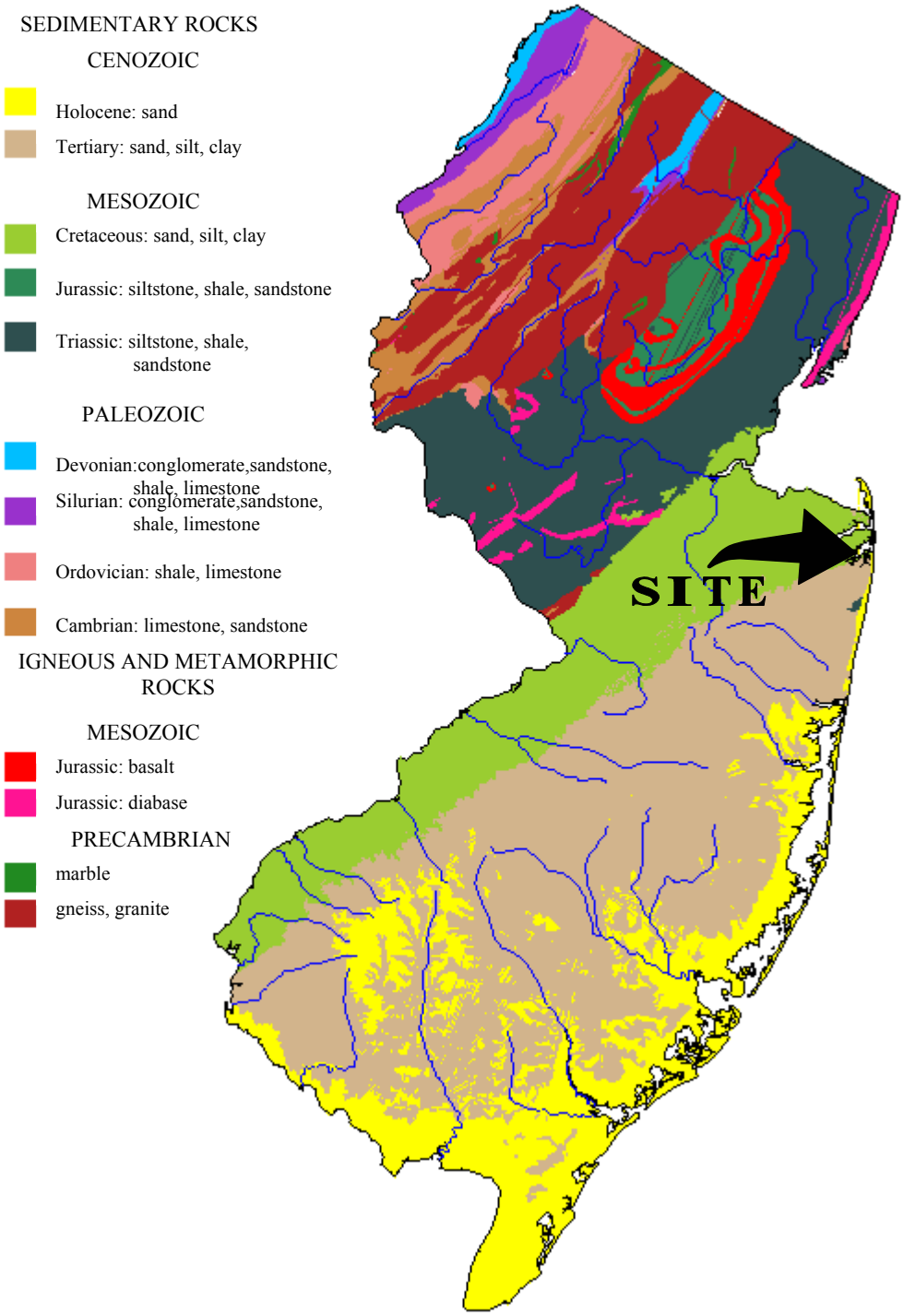
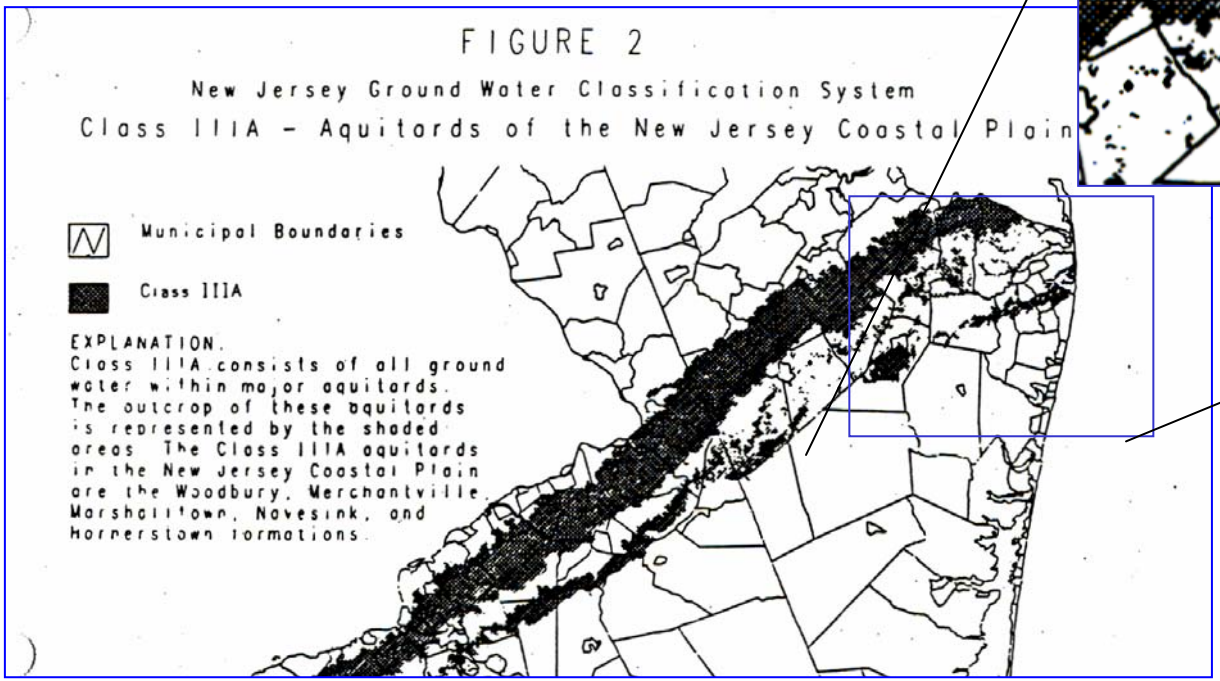


Figure 2-4
Geological Map of New Jersey
M-4 Landfill Site
Fort Monmouth, New Jersey

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

Versar INC.



M-4 Landfill Site

FIGURE 2-5

New Jersey Groundwater Classification
Class IIIA
M-4 Landfill Site
Fort Monmouth, New Jersey

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

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

Fort Monmouth

B

FEET

Sayreville W.D.
Obs. 101

Marlboro State Hospital 15

J–J′

U.S. Dept. of Energy
TC-40

B′

Monmouth Consolidated W.C.
West End 1

FEET

200

G
23-348

G
25-262

G
25-495

E
25-210

SEA LEVEL

MARSHALLTOWN-WENONAH CONFINING BED

WENONAH-MOUNT LAUREL AQUIFER

VINCENTOWN AQUIFER

CONFINING BED

ENGLISHTOWN AQUIFER SYSTEM

(OLD BRIDGE AQUIFER)

MERCHANTVILLE-WOODBURY CONFINING BED

CONFINING BED

(FARRINGTON AQUIFER)

POTOMAC-RARITAN-MAGOTHY AQUIFER SYSTEM

UPPER AQUIFER

CONFINING BED

MIDDLE AQUIFER

BEDROCK

?

-200

-400

-600

-800

-1000

SCALE

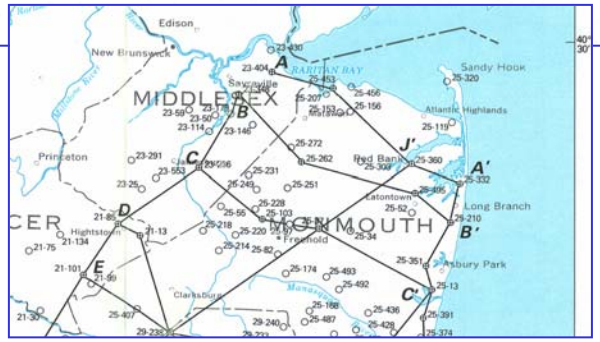
0 10 20 30 MILES

0 10 20 30 KILOMETERS

VERTICAL SCALE GREATLY EXAGGERATED

SECTION B–B′

Composite Confining Unit

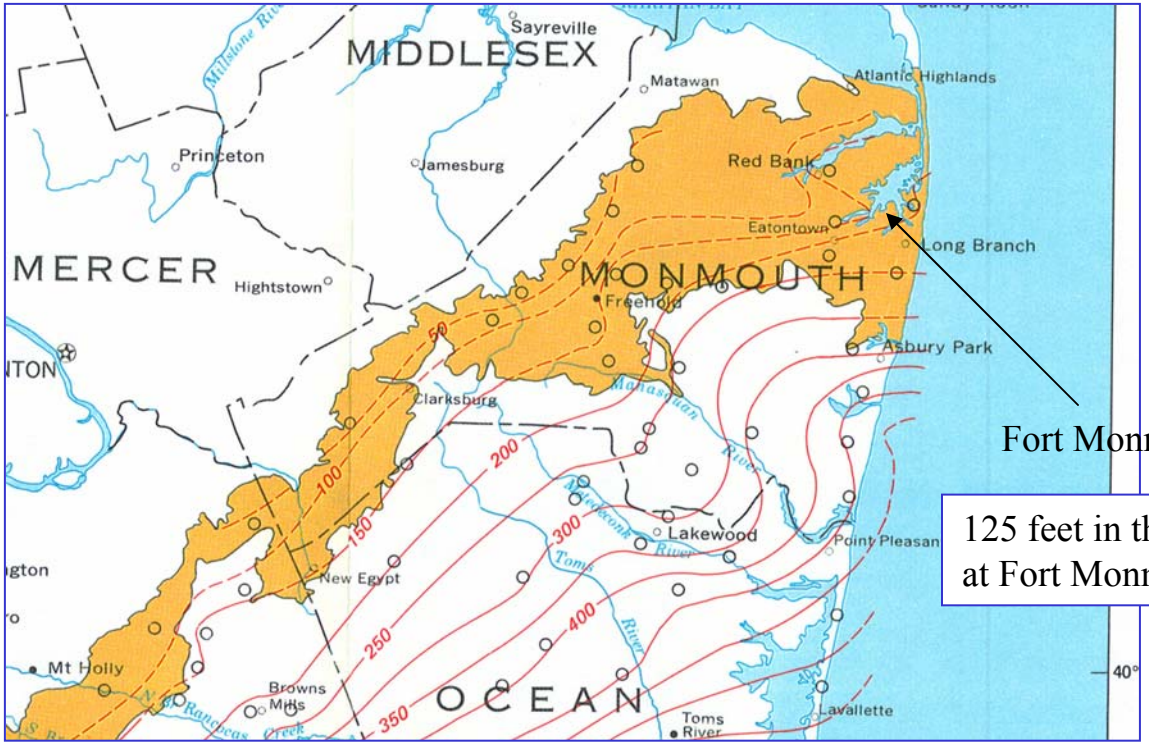


Source: Zapecza, O. 1989. *Hydrogeologic Framework of the New Jersey Coastal Plain.* USGS Professional Paper 1404-B. U.S. Government Printing Office, Washington, DC.

FIGURE 2-6

Geologic Cross-Section
M-4 Landfill Site
Fort Monmouth, New Jersey

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



Fort Monmouth

125 feet in thickness at Fort Monmouth

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-4 Landfill Site Fort Monmouth, New Jersey

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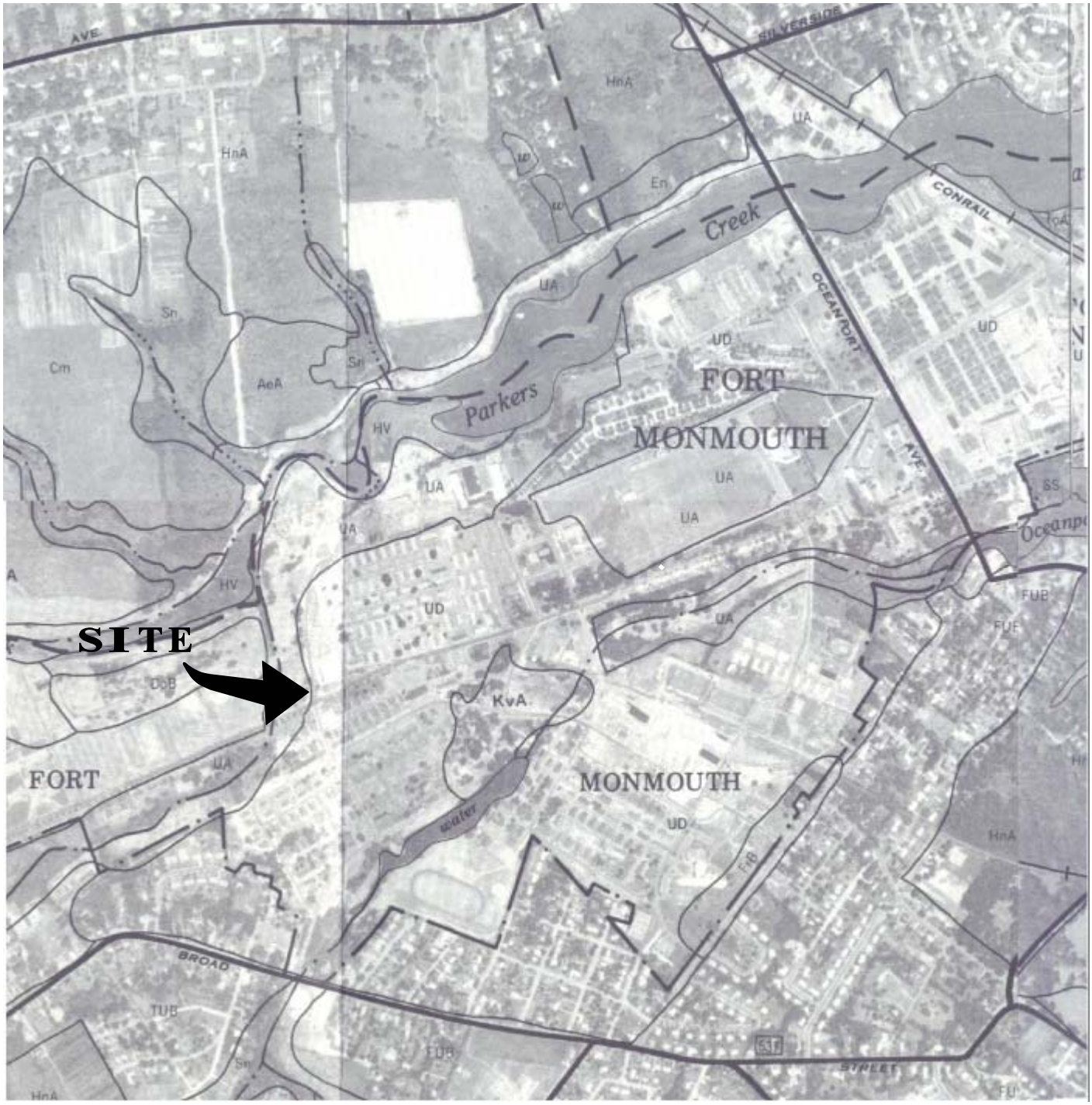
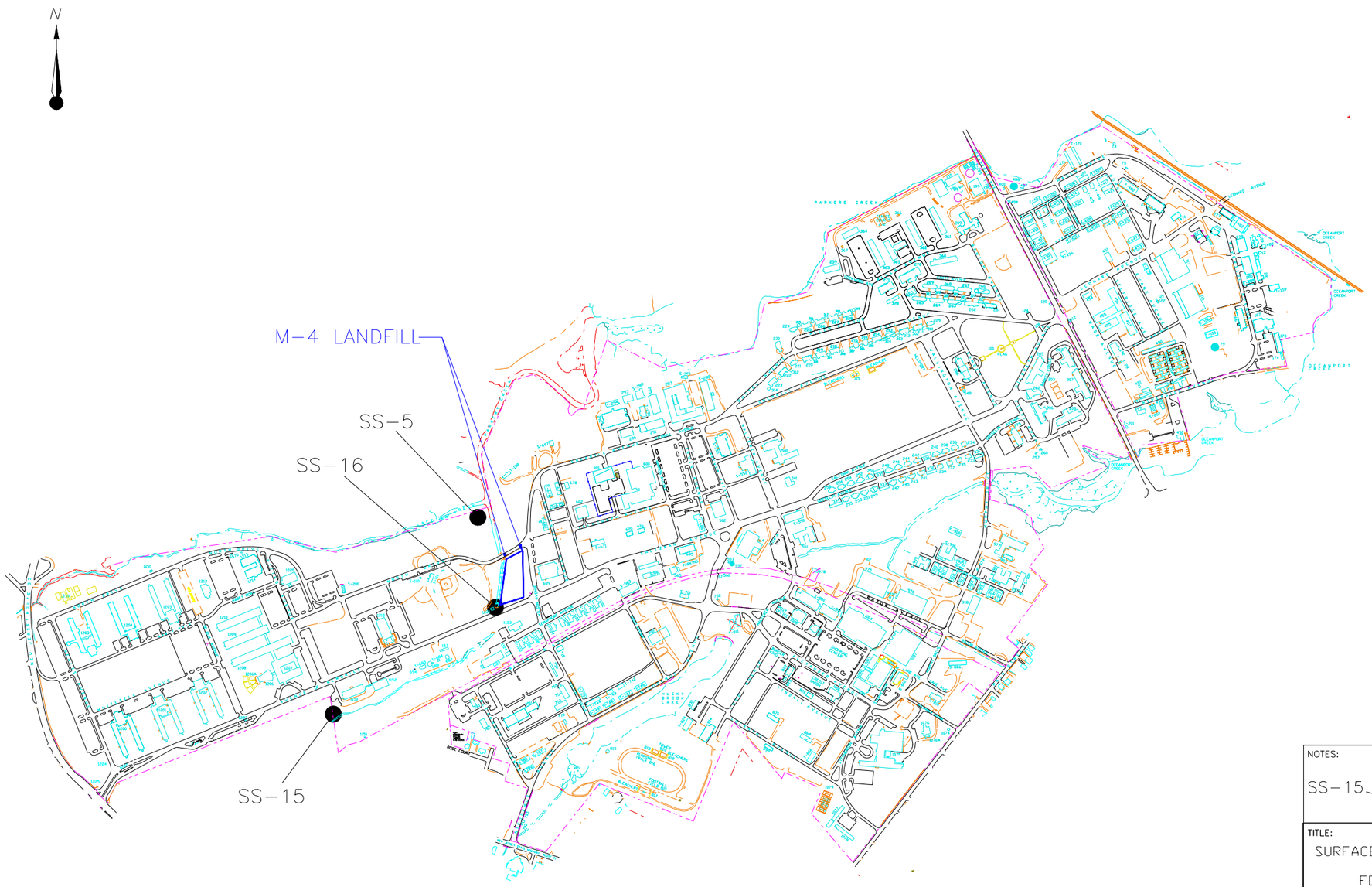
Horsham, PA 19044
(215) 957-0955



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

Figure 2-8
Soil Map of Monmouth County
M-4 Landfill Site
Fort Monmouth, New Jersey

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



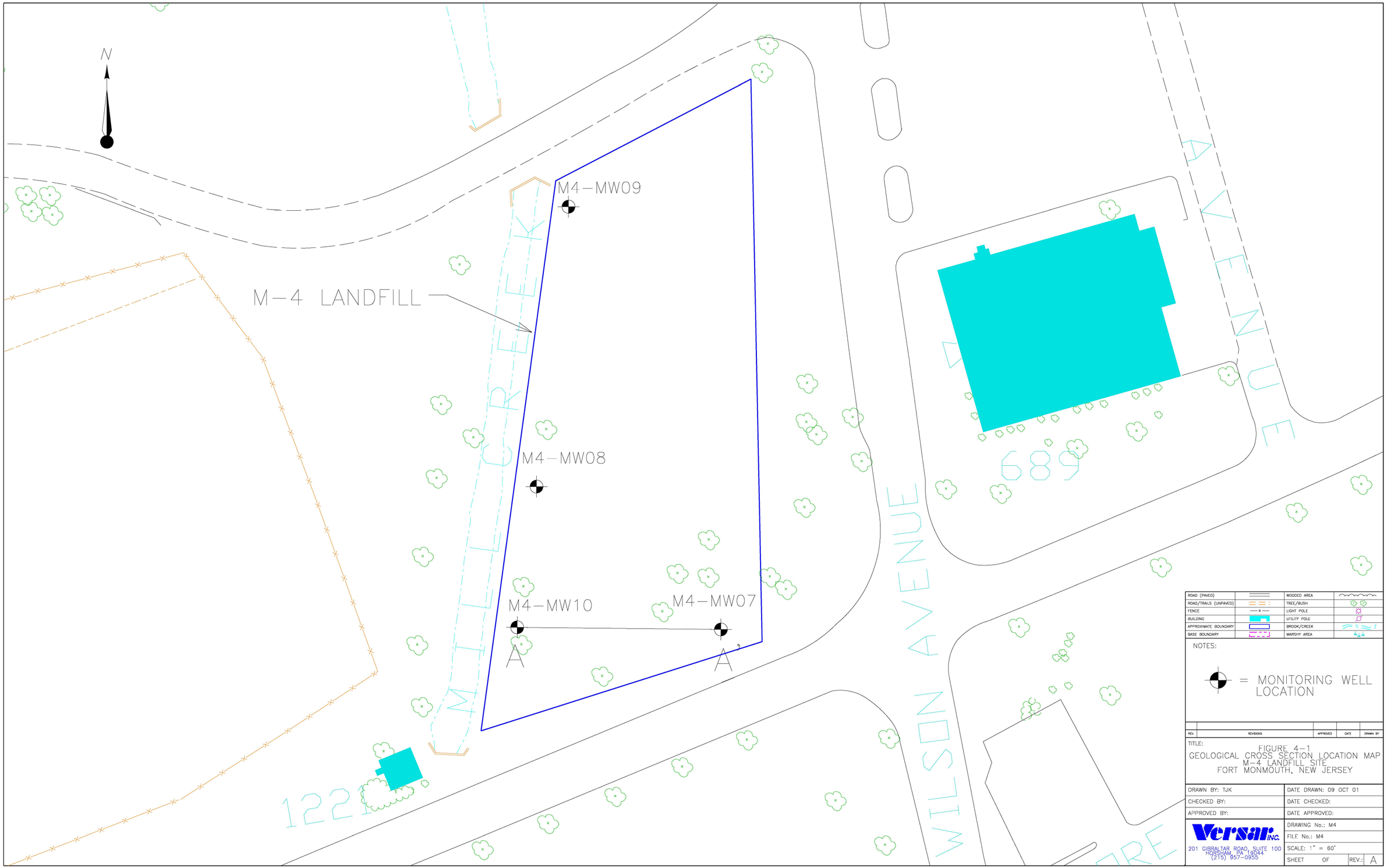
NOTES:

SS-15 ● SURFACE WATER SAMPLE LOCATION

TITLE:

FIGURE 3-1
SURFACE WATER SAMPLING LOCATION MAP
M-4 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JRA	DATE DRAWN: 13 NOVEMBER 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
Ver-Sal INC. 201 GIBRALTAR ROAD, SUITE 100 HORSHAM, PA 19044 (215) 957-0955	DRAWING No.: FIG. 3-1
	FILE No.: M-4 FIG. 3-1
	SCALE: 1" = 1000'
	SHEET OF REV.: A



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

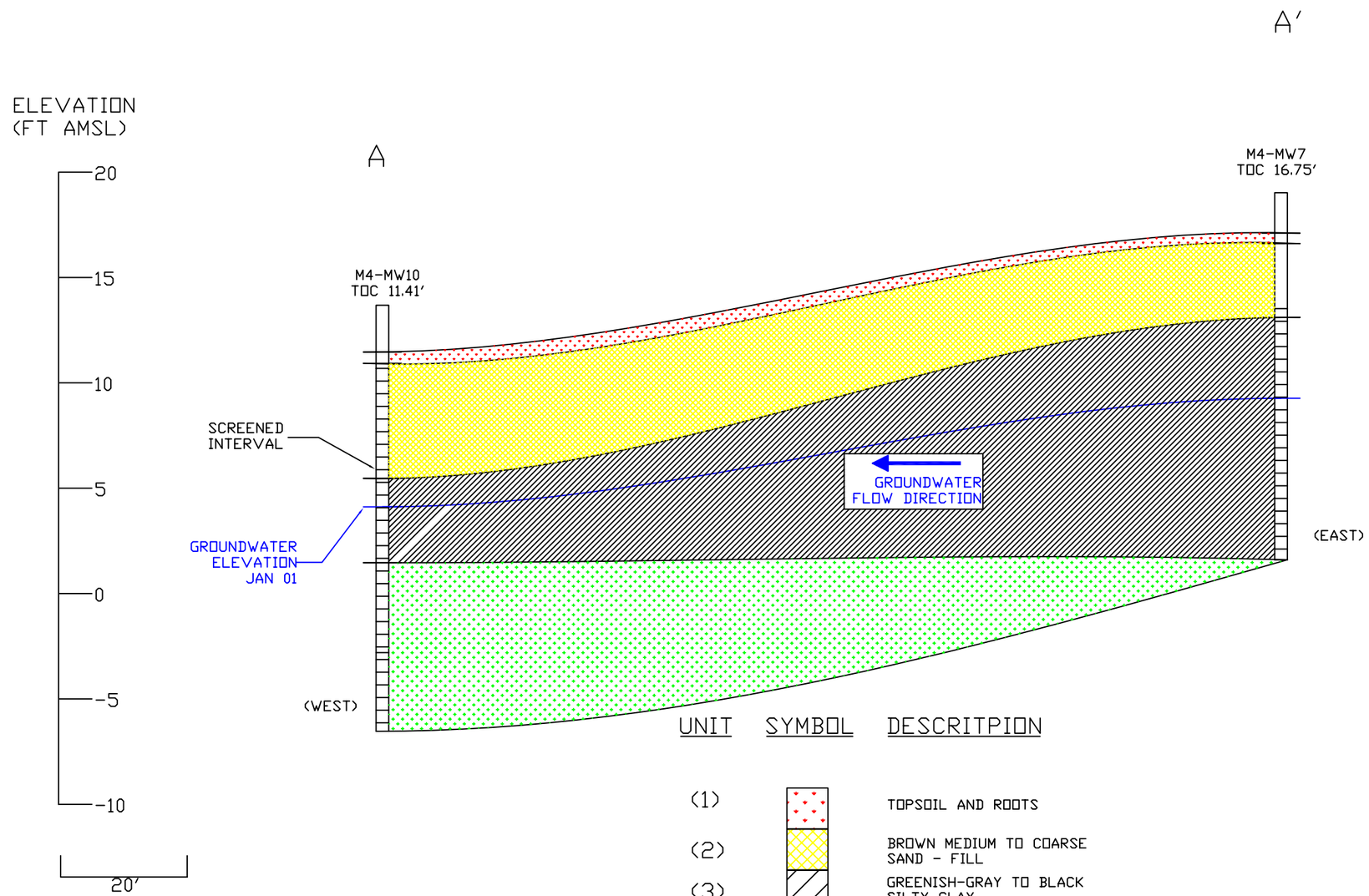
NOTES:

= MONITORING WELL LOCATION

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

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

DRAWN BY: TJK	DATE DRAWN: 09 OCT 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
Versar INC.	DRAWING No.: M4
201 GIBRALTAR ROAD SUITE 100 HORSHAM, PA 19044 (215) 957-0955	FILE No.: M4
	SCALE: 1" = 60'
	SHEET OF REV.: A



NOTES:

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

2) VERTICAL SCALE: 1" = 3'.
HORIZONTAL SCALE: 1" = 20'.
VERTICAL EXAGGERATION = 6.66.

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.

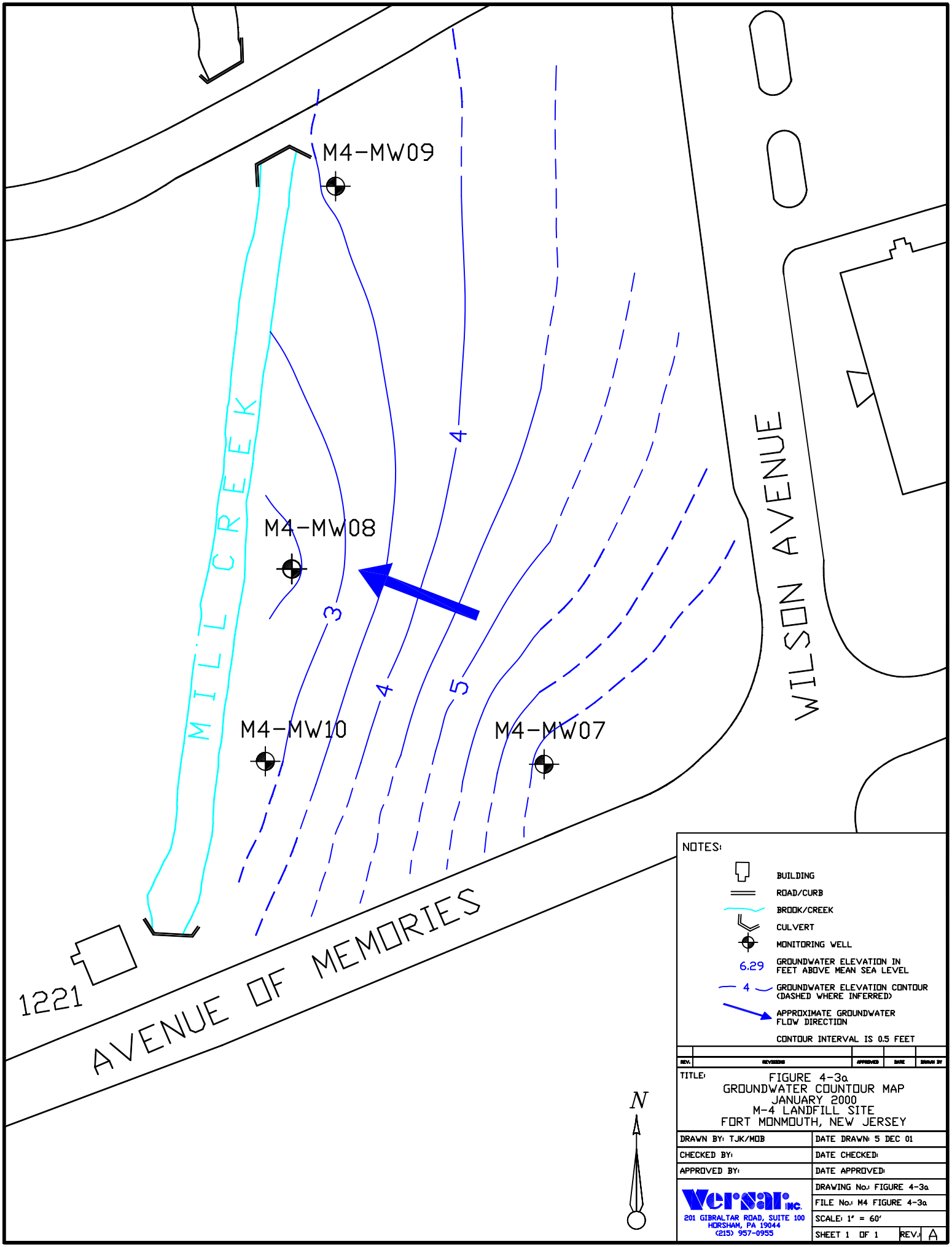
6) EACH OF THE WELLS HAS A DIAMETER OF 4 INCHES, WHICH IS ENLARGED ON THIS DRAWING FOR PRESENTATION.

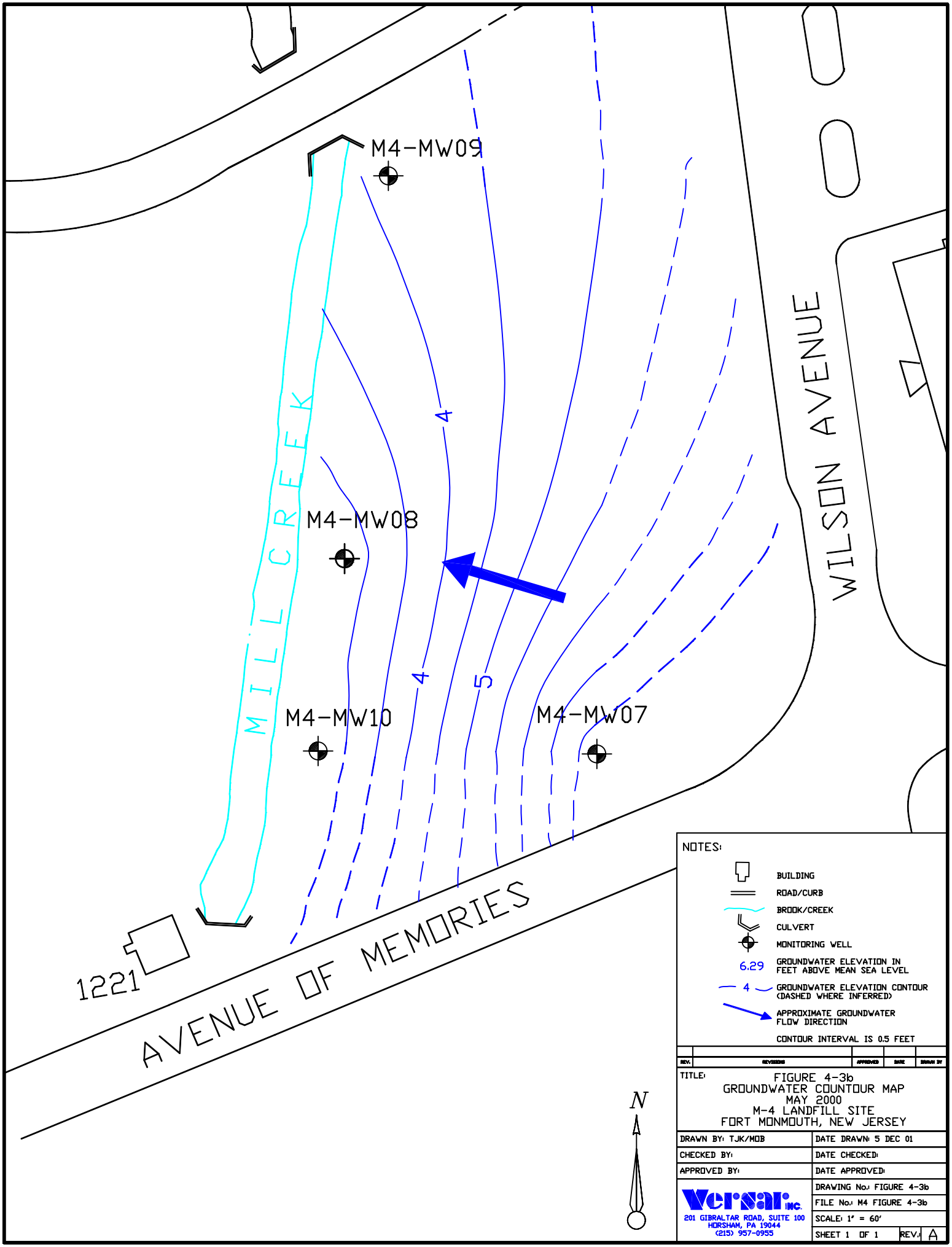
7) BOUNDARIES ARE DASHED WHERE INFERRED.

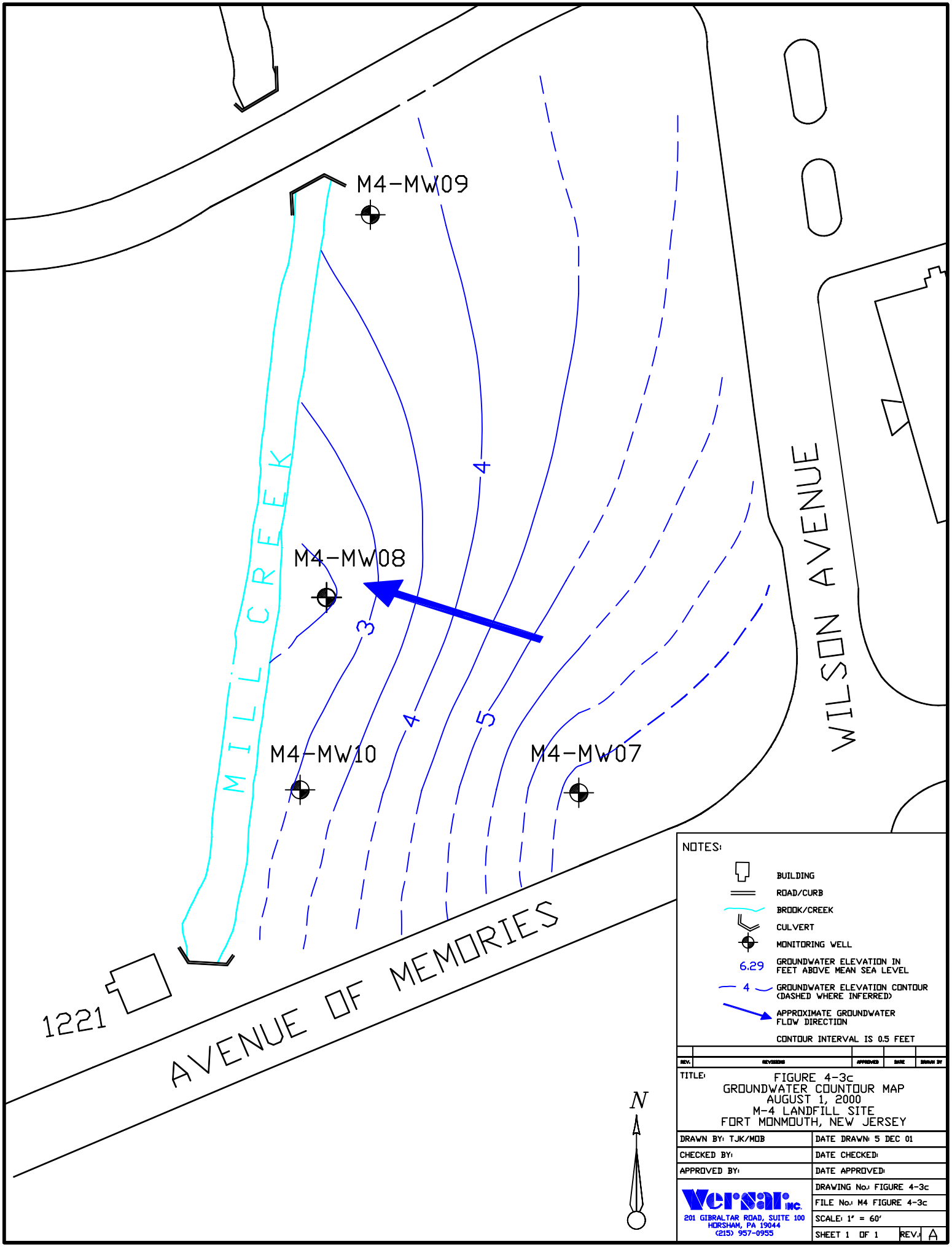
REV.	REVISIONS	APPROVED	DRAWN BY

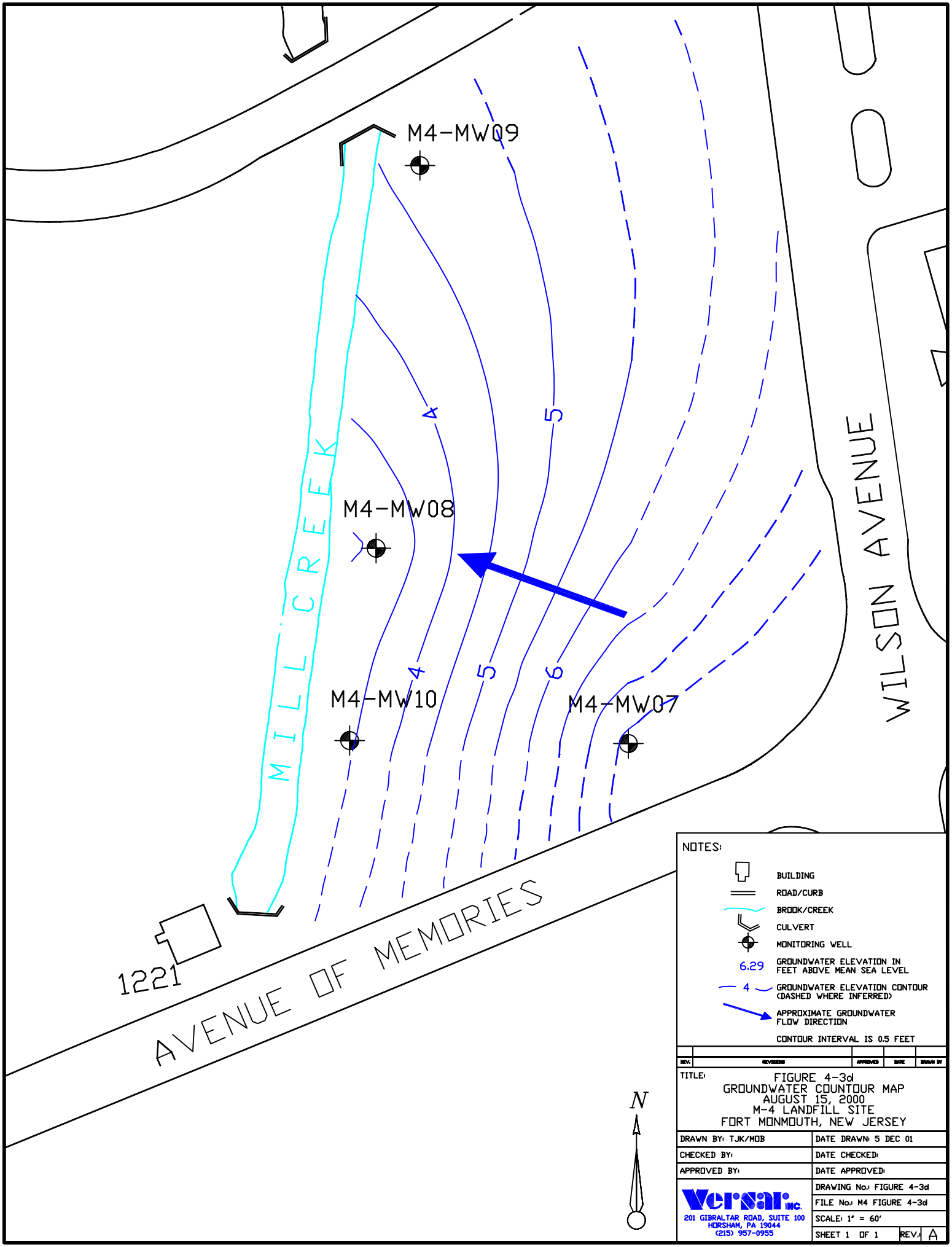
TITLE:
FIGURE 4-2
GEOLOGIC CROSS SECTION A TO A'
M-4 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY

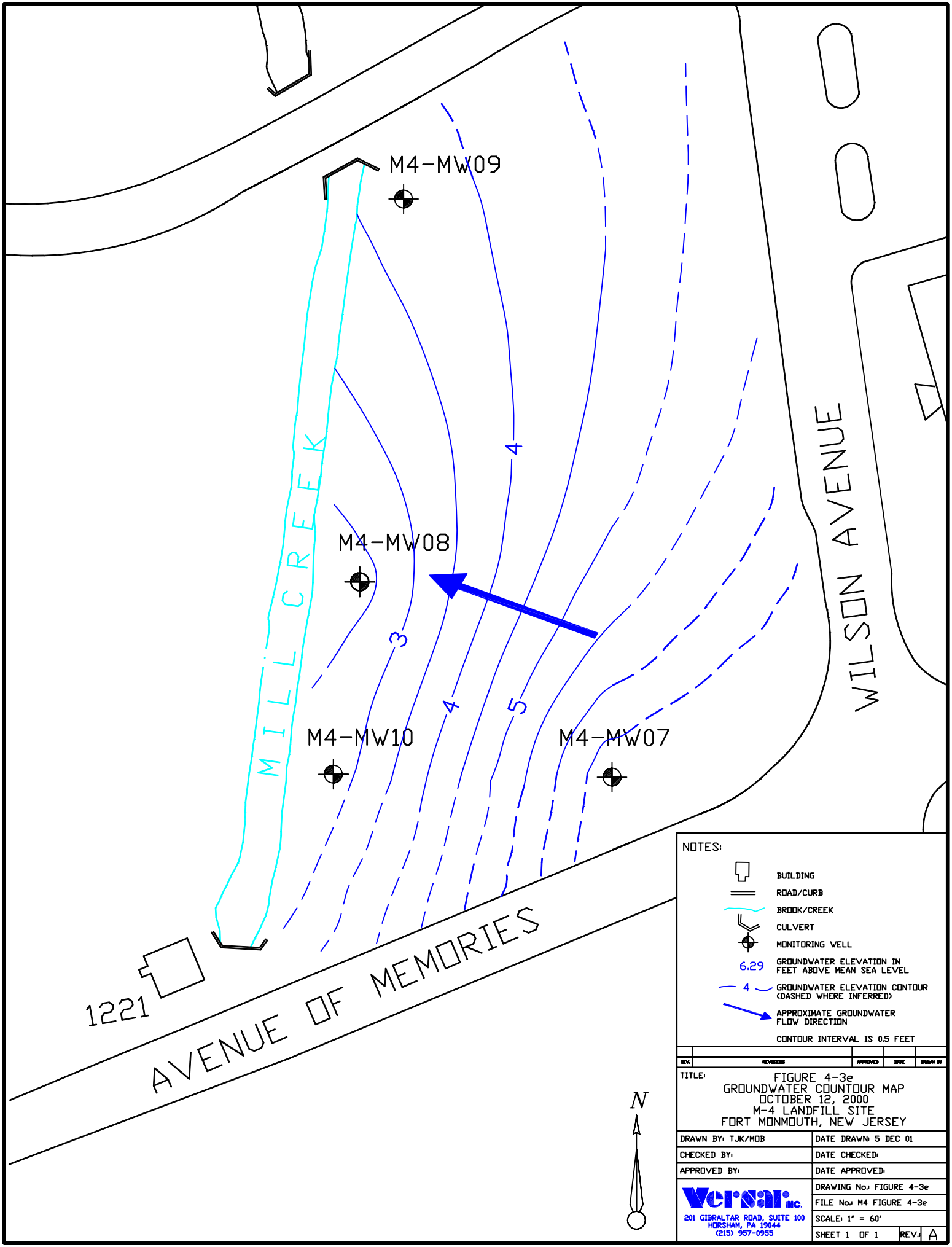
DRAWN BY: TJK/TJW	DATE DRAWN: 16 OCT 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
Versar INC. 201 GIBRALTAR ROAD, SUITE 100 HORSHAM, PA 19044 (215) 957-0955	DRAWING No.: FIGURE 4-2
	FILE No.: M4 Figure 4-2
	SCALE: 1" = 20' (VERT:1"=3')
	SHEET 1 OF 1 REV.: A

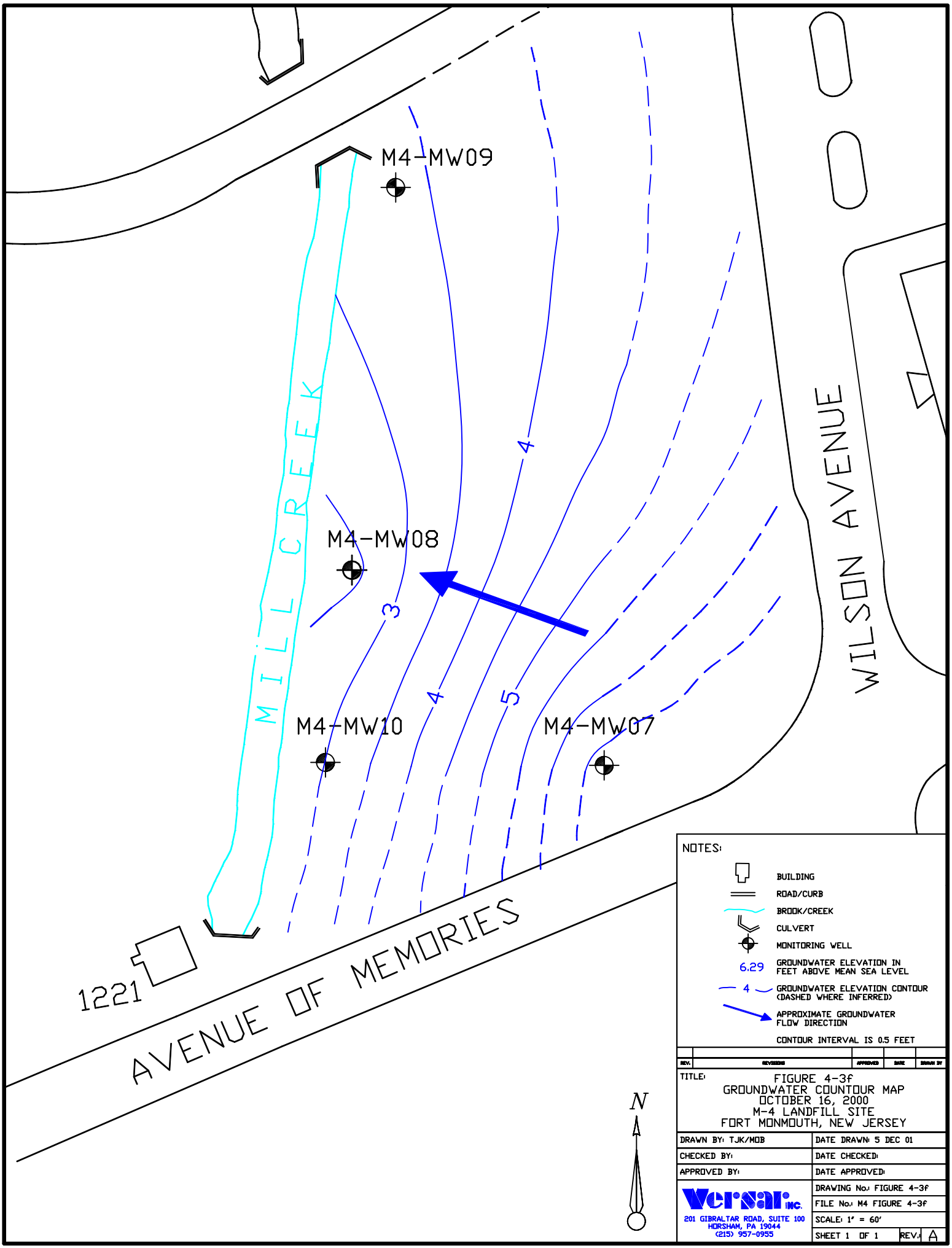

M4-MW09
M4-MW08
M4-MW10
M4-MW07
MILL CREEK
WILSON AVENUE
AVENUE OF MEMORIES
1221
3
4
4
5
N
NOTES:
BUILDING
ROAD/CURB
BROOK/CREEK
CULVERT
MONITORING WELL
6.29
GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
4
GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
APPROXIMATE GROUNDWATER FLOW DIRECTION
CONTOUR INTERVAL IS 0.5 FEET
REV.
REVISIONS
APPROVED
DATE
DRAWN BY
TITLE:
FIGURE 4-3a
GROUNDWATER COUNTOUR MAP
JANUARY 2000
M-4 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK/MOB
DATE DRAWN: 5 DEC 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955
DRAWING No.: FIGURE 4-3a
FILE No.: M4 FIGURE 4-3a
SCALE: 1" = 60'
SHEET 1 OF 1
REV.: A

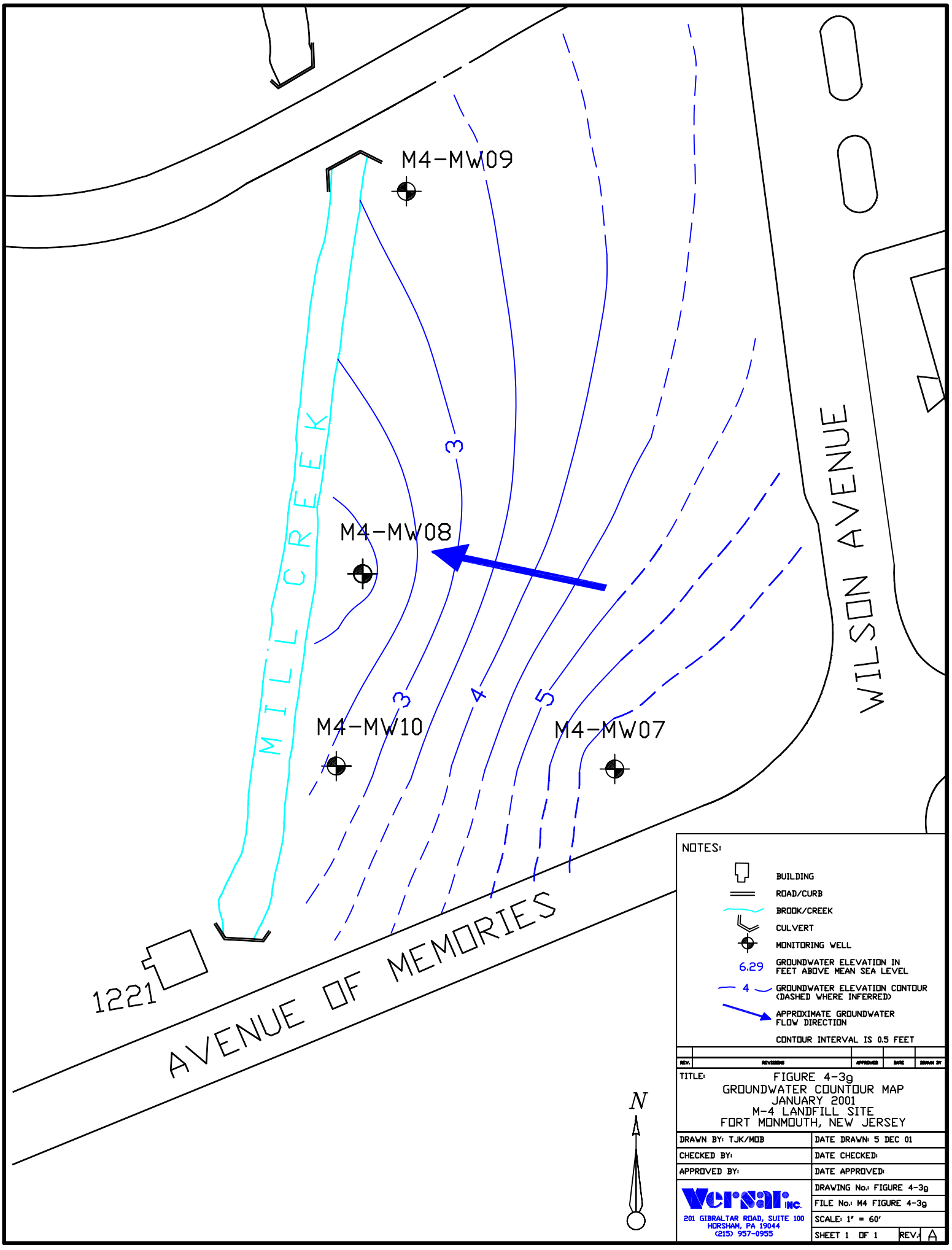

M4-MW09
M4-MW08
M4-MW10
M4-MW07
MILL CREEK
WILSON AVENUE
AVENUE OF MEMORIES
1221
4
4
5
N
NOTES:
BUILDING
ROAD/CURB
BROOK/CREEK
CULVERT
MONITORING WELL
6.29
GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
4
GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
APPROXIMATE GROUNDWATER FLOW DIRECTION
CONTOUR INTERVAL IS 0.5 FEET
REV.
REVISIONS
APPROVED
DATE
DRAWN BY
TITLE:
FIGURE 4-3b
GROUNDWATER COUNTOUR MAP
MAY 2000
M-4 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK/MOB
DATE DRAWN: 5 DEC 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955
DRAWING No.: FIGURE 4-3b
FILE No.: M4 FIGURE 4-3b
SCALE: 1" = 60'
SHEET 1 OF 1
REV.: A


M4-MW09
M4-MW08
M4-MW10
M4-MW07
MILL CREEK
WILSON AVENUE
AVENUE OF MEMORIES
1221
3
4
4
5
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
AUGUST 1, 2000
M-4 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK/MOB
DATE DRAWN: 5 DEC 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955
DRAWING No.: FIGURE 4-3c
FILE No.: M4 FIGURE 4-3c
SCALE: 1" = 60'
SHEET 1 OF 1
REV.: A


M4-MW09
M4-MW08
M4-MW10
M4-MW07
MILL CREEK
WILSON AVENUE
AVENUE OF MEMORIES
1221
4
5
4
5
6
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
AUGUST 15, 2000
M-4 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK/MOB
DATE DRAWN: 5 DEC 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955
DRAWING No.: FIGURE 4-3d
FILE No.: M4 FIGURE 4-3d
SCALE: 1" = 60'
SHEET 1 OF 1
REV.: A


M4-MW09
M4-MW08
M4-MW10
M4-MW07
MILL CREEK
WILSON AVENUE
AVENUE OF MEMORIES
1221
3
4
4
5
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
OCTOBER 12, 2000
M-4 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK/MOB
DATE DRAWN: 5 DEC 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955
DRAWING No.: FIGURE 4-3e
FILE No.: M4 FIGURE 4-3e
SCALE: 1" = 60'
SHEET 1 OF 1
REV.: A


M4-MW09
M4-MW08
M4-MW10
M4-MW07
MILL CREEK
WILSON AVENUE
AVENUE OF MEMORIES
1221
3
4
4
5
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 4-3f
GROUNDWATER COUNTOUR MAP
OCTOBER 16, 2000
M-4 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK/MOB
DATE DRAWN: 5 DEC 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955
DRAWING No.: FIGURE 4-3f
FILE No.: M4 FIGURE 4-3f
SCALE: 1" = 60'
SHEET 1 OF 1
REV.: A


M4-MW09
M4-MW08
M4-MW10
M4-MW07
MILL CREEK
3
3
4
5
WILSON AVENUE
AVENUE OF MEMORIES
1221
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 4-3g
GROUNDWATER COUNTOUR MAP
JANUARY 2001
M-4 LANDFILL SITE
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK/MOB
DATE DRAWN: 5 DEC 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955
DRAWING No.: FIGURE 4-3g
FILE No.: M4 FIGURE 4-3g
SCALE: 1" = 60'
SHEET 1 OF 1
REV.: A

APPENDICES

Appendix A

M-4 Site Investigation/Background Sampling, Roy F. Weston, 1995

4.2.4 Landfill 4 (M-4)

4.2.4.1 Site Location

Landfill 4 (M-4) is located in the area bounded by the Avenue of Memories to the south, North Drive to the north, Mill Creek to the west, and Wilson Avenue to the east (Figure 4.2-7). The approximate area of site M-4 is 61,800 ft^2 (1.4 acres).

4.2.4.2 Site History

Landfill 4 was used in 1956 for the disposal of building demolition debris. The 1940 aerial photograph shows a swamp at this location. In the latter part of 1955 and during 1956, 72 World War II buildings were demolished on Main Post (*Concise History; History and Place Names*). Potential contaminants associated with demolition debris include lead from paints and piping and asbestos. At present, the surface is flat and grass covered. There are trees in the southeast corner.

As part of an NJPDES permit, surface-water samples have been taken upstream and downstream of this site on Mill Creek. The results are discussed in Subsection 4.2.2 (site M-2) and 4.2.5 (site M-5).

4.2.4.3 Sampling Effort

Three shallow monitor wells (MW-7 through MW-9) were installed around the landfill, and two rounds of groundwater sampling were conducted to evaluate groundwater quality. Monitor well MW-7 is an upgradient well and monitor wells MW-8 and MW-9 are downgradient wells. The monitor wells were sampled twice for TCL +30 parameters, TAL metals, and cyanide.

4.2.4.4 Hydrogeologic Interpretation

Lithologic logs from MW-8 and MW-9 indicate that the lithology consists of a thin soil cover (0.4 ft) underlain by alternating layers of reworked sand, silt, and broken concrete gravel pieces,

with interbeds of plant-root fragments. Borehole logs from MW-7 indicate a lithology consisting of an orange-olive-brown fine-coarse sand with little silt.

Groundwater saturation was observed at approximately 7 ft bgs at each well location. The three monitor wells were screened across the unconfined water table, at total depths of 16, 18, and 22 ft bgs in MW-7, MW-8, and MW-9, respectively. Water elevation data, measured on 6 March 1995, indicate that local groundwater flow is west toward Mill Creek (Figure 4.2-10). Based on groundwater elevation measurements, monitor wells MW-8 and MW-9 are downgradient of the M-4 area.

4.2.4.5 Groundwater Sampling Results

Monitor wells at site M-4 were sampled for the analytical parameters listed in Table 3.8-1. The analytical results for groundwater samples from the individual sampling rounds are listed in Appendix D. Table 4.2-7 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 background and/or Monmouth County background concentrations, where appropriate. Figure 4.2-11 presents the locations and average concentrations of compounds detected above the NJDEP GWQC and the established maximum background concentrations at the Main Post.

VOCs

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

SVOCs

SVOCs were not detected above laboratory quantitation limits in the site monitor wells from either sampling round. The levels of compounds that could be estimated (below the laboratory quantitation limit) were well below the NJDEP GWQC.

Table 4.2-7
Fort Monmouth - Main Post
Summary of Average Concentrations of Detected Compounds in Groundwater - Site M-4

COMPOUND	METHOD DETECTION LIMIT (µg/L)	NJDEP GROUNDWATER QUALITY CRITERIA (µg/L)	MAXIMUM BACKGROUND CONCENTRATION (µg/L)	ANALYTICAL RESULTS (µg/L) SAMPLING DATE		
				MW7 2/16/95, 3/9/95 (avg.)	MW8 2/16/95, 3/8/95 (avg.)	MW9 2/16/95, 3/9/95 (avg.)
SVOC's (µg/L)						
bis-(2-Ethylhexyl)phthalate	9.7	30*	5 J	ND	4J	ND
Pesticides/PCBs (µg/L)						
4,4'-DDT	0.1**	0.1	ND	**0.185**	ND	ND
METALS TOTAL (µg/L)						
Aluminum	24.0	200	121000	**6550**	**1605**	129.1
Arsenic	1.9	8*	89.3	5.1	1.525	ND
Barium	1.7	2000	699	80.95	39.9	57.9
Beryllium	0.9	20*	7[1]	0.84	ND	ND
Calcium	10.4	NLE	45400	18800	33100	46500
Cobalt	3.0	NLE	18.3	4.7	3.3	ND
Chromium	2.9	100	191	62.55	17.25	4.175
Copper	1.9	1000	730[1]	5.75	2.5	ND
Iron	6.4	300	431000	**18435**	**17900**	**21700**
Potassium	685	NLE	137000	5020	7585	8925
Magnesium	18.3	NLE	62700	8400	6145	6245
Manganese	1.8	50	480[1]	**61.9**	**110.5**	**85**
Sodium	30.5	50000	197000[1]	**50950**	9500	10280
Nickel	10.8	100	187	7.9	ND	ND
Lead	1.6	10*	22.7	9	7.05	ND
Vanadium	2.3	NLE	108	34.95	6.95	ND
Zinc	3.8	5000	233	49.65	31.75	2.43

Compounds exceeding NJDEP groundwater quality criteria are noted by bold numbers.
NJDEP groundwater quality criteria consist of the higher number between the PQL or STANDARD
*PQL -Practical Quantitation Limit was used as the NJDEP groundwater quality criteria
NLE - No Level Established
ND - Indicates that the compound was not detected at the noted quantification limit
J - Indicates that the concentration value was estimated due to detection at or near the quantification limits
** - Method detection limit equals or exceeds NJDEP groundwater quality criteria.
[1] - Monmouth County maximum background concentration.

Pesticides/PCBs

One pesticide (4-4'-DDT) was detected in a concentration slightly exceeding the NJDEP GWQC in the upgradient well MW-7 from the February sampling round only (Table 4.2-7). This concentration was confirmed in a duplicate sample collected in MW-7 during the same sampling round. However, pesticides were not detected in a downstream surface-water location (SS-5) collected from a previous investigation (Figures 4.2-7 and 4.2-11). The results of that investigation are presented in WESTON, 1993. PCBs were not detected in the site monitor wells from either sampling round.

Metals

As indicated in Table 4.2-7, of the 17 metals detected in site groundwater, 4 metals (aluminum, iron, manganese, and sodium) were found in concentrations exceeding the NJDEP GWQC. However, aluminum, iron, and manganese were found in concentrations below those determined for site-specific and Monmouth County maximum background levels. Although sodium in MW-7 was detected in a concentration greater than the level established as site-specific background, the concentration was well below the Monmouth County maximum background level.

Cyanide

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

4.2.4.6 Recommendations

One pesticide compound was detected at a concentration just above the NJDEP GWQC and background in the upgradient well in both the routine and duplicate samples. The pesticide was not detected in downgradient monitor wells, and also was not detected during previous sampling at downgradient location SS-5 (WESTON, 1993).

Although NJDEP groundwater criteria were exceeded for one pesticide, no immediate remedial action is required. The measured value of the pesticide was just slightly above the GWQC. Shallow groundwater flows toward and discharges into Mill Creek, as indicated by water-level measurements in site monitor wells. Also, there are no known uses of groundwater at or downgradient of the site. No surface-water sampling was performed at this site during this project. The surface water was previously sampled downstream but was not analyzed for pesticides. Since Mill Creek flows on Fort Monmouth property between sites M-4 and M-8, access to this stream is restricted. Presumably, since no material is being added to the source (the landfill), natural degradation will decrease groundwater and surface-water contamination levels in the future.

Since the existing monitor well locations are adequately placed to monitor downgradient groundwater, DPW proposes that a long-term 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. Compounds of concern (including pesticides) identified in the first two rounds of sampling would be targeted for the groundwater and surface-water monitoring program.

Appendix B

Boring Logs and Monitoring Well Construction Records

BOREHOLE ID : MP4-MW7 *PROJECT NAME:* FT. MONMOUTH
BEGIN DATE : 12/14/94 *END DATE :* 12/14/94

LOGGER/COMPANY : P. THOMAS

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

TOTAL DEPTH : 16.00 *DEPTH TO BEDROCK :* 0.00

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

DRILLING COMPANY : J.C. ANDERSON
DRILLER : STEVE BURGER
DRILL RIG TYPE : CME-55

	ESTIMATED	*SURVEYED*
SURFACE ELEVATION :	0.000	14.830
N. COORDINATE :	0.0000	
E. COORDINATE :	0.0000	

WELL PERMIT.....(Y)es (N)o: N *PERMIT # :* NJ 029 32571

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 17' 55.3"
Longitude-West: 74 deg 04' 54.5"

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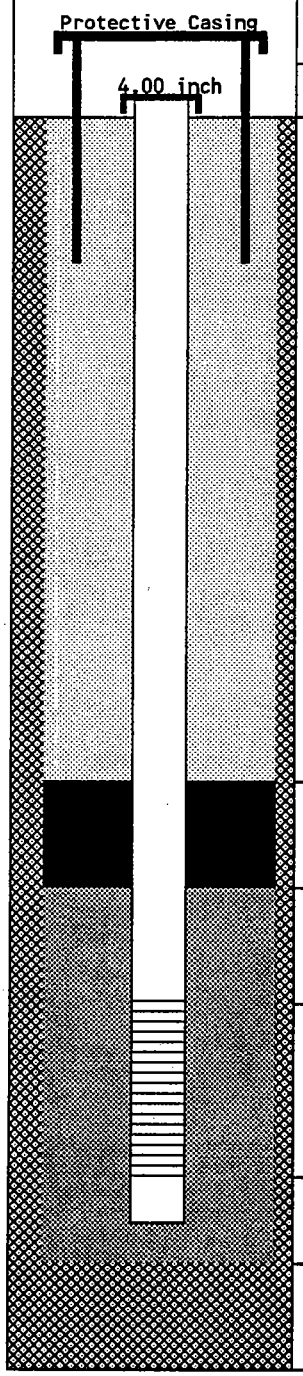
Well Completion Summary

Roy F. WESTON, Inc.

CLIENT	FT. MONMOUTH	*DRILLING FIRM*	J.C. ANDERSON
SITE NAME	MAIN POST AREA 4	*INSPECTOR*	P. THOMAS

WELL ID	MP4-MW7
START DATE	12/14/94
COMPLETION DATE	12/14/94

WATER LEVELS



DEPTH		ELEV.
1.92	TC	16.75
0.00	GS	14.83
1.51	BN	13.32
4.01	SP	10.82
6.01	SC	8.82
15.55	BS	-0.72
15.50	TD	-0.67

DRILLING SUMMARY

Driller	STEVE BURGER
Drilling Fluid	NONE
Well Type	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 *inch* *Interval:* 0.00 to 6.01 *ft.*
Type : PVC SCH 40

Stick Up Inner Casing: 1.92 *ft.* *Protective Casing:* 2.33 *ft.*

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

Seal Type: BENTONITE SLURRY *Interval:* 1.51 to 4.01 *ft.*

Sand Pack Type : NO. 1 *Interval:* 4.01 to 16.01 *ft.*
Grain Size : UNIFORM *Median Diameter:*
Screen Diameter: 4.00 *Interval:* 6.01 to 15.55 *ft.*
Type : PVC *Slots:* 0.010 *inches*

Silt Trap Interval: 15.55 to 16.01 *ft.*
Backfill Type : *Interval:* 0.00 to 0.00 *ft.*

WELL DEVELOPMENT

Date	12/22/94		
Method	Surge block/overpumping		
Yield	~4 gpm	*Purged Volume*	400 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

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Borehole Log

Roy F. WESTON, Inc.

PROJECT	: FT. MONMOUTH	TOTAL DEPTH	: 16.00
SITE NAME	: MAIN POST AREA 4	LOGGER	: P. THOMAS
BORING ID	: MP4-MW7	DRILLING COMPANY	: J.C. ANDERSON
NORTHING	: 0.0000 estimated	DRILLING RIG	: CME-55
EASTING	: 0.0000 estimated	DATE STARTED	: 12/14/94
ELEVATION	: 14.830 surveyed	DATE COMPLETED	: 12/14/94

ELEVATION	DEPTH	MATERIAL	% RECOVERY	CLASSIFICATION	COLOR	STRENGTH	MOISTURE	BLOW COUNT	FIELD INSTRUMENT READING	COMMENTS
			55	Sandy silt, ML	DK BROWN	SFT	MST	4 4 7 5	HNU 0.0	Topsoil.
				Poorly graded sand with silt, SP-SM	BROWN-RED	LSE	MST		HNU 0.0	Fine gravel to 0.5 feet bgs.
13	1			No Sample Recovered						
12	2		70	Poorly graded sand with silt, SP-SM	PALE BROWN	LSE	MST	8 8 8 10	HNU 0.0	
11	3			Silty sand, SM	ORANGE BROWN	SFT	MST		HNU 0.0	
				No Sample Recovered						
10	4		45	Silty sand, SM	OLIVE BROWN	SFT	MST	14 16 18 14	HNU 0.1	Sand with silt/clay lamina
9	5			No Sample Recovered						
8	6		75	Silty sand, SM	OLIVE & IRON BR	LSE	WET	10 17 16 12	HNU 0.0	SAT noted in cuttings ~7' bgs, sand w/silt and clay lamina. 7.1-7.3' (90% sand 10% silt) wet.
7	7			No Sample Recovered						
6	8		90	Silty sand, SM	OLIVE & FE BROW	SFT	SAT	8 5 9 7	HNU 1.0	Sand with silt/clay laminae.
5	9			No Sample Recovered						
4	10		45	Silty sand, SM	OLIVE BROWN	SFT	SAT	7 8 9 9	HNU 3.0	Small gravel laminae ~10.4' bgs.

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Borehole Log — *Roy F. WESTON, Inc.*

PROJECT	: FT. MONMOUTH	TOTAL DEPTH	: 16.00
SITE NAME	: MAIN POST AREA 4	LOGGER	: P. THOMAS
BORING ID	: MP4-MW7	DRILLING COMPANY	: J.C. ANDERSON
NORTHING	: 0.0000 estimated	DRILLING RIG	: CME-55
EASTING	: 0.0000 estimated	DATE STARTED	: 12/14/94
ELEVATION	: 14.830 surveyed	DATE COMPLETED	: 12/14/94

ELEVATION	DEPTH	MATERIAL	% RECOVERY	CLASSIFICATION	COLOR	STRENGTH	MOISTURE	BLOW COUNT	FIELD INSTRUMENT READING	COMMENTS
				Silty sand, SM	OLIVE BROWN	SFT	SAT		HNU 3.0	Small gravel laminae ~10.4' bgs.
3	11			No Sample Recovered						
2	12		100	Silty sand, SM	OLIVE BROWN	SFT	SAT	11 20 17 14	HNU 1.0	Coarsening downward sequence into next spoon interval.
				Silty sand, SM	ST. BRN/OLV BRN	LSE	SAT		HNU 1.0	Sharp color change betw/ strong Fe oxide laminae (c. sand) interbedded w/ olive brown silt/clay.
1	13									
0	14		50	Poorly graded sand with silt, SP-SM	OLIVE BRN/FE BR	LSE	SAT	12 15 15 14	HNU 5.0	Set well 15.5' bgs.
-1	15			No Sample Recovered						
-2	16									
-3	17									
-4	18									
-5	19									
-6	20									

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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
MP4-MW7	1	1	0.00	0.45	SPS		0	FM	40	35	5	20		NON	NA	SFT	MST	
MP4-MW7	1	2	0.45	1.10	SPS	F	2	MF	85	13	0	0		NA	WEL	LSE	MST	
MP4-MW7	1	3	1.10	2.00	SPS		0		0	0	0	0						
MP4-MW7	2	1	2.00	3.00	SPS	F	2	MF	85	13	0	0		NA	WEL	LSE	MST	
MP4-MW7	2	2	3.00	3.40	SPS		0	MF	60	30	10	0		NON	WEL	SFT	MST	
MP4-MW7	2	3	3.40	4.00	SPS		0		0	0	0	0						
MP4-MW7	3	1	4.00	4.90	SPS		0	MF	80	15	5	0		NON	MOD	SFT	MST	
MP4-MW7	3	2	4.90	6.00	SPS		0		0	0	0	0						
MP4-MW7	4	1	6.00	7.50	SPS		0	MF	75	20	5	0		NON	MOD	LSE	WET	
MP4-MW7	4	2	7.50	8.00	SPS		0		0	0	0	0						
MP4-MW7	5	1	8.00	9.80	SPS		0	MF	80	15	5	0		NON	MOD	SFT	SAT	
MP4-MW7	5	2	9.80	10.00	SPS		0		0	0	0	0						
MP4-MW7	6	1	10.00	10.90	SPS	F	5	MF	75	15	5	0		NON	MOD	SFT	SAT	
MP4-MW7	6	2	10.90	12.00	SPS		0		0	0	0	0						
MP4-MW7	7	1	12.00	12.50	SPS		0	MF	80	15	5	0		NON	MOD	SFT	SAT	
MP4-MW7	7	2	12.50	14.00	SPS		0	MFC	80	15	5	0		NON	POR	LSE	SAT	
MP4-MW7	8	1	14.00	15.00	SPS		0	MCF	90	10	0	0		NA	MOD	LSE	SAT	
MP4-MW7	8	2	15.00	16.00	SPS		0		0	0	0	0						

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BOREHOLE ID : MP4-MW8 *PROJECT NAME:* FT. MONMOUTH
BEGIN DATE : 12/13/94 *END DATE :* 12/13/94

LOGGER/COMPANY : P. THOMAS

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

TOTAL DEPTH : 19.00 *DEPTH TO BEDROCK :* 0.00

BOREHOLE DIAMETER #1: 12.25
INTERVAL: 0.00 ft. to 19.00 ft. BGS
METHOD : HSA *FLUID :* NONE
BOREHOLE DIAMETER #2:
INTERVAL:
METHOD : *FLUID :*
BOREHOLE DIAMETER #3:
INTERVAL:
METHOD : *FLUID :*

DRILLING COMPANY : J.C. ANDERSON
DRILLER : STEVE BURGER
DRILL RIG TYPE : CME-55

	ESTIMATED	*SURVEYED*
SURFACE ELEVATION :	0.000	9.020
N. COORDINATE :	0.0000	
E. COORDINATE :	0.0000	

WELL PERMIT.....(Y)es (N)o: N *PERMIT # :* NJ 29 32572

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' 42.8"
Longitude-West: 74 deg 03' 02.9"

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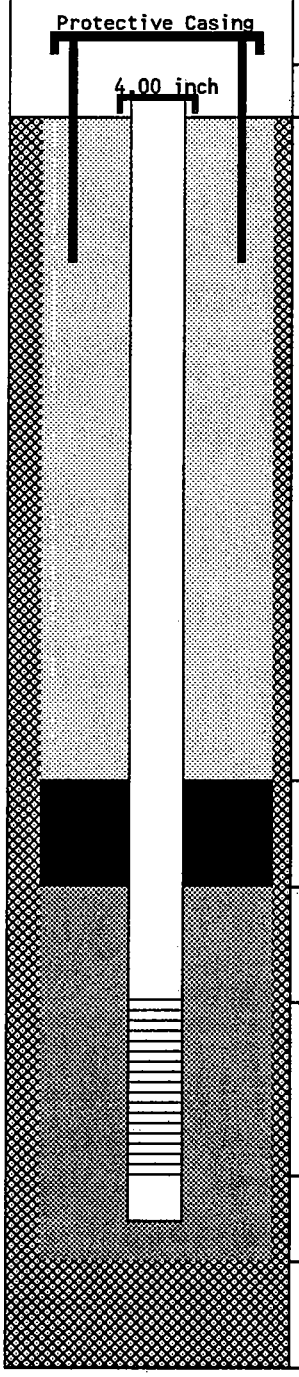
Well Completion Summary

Roy F. WESTON, Inc.

CLIENT	FT. MONMOUTH	*DRILLING FIRM*	J.C. ANDERSON
SITE NAME	MAIN POST AREA 4	*INSPECTOR*	P. THOMAS

WELL ID	MP4-MW8
START DATE	12/13/94
COMPLETION DATE	12/13/94

WATER LEVELS



DEPTH		ELEV.
1.66	TC	10.68
0.00	GS	9.02
0.20	BN	8.82
1.64	SP	7.38
3.64	SC	5.38
18.18	BS	-9.16
19.00	TD	-9.98

DRILLING SUMMARY

Driller STEVE BURGER
Drilling Fluid NONE
Well Type SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 *inch* *Interval:* 0.00 to 3.64 *ft.*
Type :

Stick Up Inner Casing: 1.66 *ft.* *Protective Casing:* 2.03 *ft.*

Casing Grout: CEMT/BENT *Interval:* 0.00 to 0.20 *ft.*

Seal Type: BENTONITE SLURRY *Interval:* 0.20 to 1.64 *ft.*

Sand Pack Type : NO. 1 MORIE *Interval:* 1.64 to 19.00 *ft.*
Grain Size : UNIFORM *Median Diameter:*
Screen Diameter: 4.00 *Interval:* 3.64 to 18.18 *ft.*
Type : PVC *Slots:* 0.010 *inches*

Silt Trap Interval: 18.18 to 18.64 *ft.*
Backfill Type : *Interval:* 0.00 to 0.00 *ft.*

WELL DEVELOPMENT

Date 12/20/94
Method Surge block/overpumping
Yield 1 gpm *Purged Volume* 90 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:
Depths are measured below ground surface.

NOTE: Well Diagram not to Scale

Elevations are feet above mean sea level

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Borehole Log

Roy F. WESTON, Inc.

PROJECT	: FT. MONMOUTH	TOTAL DEPTH	: 19.00
SITE NAME	: MAIN POST AREA 4	LOGGER	: P. THOMAS
BORING ID	: MP4-MW8	DRILLING COMPANY	: J.C. ANDERSON
NORTHING	: 0.0000 estimated	DRILLING RIG	: CME-55
EASTING	: 0.0000 estimated	DATE STARTED	: 12/13/94
ELEVATION	: 9.020 surveyed	DATE COMPLETED	: 12/13/94

ELEVATION	DEPTH	MATERIAL	% RECOVERY	CLASSIFICATION	COLOR	STRENGTH	MOISTURE	BLOW COUNT	FIELD INSTRUMENT READING	COMMENTS
			20	Organic soil, OL/OH	BROWN	SFT	MST	3 7 8 8	HNU 0.0	Topsoil grass roots/plant fragments.
				No Sample Recovered						
8	1									
7	2		27	Silt with sand, ML	RED BROWN	SFT	MST	8 8 14 18	HNU 0.0	Appears to be fill - bulk fragments 2-2.5' bgs (red)- rough drilling.
				No Sample Recovered						
6	3									
5	4		32	Silt with sand, ML	DK BRN/GRN BRN	SFT	MST	17 19 5 6	HNU 0.0	Appears to be fill. Plant root fragments.
				Well-graded gravel, GW	BROWN	LSE	DRY		HNU 0.0	Fill?
				No Sample Recovered						
4	5									
3	6		45	Poorly-graded gravel with sand, GP	BROWN-BEIGE	LSE	SAT	16 16 8 7	HNU 0.0	Uncertain - fill?
2	7			No Sample Recovered						
1	8			No Sample Recovered				9 4 3 3	HNU 0.0	Slough from above intervals.
0	9									
-1	10		95	Silty gravel with sand, GM	BROWN			4 2 1 6	HNU 0.0	

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Borehole Log

Roy F. WESTON, Inc.

PROJECT	: FT. MONMOUTH	TOTAL DEPTH	: 19.00
SITE NAME	: MAIN POST AREA 4	LOGGER	: P. THOMAS
BORING ID	: MP4-MW8	DRILLING COMPANY	: J.C. ANDERSON
NORTHING	: 0.0000 estimated	DRILLING RIG	: CME-55
EASTING	: 0.0000 estimated	DATE STARTED	: 12/13/94
ELEVATION	: 9.020 surveyed	DATE COMPLETED	: 12/13/94

ELEVATION	DEPTH	MATERIAL	% RECOVERY	CLASSIFICATION	COLOR	STRENGTH	MOISTURE	BLOW COUNT	FIELD INSTRUMENT READING	COMMENTS
				Silty gravel with sand, GM	BROWN				HNU 0.0	
				Organic soil, OL/OH	BROWN	SFT	MST		HNU 0.0	Plant/grass/root fragment
-1	11									
-2	12			No Sample Recovered						
			70	Organic soil, OL/OH	BROWN	SFT	MST	3 2 5 5	HNU 0.0	
				Sandy silt, ML	GRAY	SFT	MST		HNU 0.0	
-3	13									
				Silty sand, SM	LT GREEN	LSE	WET		HNU 0.0	
				No Sample Recovered						
-4	14		10	Well-graded gravel, GW	GRAY	LSE	SAT	6 5 5 6	HNU 0.0	Appears to be crushed concrete.
				No Sample Recovered						
-5	15									
-6	16		50	Silty sand, SM	GREEN	SFT	SAT	5 4 4 3	HNU 0.0	Sand and gravel (sat); gravel is rounded - augered to 19'.
-7	17			No Sample Recovered						
-8	18			Interval Not Sampled						Interval not sampled - set well at 19' bgs.
-9	19									
-10	20									

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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
MP4-MW8	1	1	0.00	0.40	SPS		0	F	10	35	5	50		NON	NA	SFT	MST	
MP4-MW8	1	2	0.40	2.00	SPS		0		0	0	0	0						
MP4-MW8	2	1	2.00	2.50	SPS		5	F	15	55	20	5		NON	POR	SFT	MST	
MP4-MW8	2	2	2.50	4.00	SPS		0		0	0	0	0						
MP4-MW8	3	1	4.00	4.50	SPS	F	5		15	70	10	0		NON	MOD	SFT	MST	
MP4-MW8	3	2	4.50	4.65	SPS	MCF	90	C	10	0	0	0		NA	POR	LSE	DRY	
MP4-MW8	3	3	4.65	6.00	SPS		0		0	0	0	0						
MP4-MW8	4	1	6.00	6.90	SPS	MFC	80	M	20	0	0	0		NA	MOD	LSE	SAT	
MP4-MW8	4	2	6.90	8.00	SPS		0		0	0	0	0						
MP4-MW8	5	1	8.00	10.00	SPS		0		0	0	0	0						
MP4-MW8	6	1	10.00	10.50	SPS	MFC	45	M	40	15	0	0						
MP4-MW8	6	2	10.50	11.90	SPS		0	F	10	25	5	60		NON	POR	SFT	MST	
MP4-MW8	6	3	11.90	12.00	SPS		0		0	0	0	0						
MP4-MW8	7	1	12.00	12.60	SPS		0	F	10	25	5	60		NON	POR	SFT	MST	
MP4-MW8	7	2	12.60	13.10	SPS		0	F	30	50	10	10		LOW	MOD	SFT	MST	
MP4-MW8	7	3	13.10	13.40	SPS		0	MF	70	25	5	0		NON	MOD	LSE	WET	
MP4-MW8	7	4	13.40	14.00	SPS		0		0	0	0	0						
MP4-MW8	8	1	14.00	14.20	SPS	MCF	90	CM	10	0	0	0		NA	POR	LSE	SAT	
MP4-MW8	8	2	14.20	16.00	SPS		0		0	0	0	0						
MP4-MW8	9	1	16.00	17.00	SPS	F	10	MCF	60	20	10	0		NON	MOD	SFT	SAT	
MP4-MW8	9	2	17.00	18.00	SPS		0		0	0	0	0						
MP4-MW8	10	1	18.00	19.00	NS		0		0	0	0	0						

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BOREHOLE ID : MP4-MW9 *PROJECT NAME:* FT. MONMOUTH
BEGIN DATE : 12/13/94 *END DATE :* 12/13/94

LOGGER/COMPANY : P. THOMAS

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

TOTAL DEPTH : 24.00 *DEPTH TO BEDROCK :* 0.00

BOREHOLE DIAMETER #1: 12.25
INTERVAL: 0.00 ft. to 24.00 ft. BGS
METHOD : HSA *FLUID :* NONE
BOREHOLE DIAMETER #2: 2.00
INTERVAL: 22.00 ft. to 24.00 ft. BGS
METHOD : SPLIT SPOON SAMPLER *FLUID :* NONE
BOREHOLE DIAMETER #3:
INTERVAL:
METHOD : *FLUID :*

DRILLING COMPANY : J.C. ANDERSON
DRILLER : STEVE BURGER
DRILL RIG TYPE : CME-55

	ESTIMATED	*SURVEYED*
SURFACE ELEVATION :	0.000	7.770
N. COORDINATE :	0.0000	
E. COORDINATE :	0.0000	

WELL PERMIT.....(Y)es (N)o: N *PERMIT # :* NJ 29 32573

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' 44.7"
Longitude-West: 74 deg 03' 02.6"

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

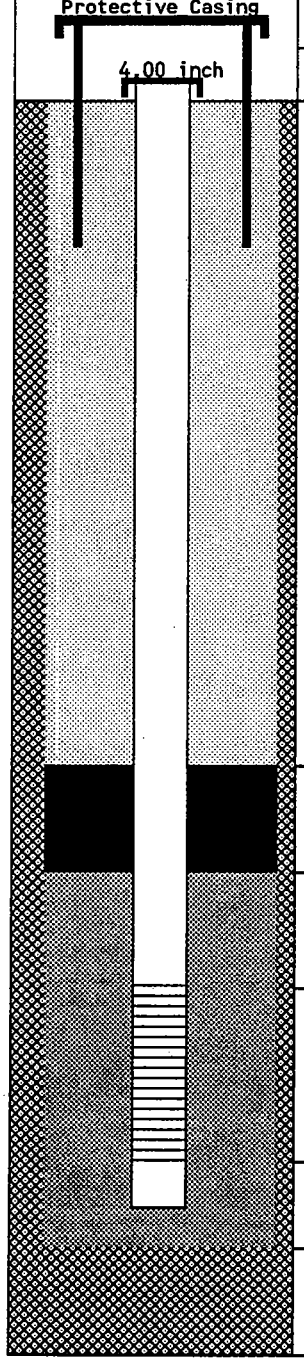
Well Completion Summary

Roy F. WESTON, Inc.

CLIENT	FT. MONMOUTH	*DRILLING FIRM*	J.C. ANDERSON
SITE NAME	MAIN POST AREA 4	*INSPECTOR*	P. THOMAS

WELL ID	MP4-MW9
START DATE	12/13/94
COMPLETION DATE	12/13/94

WATER LEVELS



DEPTH		ELEV.
1.92	TC	9.69
0.00	GS	7.77
3.19	BN	4.58
5.69	SP	2.08
7.69	SC	0.08
22.23	BS	-14.46
22.00	TD	-14.23

DRILLING SUMMARY

Driller STEVE BURGER
Drilling Fluid NONE
Well Type SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 *inch* *Interval:* 0.00 to 7.76 *ft.*
Type : PVC SCH 40

Stick Up Inner Casing: 1.92 *ft.* *Protective Casing:* 2.14 *ft.*

Casing Grout: CEMT/BENT *Interval:* 0.00 to 3.19 *ft.*

Seal Type: BENTONITE SLURRY *Interval:* 3.19 to 5.69 *ft.*

Sand Pack Type : NO. 1 *Interval:* 5.69 to 24.00 *ft.*
Grain Size : UNIFORM *Median Diameter:*
Screen Diameter: 4.00 *Interval:* 7.69 to 22.23 *ft.*
Type : PVC *Slots:* 0.010 *inches*

Silt Trap Interval: 22.23 to 22.69 *ft.*
Backfill Type : NO. 1 SAND *Interval:* 22.69 to 24.00 *ft.*

WELL DEVELOPMENT

Date 12/20/94
Method Surge block/overpumping
Yield 5 gpm *Purged Volume* 550 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:
Depths are measured below ground surface. Purge volume not measured.

NOTE: Well Diagram not to Scale

Elevations are feet above mean sea level

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Borehole Log

Roy F. WESTON, Inc.

PROJECT	: FT. MONMOUTH	TOTAL DEPTH	: 24.00
SITE NAME	: MAIN POST AREA 4	LOGGER	: P. THOMAS
BORING ID	: MP4-MW9	DRILLING COMPANY	: J.C. ANDERSON
NORTHING	: 0.0000 estimated	DRILLING RIG	: CME-55
EASTING	: 0.0000 estimated	DATE STARTED	: 12/13/94
ELEVATION	: 7.770 surveyed	DATE COMPLETED	: 12/13/94

ELEVATION	DEPTH	MATERIAL	% RECOVERY	CLASSIFICATION	COLOR	STRENGTH	MOISTURE	BLOW COUNT	FIELD INSTRUMENT READING	COMMENTS
			50	Silt with sand, ML	BROWN	SFT	MST	8 4 7 8	HNU 0.0	0-0.4 (topsoil), highly organic with plant/root fragments; 0.4-1.0 bgs - s. silt with tr. gravel
6	1			No Sample Recovered						
5	2		25	Silty sand with gravel, SM	BROWN	LSE	DRY	12 15 17 16	HNU 0.0	2-2.2 (same lithology as above interval).
				No Sample Recovered						
4	3									
3	4			No Sample Recovered				100 0 0 0		100/5" Split spoon refusal; no recovery.
2	5									
1	6			Interval Not Sampled						Interval not sampled due to refusal, redrilled at new location; resumed samp. 8-10 bgs, aug. 6-8'
0	7									
-1	8		100	Sandy silt, ML	GREEN GRAY	LSE	SAT	4 4 4	HNU 0.0	Perched water (?)
				Not Classified - Incomplete Data	BROWN	SFT	MST	5	HNU 0.0	Grass roots/fragments throughout interval.
-2	9			Sandy silt, ML	GRAY	SFT	MST		HNU 0.0	Silt organic.
-3	10		30	Silt with sand, ML	DK GRAY	SFT	MST	6 4 5 6	HNU 0.0	

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Borehole Log

Roy F. WESTON, Inc.

PROJECT	: FT. MONMOUTH	TOTAL DEPTH	: 24.00
SITE NAME	: MAIN POST AREA 4	LOGGER	: P. THOMAS
BORING ID	: MP4-MW9	DRILLING COMPANY	: J.C. ANDERSON
NORTHING	: 0.0000 estimated	DRILLING RIG	: CME-55
EASTING	: 0.0000 estimated	DATE STARTED	: 12/13/94
ELEVATION	: 7.770 surveyed	DATE COMPLETED	: 12/13/94

ELEVATION	DEPTH	MATERIAL	% RECOVERY	CLASSIFICATION	COLOR	STRENGTH	MOISTURE	BLOW COUNT	FIELD INSTRUMENT READING	COMMENTS
				Silt with sand, ML	DK GRAY	SFT	MST		HNU 0.0	
				No Sample Recovered						
-3	11									
-4	12		70	Elastic silt, MH	GRAY	SFT	MST	2 3 4 4	HNU 0.0	Moist to wet with more clay.
-5	13			Silty gravel with sand, GM	GRAY	NA	SAT		HNU 0.0	
				No Sample Recovered						
-6	14		40	Silty sand, SM	GRAY	SFT	SAT	3 2 3 4	HNU 0.0	
				Silt with sand, ML	BROWN	SFT	WET		HNU 0.0	16.7-16.8 same as 16-16.4 The c.s. silt appears to be softer, possibly due to sat, moisture content.
				No Sample Recovered						
-7	15									
-8	16		15	Silty sand, SM	GRAY GREEN	LSE	MST	4 4 5 7	HNU 4.0	
				No Sample Recovered						
-9	17									
-10	18			No Sample Recovered					HNU 0.0	2' sat slough from above intervals.
-11	19									
-12	20		20	Silty sand, SM	FOREST GREEN	LSE	MST	3 4 5 5	HNU 5.0	

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Borehole Log

Roy F. WESTON, Inc.

PROJECT	: FT. MONMOUTH	TOTAL DEPTH	: 24.00
SITE NAME	: MAIN POST AREA 4	LOGGER	: P. THOMAS
BORING ID	: MP4-MW9	DRILLING COMPANY	: J.C. ANDERSON
NORTHING	: 0.0000 estimated	DRILLING RIG	: CME-55
EASTING	: 0.0000 estimated	DATE STARTED	: 12/13/94
ELEVATION	: 7.770 surveyed	DATE COMPLETED	: 12/13/94

ELEVATION	DEPTH	MATERIAL	% RECOVERY	CLASSIFICATION	COLOR	STRENGTH	MOISTURE	BLOW COUNT	FIELD INSTRUMENT READING	COMMENTS
				Silty sand, SM	FOREST GREEN	LSE	MST		HNU 5.0	
				No Sample Recovered						
-13	21									
-14	22		55	Sandy silt, ML	FOREST GREEN	SFT	SAT	3 4 4 5	HNU 4.5	Slt more compact; SAT in parts tight medium. Set well at 22' bgs. TD=24' bgs.
-15	23			No Sample Recovered						
-16	24									
-17	25									
-18	26									
-19	27									
-20	28									
-21	29									
-22	30									

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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
MP4-MW9	1	1	0.00	1.00	SPS	F	5	F	15	30	15	35		NON	MOD	SFT	MST	
MP4-MW9	1	2	1.00	2.00	SPS		0		0	0	0	0						
MP4-MW9	2	1	2.00	2.50	SPS	FM	35	MCF	45	20	0	0		NA	POR	LSE	DRY	
MP4-MW9	2	2	2.50	4.00	SPS		0		0	0	0	0						
MP4-MW9	3	1	4.00	6.00	SPS		0		0	0	0	0						
MP4-MW9	4	1	6.00	8.00	NS		0		0	0	0	0						
MP4-MW9	5	1	8.00	8.40	SPS		0	FM	30	45	25	0		LOW	MOD	LSE	SAT	
MP4-MW9	5	2	8.40	8.80	SPS		0	F	15	20	5	60		NA	POR	SFT	MST	
MP4-MW9	5	3	8.80	10.00	SPS		0	F	30	50	10	10		LOW	MOD	SFT	MST	
MP4-MW9	6	1	10.00	10.60	SPS		0	F	20	50	20	10		LOW	MOD	SFT	MST	
MP4-MW9	6	2	10.60	12.00	SPS		0		0	0	0	0						
MP4-MW9	7	1	12.00	13.00	SPS		0	F	10	50	40	0		HGH	MOD	SFT	MST	
MP4-MW9	7	2	13.00	13.40	SPS	MFC	45	MFC	35	15	5	0		NA	POR	NA	SAT	
MP4-MW9	7	3	13.40	14.00	SPS		0		0	0	0	0						
MP4-MW9	8	1	14.00	14.40	SPS	FM	10	FM	45	35	10	0		LOW	POR	SFT	SAT	
MP4-MW9	8	2	14.40	14.80	SPS		0	F	20	30	10	40		LOW	POR	SFT	WET	
MP4-MW9	8	3	14.80	16.00	SPS		0		0	0	0	0						
MP4-MW9	9	1	16.00	16.30	SPS		0	MFC	75	20	5	0		NON	MOD	LSE	MST	
MP4-MW9	9	2	16.30	18.00	SPS		0		0	0	0	0						
MP4-MW9	10	1	18.00	20.00	SPS		0		0	0	0	0						
MP4-MW9	11	1	20.00	20.40	SPS		0	MF	50	45	5	0		NA	WEL	LSE	MST	
MP4-MW9	11	2	20.40	22.00	SPS		0		0	0	0	0						
MP4-MW9	12	1	22.00	23.10	SPS		0	MF	35	45	20	0		LOW	WEL	SFT	SAT	
MP4-MW9	12	2	23.10	24.00	SPS		0		0	0	0	0						

GEOLIS C ight (c) 1990, Roy F. WESTON, Inc.

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

LOG OF BORING M4 MW10

U.S. ARMY
SELFM-PW-EV
JOSEPH FALLON
M4 LANDFILL
GROUNDWATER INVESTIGATION

DRILLING COMPANY	: LUTZ ENVIRONMENTAL	GEOLOGIST	: FRANK ACCORSI
DRILLER	: TIM WESTOVER	DATE COMPLETED	: 11/23/99
DRILLING METHOD	: HOLLOW STEM AUGER	NJDEP PERMIT NO.	: 29 41 644
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	Topsoil		
1	2	6	Brown coarse-med-fine SAND, little fine Gravel	SW	0
	3	7			
2	4	6			0
	5	8			
3	6	14			0
	7	-	CONCRETE		
4	8	-			0
	9	-			
5	10	-			0
	11	10			
6	12	7			0
	13	9	Green black medium-fine SAND, some Clayey SILT, little fine Gravel wet @ 7 ft.	SP	
7	14	12			0
	15	8			
8	16	10			0
	17	6			
9	18	8			0
	19	7			
10	20	10			0
11			Black fine SAND, and Clayey SILT	SM	
12					
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

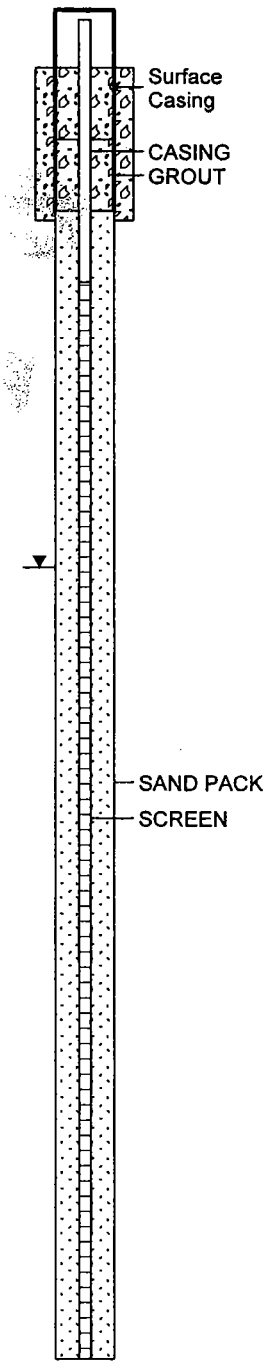
ANNULUS SEAL: portland/bentonite

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: M4MW10
Elev.:



03-31-2000 X:\MTECH5\M12\M4MW10.BOR

LUTZ ENVIRONMENTAL CO., INC.

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

BORING LOG:

WELL NO. MW 10 COORDINATE NO. 29-14-446 PERMIT NO. 29-41644

DATE DRILLED 11-23-99 COUNTY MONMOUTH USE MONITOR

LOCATION M-4 LANDFILL AVE. OF MEMORIES FT. MONMOUTH NJ

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

DRILLING METHOD AUGER SAMPLING METHOD SPLIT SPOON / COMPOSITE

HOLE DIA. 10" TOTAL DEPTH 18'

CASING:

TYPE MONO FLEX 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. 6' GEOLOGIC FORMATION UNCONSOLIDATED

DEPTH BELOW SURFACE	SAMPLE NUMBER	BLOWS PER 6" ON SAMPLER	WELL DESIGN	IDENTIFICATION OF SOILS/REMARKS
		SPOONS	6" STEEL PROTECTIVE sleeve w/ 2'x2' CONCRETE PAD. CEMENT BEN. 3' SOLID PVC CEMENT BEN.	0'-6' → TOPSOIL + ROCK (2"-3") FILL DIRT + DEBRIS.
		NOT RECORDED	#1 WELL GRAVEL 15' .010 SLOT SCREEN #1 WELL GRAVEL	6"-18' → BLACK / GRAY SILTS + CLAYS WITH ORGANICS. SAND LENSES
		BY DRILLER		

→ BOT. SAND @ 18'

SERIAL # 003333

DWR-133M (10/96)

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

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

38

Permit No. 29 41644

MONITORING WELL PERMIT

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

COORD #: 29 14.446

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

Name of Facility: M-4 LANDFILL
Address: AVE. OF MEMORIES
FT. MONMOUTH N.J. 07703

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

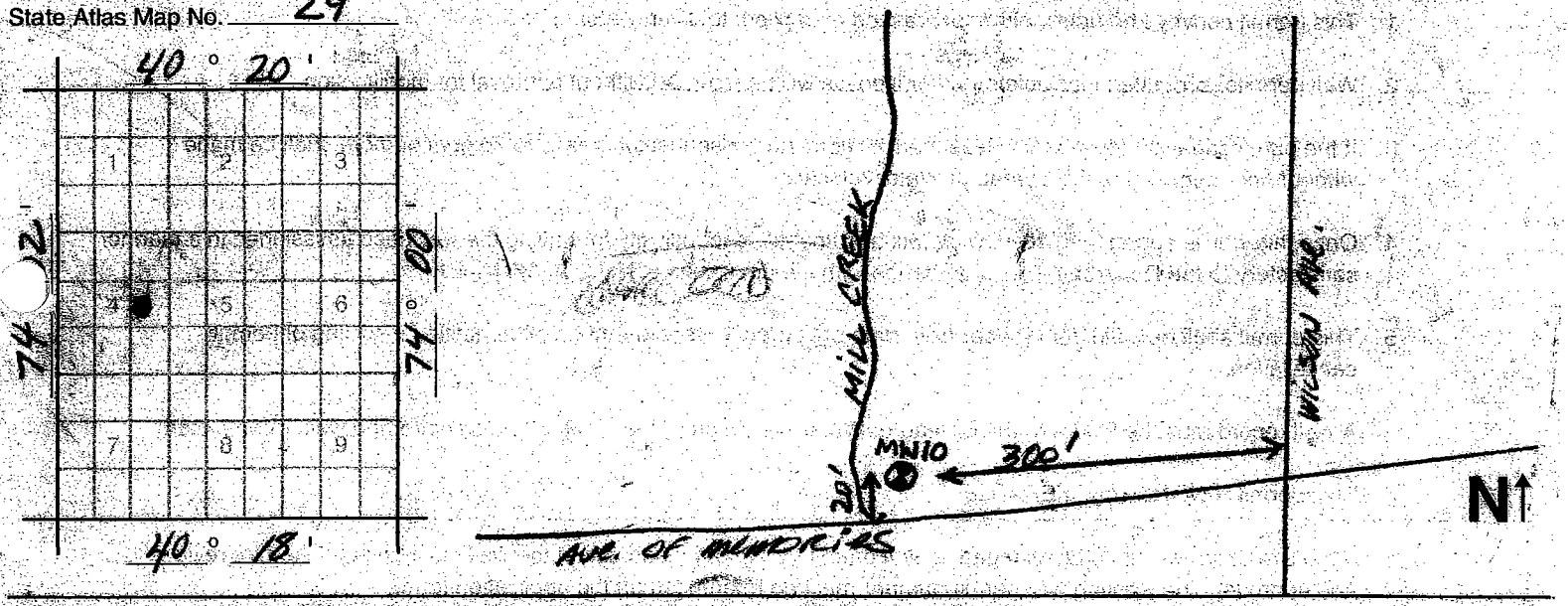
Diameter of Well(s)	4 Inches	Proposed Depth of Well(s)	15 Feet
# of Wells Applied for (max. 10)	1	Will pumping equipment be installed?	YES ☐ NO ☑
Type of Well (see reverse)	MONITOR	If Yes, give pump capacity	N/A cumulative GPM

LOCATION OF WELL(S)

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

State Atlas Map No. 29

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
N.J.D.E.P.
OCT 22 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: 10-15-99 Signature of Driller: [signature] Registration No. J1598

Signature of Owner: [signature]

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

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- 41644
This number must be permanently affixed to the well casing.
Longitude (one tenth of a second): West 74°03' 09.1"
Latitude (one tenth of a second): North 40° 18' 43.6"
Elevation of Top of Casing (cap off) 11.41
Distance from Top of Casing (cap off) to ground 2.22
Owner's Well Number (As shown in the application or Plans): M4 MW-10
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.

Appendix C

Current Conditions Site Photographs

APPENDIX C
Current Conditions Site Photographs
M-4 Landfill Site
Fort Monmouth, New Jersey

1. M-4 Landfill Site looking north. Mill Creek is on left.

2. M-4 Landfill Site looking northeast. Avenue of Memories is on the right.

Appendix D

Groundwater Laboratory Data Sheets

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (908)532-6224 FAX: (908)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-4

LABORATORY ID #	MONITOR WELL #	NJDEP WELL ID #	SAMPLE DATE
2509.03	MW-7	2932571	5/6/97
2509.04	MW-8	2932572	5/6/97
2509.05	MW-9	2932573	5/6/97

NJDEP Laboratory Certification # 13461

Report Date: 21 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: J. Fallon DPW
Phone #: 532-6223
(X)DERA (M)OMA ( )Other:
Samplers Name / Company : Ray Pogwist / TVS

Project No: 0794-19-01005
Location: M-4

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	TCL VOA + 15	TCL BNA + 25	TCL Pest/PCB	TAL Metals					Remarks / Preservation Method
2509 01	M4 - Trip Blank	5-6-97	0800	Aqua	2	X								(VOA - HCl) (metals - HNO_3)
02	M4 - Field Blank		1030		5	X	X	X	X					All Samples Kept ≤ 4°C
03	M4 - MW7		1105		5									#2932571
04	M4 - MW8		1150		5									#2932572
5	M4 - MW9		1530		7									#2932573 * 2 additional 1L bottles for QC
6	Field Dup		—		5	X	X	X	X					
														HT of SS#9 = 3.6'

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	05/06/97 1550	[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

Custody.xls5/1/97

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: M-4
MW# 7
NJDEP ID# 2932571
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE: 05/06/97 WEATHER: RAIN 60'S

ELEVATION OF CASING SURVEY MARK 14.83
DTW: 7.70
DEPTH OF WELL: 17.80
HEIGHT OF WATER 10.1
10.1 X 0.65 X ___3___ = 19.70
GAL OF H2O TO BE EVACUATED 19.70 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) __PERISTALIC__
PURGE RATE 0.3 GPM
Hnu READING COULD NOT USE-WEATER INFLUENCED

PURGE START TIME: 10:00
pH: 5.10 TEMP 54.6 DEG °F
DISSOLVED O2 3.5 PPM SPECIFIC CONDUCTIVITY 156 us/cm

PURGE END TIME: 11:00
pH: 5.40 TEMP 54.0 DEG °F
DISSOLVED O2 3.1 PPM SPECIFIC CONDUCTIVITY 360 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 7.95 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 17.0 GAL

pH: 5.47 TEMP 54.2 DEG °F
DISSOLVED O2 2.9 PPM SPECIFIC CONDUCTIVITY 369 us/cm

COMMENTS:_____

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: M-4
MW# 8
NJDEP ID# 2932572
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE: 05/06/97 WEATHER: RAIN 60'S

ELEVATION OF CASING SURVEY MARK 9.68
DTW: 6.50
DEPTH OF WELL: 19.90
HEIGHT OF WATER 13.4
13.4 X 0.65 X ___3___ = 26.1
GAL OF H2O TO BE EVACUATED 26.1 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) __PERISTALIC___
PURGE RATE 0.3 GPM
Hnu READING COULD NOT USE-WEATER INFLUENCED

PURGE START TIME: 10:15
pH: 4.94 TEMP 54.9 DEG °F
DISSOLVED O2 3.2 PPM SPECIFIC CONDUCTIVITY 239 us/cm

PURGE END TIME: 11:45
pH: 5.11 TEMP 55.4 DEG °F
DISSOLVED O2 2.9 PPM SPECIFIC CONDUCTIVITY 250 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 745 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 26.3 GAL

pH: 5.21 TEMP 55.5 DEG °F
DISSOLVED O2 2.8 PPM SPECIFIC CONDUCTIVITY 252 us/cm

COMMENTS:_____

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: M-4
MW# 9
NJDEP ID# 2932573
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE: 05/06/97 WEATHER: RAIN 60'S

ELEVATION OF CASING SURVEY MARK 9.69
DTW: 5.40
DEPTH OF WELL 24.5
HEIGHT OF WATER 19.10
19.10 X 0.65 X ____3____ = 37.25
GAL OF H2O TO BE EVACUATED 37.25 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) __PERISTALIC___
PURGE RATE 0.3 GPM
Hnu READING COULD NOT USE-WEATER INFLUENCED

PURGE START TIME: 13:15
pH: 7.06 TEMP 59.3 DEG °F
DISSOLVED O2 2.5 PPM SPECIFIC CONDUCTIVITY 258 us/cm

PURGE END TIME: 15:20
pH: 7.23 TEMP 57.0 DEG °F
DISSOLVED O2 2.2 PPM SPECIFIC CONDUCTIVITY 315 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 6.35 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 36.6 GAL

pH: 7.21 TEMP 57.5 DEG °F
DISSOLVED O2 2.3 PPM SPECIFIC CONDUCTIVITY 352 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	**V00835.D**	Sample Name	**Daily Blank**
Operator	**Paul Skelton**	Field ID	**Daily Blank**
Date Acquired	**05/20/19 -1:4:**	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 **v00836.d**
Operator
Date Acquired **05/20/97 15:00**

Sample Name **2509.01**
Field ID **M4-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 **v00837.d**
Operator
Date Acquired **05/20/97 15:53**

Sample Name **2509.02**
Field ID **M4-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 **v00838.d**
Operator
Date Acquired **05/20/97 16:50**

Sample Name **2509.03**
Field ID **M4-MW7**
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 **v00839.d**
Operator
Date Acquired **05/20/97 17:46**

Sample Name **2509.04**
Field ID **M4-MW8**
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 **v00840.d**
Operator
Date Acquired **05/20/97 19:43**

Sample Name **2509.05**
Field ID **M4-MW9**
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 **v00841.d**
Operator
Date Acquired **05/20/97 20:58**

Sample Name **2509.06**
Field ID **Field Duplicate**
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: V00835.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/20/97

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 01005

NJDEP # 13461 Case No.: 2509 Location M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2509.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00836.D

Level: (low/med) LOW Date Received: 05/06/97

% Moisture: not dec. Date Analyzed: 05/20/97

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 01005

NJDEP # 13461 Case No.: 2509 Location M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2509.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00837.D

Level: (low/med) LOW Date Received: 05/06/97

% Moisture: not dec. Date Analyzed: 05/20/97

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: **MW7**

Lab Name: FMETL Project 01005

NJDEP # 13461 Case No.: 2509 Location M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2509.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00838.D

Level: (low/med) LOW Date Received: 05/06/97

% Moisture: not dec. Date Analyzed: 05/20/97

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	4	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW8

Lab Name: FMETL Project 01005

NJDEP # 13461 Case No.: 2509 Location M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2509.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00839.D

Level: (low/med) LOW Date Received: 05/06/97

% Moisture: not dec. Date Analyzed: 05/20/97

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

MW9

Lab Name: FMETL Project 01005

NJDEP # 13461 Case No.: 2509 Location M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2509.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00840.D

Level: (low/med) LOW Date Received: 05/06/97

% Moisture: not dec. Date Analyzed: 05/20/97

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 Dup

Lab Name: FMETL Project 01005

NJDEP # 13461 Case No.: 2509 Location M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2509.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00841.D

Level: (low/med) LOW Date Received: 05/06/97

% Moisture: not dec. • Date Analyzed: 05/20/97

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: 3

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 001066-40-6	Silanol, trimethyl-	13.89	6	JN
2. 001120-21-4	Undecane	35.08	5	JN
3. 001120-21-4	Undecane	36.94	10	JN

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

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

Data File Name	**bn0164.d**	Sample Name	**Extraction Blank 05/09/97**
Operator	**Paul Skelton**	Field ID	**SBLK02**
Date Acquired	**05/21/97 17:22**	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	20.52	1567609	26.26 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 **bn0158.d**
Operator **Paul Skelton**
Date Acquired **05/21/97 12:57**

Sample Name **2509.02**
Field ID **M4 Field Blank 05/06/97**
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	20.51	715729	11.63 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 **bn0159.d**
Operator **Paul Skelton**
Date Acquired **05/21/97 13:41**

Sample Name **2509.03**
Field ID **M4 MW7**
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	11.44	19025	0.34 ug/L	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	20.50	352752	5.96 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	

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

Data File Name **bn0160.d**
Operator **Paul Skelton**
Date Acquired **05/21/97 14:25**

Sample Name **2509.04**
Field ID **M4 MW8**
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	20.51	620433	11.67 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 **bn0161.d**
Operator **Paul Skelton**
Date Acquired **05/21/97 15:10**

Sample Name **2509.05**
Field ID **M4 MW9**
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	11.46	14873	0.26 ug/L	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	20.51	180046	3.04 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 **bn0162.d**
Operator **Paul Skelton**
Date Acquired **05/21/97 15:54**

Sample Name **2509.06**
Field ID **Field Dup 05/06/97**
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	20.50	155860	2.50 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	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

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: BN0164.D

Level: (low/med) LOW Date Received: 05/09/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 05/21/97

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-55-6	Propylene Glycol	3.41	61	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.25	37	JN
3. 000000-00-0	(E)-3-Chloro-2-methyl-2-pentenal	7.98	54	JN
4. 000301-02-0	9-Octadecenamide, (Z)-	24.03	10	JN
5. 000112-92-5	1-Octadecanol	25.03	9	JN
6. 001120-07-6	Nonanamide	27.20	28	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

FIELD BLANK

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2509 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2509.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0158.D

Level: (low/med) LOW Date Received: 05/06/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/09/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/21/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	3.36	31	J
2.	unknown hydrocarbon	5.24	19	J
3.	unknown hydrocarbon	7.97	42	J
4. 000057-10-3	Hexadecanoic acid	20.44	8	JN
5. 001120-07-6	Nonanamide	22.47	12	JN
6.	unknown hydrocarbon	24.04	14	J
7. 001599-67-3	1-Docosene	25.04	12	JN
8.	unknown hydrocarbon	27.20	21	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW7

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2509 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2509.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0159.D

Level: (low/med) LOW Date Received: 05/06/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 05/21/97

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: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-55-6	Propylene Glycol	3.38	43	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.24	25	JN
3. 000000-00-0	(E)-3-Chloro-2-methyl-2-pentenal	7.98	54	JN
4. 001120-07-6	Nonanamide	22.47	10	JN
5. 000301-02-0	9-Octadecenamide, (Z)-	24.04	14	JN
6. 000112-92-5	1-Octadecanol	25.03	9	JN
7. 000301-02-0	9-Octadecenamide, (Z)-	27.20	20	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW8

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2509 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2509.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0160.D

Level: (low/med) LOW Date Received: 05/06/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 05/21/97

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-55-6	Propylene Glycol	3.37	46	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.24	22	JN
3. 000000-00-0	(E)-3-Chloro-2-methyl-2-pentenal	7.97	57	JN
4. 000057-10-3	Hexadecanoic acid	20.45	14	JN
5. 001120-07-6	Nonanamide	22.47	13	JN
6. 001120-07-6	Nonanamide	24.04	18	JN
7. 000112-92-5	1-Octadecanol	25.04	17	JN
8. 000301-02-0	9-Octadecenamide, (Z)-	27.20	51	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW9

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2509 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2509.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0161.D

Level: (low/med) LOW Date Received: 05/06/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 05/21/97

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: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-55-6	Propylene Glycol	3.39	45	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.24	27	JN
3. 000000-00-0	(E)-3-Chloro-2-methyl-2-pentenal	7.98	56	JN
4. 001120-07-6	Nonanamide	22.47	11	JN
5. 000301-02-0	9-Octadecenamide, (Z)-	24.03	12	JN
6. 074685-33-9	3-Eicosene, (E)-	25.03	9	JN
7. 000301-02-0	9-Octadecenamide, (Z)-	27.19	18	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Field Dup

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2509 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2509.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0162.D

Level: (low/med) LOW Date Received: 05/06/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 05/21/97

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: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-55-6	Propylene Glycol	3.38	44	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.24	24	JN
3. 000000-00-0	(E)-3-Chloro-2-methyl-2-pentenal	7.97	50	JN
4. 000626-97-1	Pentanamide	22.46	9	JN
5. 000301-02-0	9-Octadecenamide, (Z)-	24.03	9	JN
6. 000301-02-0	9-Octadecenamide, (Z)-	27.20	14	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:**	NA
	Bldg. 173	**Extraction Date:**	5/12/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/97
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 # :**	2509.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/6/97
	Bldg. 173	**Extraction Date:**	5/12/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/97

Analysis:	EPA Method 608	**Location :**	M-4
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 # :**	2509.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/6/97
	Bldg. 173	**Extraction Date:**	5/12/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/97

Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		Ft. Monmouth
Analyst:	D. Wright	**Field ID:**	MW-7
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 # :**	2509.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/6/97
	Bldg. 173	**Extraction Date:**	5/12/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/97

Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		Ft. Monmouth
Analyst:	D. Wright	**Field ID:**	MW-8
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 # :**	2509.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/6/97
	Bldg. 173	**Extraction Date:**	5/12/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/97

Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		Ft. Monmouth
Analyst:	D. Wright	**Field ID:**	MW-9
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 # :**	2509.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/6/97
	Bldg. 173	**Extraction Date:**	5/12/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/14/97

Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		Ft. Monmouth
Analyst:	D. Wright	**Field ID:**	Field Duplicate
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 4
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	7/29/97	ND	0.1	200
Antimony	5/28/97	ND	0.5	20
Arsenic	5/21/97	ND	1.0	8
Barium	7/30/97	ND	0.5	2000
Beryllium	7/9/97	ND	0.06	20
Cadmium	5/28/97	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	5/13/97	10.0	10.0	300
Lead	5/27/97	ND	0.5	10
Magnesium	7/7/97	ND	50.0	NA
Manganese	7/9/97	ND	5.0	50
Mercury	5/30/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	ND	40.0	NA
Selenium	5/21/97	ND	1.0	50
Silver	5/7/97	ND	3.0	20
Sodium	7/8/97	ND	10.0	50000
Thallium	5/22/97	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

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

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

Lab ID #: 2509.02
Sample Received: 5/6/97
Sample Matrix: Aqueous

Site: M 4
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	7/29/97	18.3	0.1	200
Antimony	5/28/97	ND	0.5	20
Arsenic	5/21/97	2.0	1.0	8
Barium	7/30/97	2.4	0.5	2000
Beryllium	7/9/97	ND	0.06	20
Cadmium	5/28/97	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	21.0	3.0	1000
Iron	5/13/97	60.0	10.0	300
Lead	5/27/97	ND	0.5	10
Magnesium	7/7/97	80.0	50.0	NA
Manganese	7/9/97	11.0	5.0	50
Mercury	5/30/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	90.0	40.0	NA
Selenium	5/21/97	ND	1.0	50
Silver	5/7/97	21.0*	3.0	20
Sodium	7/8/97	80.0	10.0	50000
Thallium	5/22/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	6.0	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable
* = Continuing calibration blank is greater than the MDL.

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

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

Lab ID #: 2509.03
Sample Received: 5/6/97
Sample Matrix: Aqueous

Site: M 4
Ft. Monmouth, New Jersey

Field ID#: MW-7

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	7/29/97	1485.0	0.1	200
Antimony	5/28/97	ND	0.5	20
Arsenic	5/21/97	2.0	1.0	8
Barium	7/30/97	65.5	0.5	2000
Beryllium	7/9/97	0.32	0.06	20
Cadmium	5/28/97	ND	2.0	4
Calcium	7/30/97	19400.0	30.0	NA
Chromium	7/23/97	0.7	0.4	100
Cobalt	7/9/97	ND	20.0	NA
Copper	7/7/97	23.0	3.0	1000
Iron	5/13/97	160.0	10.0	300
Lead	5/27/97	ND	0.5	10
Magnesium	7/7/97	7320.0	50.0	NA
Manganese	7/9/97	90.0	5.0	50
Mercury	5/30/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	3380.0	40.0	NA
Selenium	5/21/97	3.0	1.0	50
Silver	5/7/97	21.0*	3.0	20
Sodium	7/8/97	58340.0	10.0	50000
Thallium	5/22/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	51.0	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable
* = Continuing calibration blank is greater than the MDL.

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

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

Lab ID #: 2509.04
Sample Received: 5/6/97
Sample Matrix: Aqueous

Site: M 4
Ft. Monmouth, New Jersey

Field ID#: MW-8

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	7/29/97	35.4	0.1	200
Antimony	5/28/97	ND	0.5	20
Arsenic	5/21/97	3.0	1.0	8
Barium	7/30/97	34.2	0.5	2000
Beryllium	7/9/97	0.23	0.06	20
Cadmium	5/28/97	ND	2.0	4
Calcium	7/30/97	30750.0	30.0	NA
Chromium	7/23/97	ND	0.4	100
Cobalt	7/9/97	ND	20.0	NA
Copper	7/7/97	44.0	3.0	1000
Iron	5/13/97	13910.0	10.0	300
Lead	5/27/97	ND	0.5	10
Magnesium	7/7/97	5990.0	50.0	NA
Manganese	7/9/97	119.0	5.0	50
Mercury	5/30/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	610.0	40.0	NA
Selenium	5/21/97	ND	1.0	50
Silver	5/7/97	ND	3.0	20
Sodium	7/8/97	10100.0	10.0	50000
Thallium	5/22/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	9.0	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, 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 #: 2502.05
Sample Received: 5/6/97
Sample Matrix: Aqueous

Site: M 4
Ft. Monmouth, New Jersey

Field ID#: MW-9

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	7/29/97	91.0	0.1	200
Antimony	5/28/97	ND	0.5	20
Arsenic	5/21/97	3.0	1.0	8
Barium	7/30/97	109.1	0.5	2000
Beryllium	7/9/97	0.25	0.06	20
Cadmium	5/28/97	ND	2.0	4
Calcium	7/30/97	44040.0	30.0	NA
Chromium	7/23/97	ND	0.4	100
Cobalt	7/9/97	ND	20.0	NA
Copper	7/7/97	32.0	3.0	1000
Iron	5/13/97	36990.0	10.0	300
Lead	5/27/97	0.5	0.5	10
Magnesium	7/7/97	6390.0	50.0	NA
Manganese	7/9/97	68.0	5.0	50
Mercury	5/30/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	7090.0	40.0	NA
Selenium	5/21/97	ND	1.0	50
Silver	5/7/97	ND	3.0	20
Sodium	7/8/97	8300.0	10.0	50000
Thallium	5/22/97	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

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

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

Lab ID #: 2509.06
Sample Received: 5/6/97
Sample Matrix: Aqueous

Site: M 4
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	7/29/97	41.4	0.1	200
Antimony	5/28/97	ND	0.5	20
Arsenic	5/21/97	4.0	1.0	8
Barium	7/30/97	136.3	0.5	2000
Beryllium	7/9/97	0.21	0.06	20
Cadmium	5/28/97	ND	2.0	4
Calcium	7/30/97	57070.0	30.0	NA
Chromium	7/23/97	0.5	0.4	100
Cobalt	7/9/97	ND	20.0	NA
Copper	7/7/97	4.0	3.0	1000
Iron	5/13/97	34990.0	10.0	300
Lead	5/27/97	0.8	0.5	10
Magnesium	7/7/97	6480.0	50.0	NA
Manganese	7/9/97	69.0	5.0	50
Mercury	5/30/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	8680.0	40.0	NA
Selenium	5/21/97	ND	1.0	50
Silver	5/7/97	4.0	3.0	20
Sodium	7/8/97	8700.0	10.0	50000
Thallium	5/22/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	17.0	2.0	5000

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

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-4

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
2906.04	MW-07	29-32571	08/15/97
2906.05	MW-08	29-32572	08/15/97
2906.03	MW-09	29-32573	08/15/97

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	3120B
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
(X)DERA ( )OMA ( )Other:
Project No:
Location: M-4
Samplers Name / Company: Ray Pogwist / TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	TCL VOA +15	TCL BNA +25	TCL Pest	TAL Metals				HANL	Remarks / Preservation Method
2906 1	Trip Blank	8/15/97	0800	AQ	2	X								All Samples Kept ≤ 4°C
2	Field Blank		920		5	X	X	X	X					(VOA-HCl) (Metals-HNO3)
3	M-4 MW9		1050										O	# 2932573
4	M4 MW7		1030										O	# 2932571
5	M4 MW8		1120										O	# 2932572
6	Field Dup		—										O	
														Stream site 2.30
														M3 MW4- 13.40

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	8/15/97 1305	[signature] D. Wright			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, ( )Standard, ( )Screen / non-certified
Turnaround time: ( )Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG M-4
MW# 7
NJDEP ID# 2932571
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE 8/15/97 WEATHER HAZY 80'S

ELEVATION OF CASING SURVEY MARK 14.83
DTW 9.15
DEPTH OF WELL 17.80
HEIGHT OF WATER 8.65
8.65 X 0.65 X ___3___ = 16.8675
GAL OF H2O TO BE EVACUATED 16.87 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) PERISTALIC
PURGE RATE 0.3 GPM
Hnu 0 PPM

PURGE START TIME 9:30
pH 6.55 TEMP 21.7 DEG °C
DISSOLVED O2 1.7 PPM SPECIFIC CONDUCTIVITY 450 us/cm

PURGE END TIME 10:27
pH 6.37 TEMP 20.2 DEG °C
DISSOLVED O2 2.6 PPM SPECIFIC CONDUCTIVITY 300 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 9.40 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED 17.1 GAL

pH 6.33 TEMP 20.3 DEG °C
DISSOLVED O2 2.8 PPM SPECIFIC CONDUCTIVITY 300 us/cm

COMMENTS: STRUM site 16 = 2.3'
M3 MW4 - 13.40'

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG M-4
MW# 8
NJDEP ID# 2932572
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE 8/15/97 WEATHER HAZY 80'S

ELEVATION OF CASING SURVEY MARK 9.68
DTW 6.90
DEPTH OF WELL 19.90
HEIGHT OF WATER 13.00
13.00 X 0.65 X ___3___ = 25.35
GAL OF H2O TO BE EVACUATED 25.35 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 7.74 TEMP 20.8 DEG °C
DISSOLVED O2 1.9 PPM SPECIFIC CONDUCTIVITY 240 us/cm

PURGE END TIME 11:15
pH 8.11 TEMP 19.5 DEG °C
DISSOLVED O2 2.0 PPM SPECIFIC CONDUCTIVITY 250 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 8.10 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED 25.5 GAL

pH 8.24 TEMP 19.0 DEG °C
DISSOLVED O2 1.9 PPM SPECIFIC CONDUCTIVITY 250 us/cm

COMMENTS:_____

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG M-4
MW# 9
NJDEP ID# 2932573
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE 8/15/97 WEATHER HAZY 80'S

ELEVATION OF CASING SURVEY MARK 9.93
DTW 6.10
DEPTH OF WELL 20.05
HEIGHT OF WATER 13.95
13.95 X 0.65 X ___3___ = 27.20
GAL OF H2O TO BE EVACUATED 27.20 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) __PERISTALIC__
PURGE RATE 0.3 GPM
Hnu 0 PPM

PURGE START TIME 9:15
pH 8.54 TEMP 23.8 DEG °C
DISSOLVED O2 3.4 PPM SPECIFIC CONDUCTIVITY 300 us/cm

PURGE END TIME 10:46
pH 8.41 TEMP 24.0 DEG °C
DISSOLVED O2 3.2 PPM SPECIFIC CONDUCTIVITY 250 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 6.30 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED 27.30 GAL

pH 8.39 TEMP 24.2 DEG °C
DISSOLVED O2 3.1 PPM SPECIFIC CONDUCTIVITY 250 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 **v01719.d**
Operator **Skelton**
Date Acquired **08/19/19 -1:3:**

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

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Data File Name **v01720.d**
Operator **Skelton**
Date Acquired **08/19/19 -1:4:**

Sample Name **2906.01**
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

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Data File Name **v01721.d**
Operator **Skelton**
Date Acquired **08/19/19 -1:5:**

Sample Name **2906.02**
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

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Data File Name **v01725.d**
Operator **Skelton**
Date Acquired **08/19/19 -1:8:**

Sample Name **2906.04**
Field ID **M-4 MW7**
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

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Data File Name **v01726.d**
Operator **Skelton**
Date Acquired **08/19/19 -1:9:**

Sample Name **2906.05**
Field ID **M-4 MW8**
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

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Data File Name	**v01724.d**	Sample Name	**2906.03**
Operator	**Skelton**	Field ID	**M-4 MW9**
Date Acquired	**08/19/19 -1:7:**	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

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Data File Name **V01727.D**
Operator **Skelton**
Date Acquired **08/19/19 -1:0:**

Sample Name **2906.06**
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.: 2906 Location M-4 SDG No.:

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

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01719.D

Level: (low/med) LOW Date Received: 08/15/97

% Moisture: not dec. Date Analyzed: 08/19/97

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.: 2906 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2906.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01720.D

Level: (low/med) LOW Date Received: 08/15/97

% Moisture: not dec. Date Analyzed: 08/19/97

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

Field Blank

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2906 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2906.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01721.D

Level: (low/med) LOW Date Received: 08/15/97

% Moisture: not dec. Date Analyzed: 08/19/97

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

MW7

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2906 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2906.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01725.D

Level: (low/med) LOW Date Received: 08/15/97

% Moisture: not dec. Date Analyzed: 08/19/97

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.	unknown hydrocarbon	13.86	12	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW8

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2906 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2906.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01726.D

Level: (low/med) LOW Date Received: 08/15/97

% Moisture: not dec. Date Analyzed: 08/19/97

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.	unknown hydrocarbon	13.86	7	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW9

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2906 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2906.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01724.D

Level: (low/med) LOW Date Received: 08/15/97

% Moisture: not dec. Date Analyzed: 08/19/97

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

Field Dup

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2906 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2906.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01727.D

Level: (low/med) LOW Date Received: 08/15/97

% Moisture: not dec. Date Analyzed: 08/19/97

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.	unknown hydrocarbon	13.86	13	J

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

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

Data File Name	bn0417.d	Sample Name	Extraction Blank
Operator	Skelton	Field ID	08/18/97
Date Acquired	08/28/97 16:07	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	20.34	2881119	38.66 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	

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

Data File Name	bn0437.d	Sample Name	2906.02
Operator	Skelton	Field ID	Field Blank
Date Acquired	08/29/97 08:09	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	20.34	3303489	37.96 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	bn0439.d	Sample Name	2906.04
Operator	Skelton	Field ID	M4 MW7
Date Acquired	08/29/97 09:46	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	20.36	5614766	60.77 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	bn0440.d	Sample Name	2906.05
Operator	Skelton	Field ID	M4 MW8
Date Acquired	08/29/97 10:37	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	20.35	4959000	56.16 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	bn0438.d	Sample Name	2906.03
Operator	Skelton	Field ID	M4 MW9
Date Acquired	08/29/97 08:58	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	20.35	4631221	50.51 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	bn0441.d	Sample Name	2906.06
Operator	Skelton	Field ID	Field Dup
Date Acquired	08/29/97 11:27	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	20.35	4234800	46.61 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

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

SBLK

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2906 Location M-4 SDG No.: _____

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

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0417.D

Level: (low/med) LOW Date Received: 08/15/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 08/28/97

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.	unknown hydrocarbon	5.08	33	J
2.	unknown	23.85	9	J
3.	unknown	27.02	27	J
4.	unknown	27.35	9	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Field Blank

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2906 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2906.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0437.D

Level: (low/med) LOW Date Received: 08/15/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 08/29/97

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	23.85	9	J
2.	unknown	27.01	30	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW7

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2906 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2906.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0439.D

Level: (low/med) LOW Date Received: 08/15/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 08/29/97

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	27.01	22	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW8

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2906 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2906.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0440.D

Level: (low/med) LOW Date Received: 08/15/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 08/29/97

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	27.01	28	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW9

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2906 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2906.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0438.D

Level: (low/med) LOW Date Received: 08/15/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 08/29/97

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	27.01	29	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Field Dup

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2906 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2906.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0441.D

Level: (low/med) LOW Date Received: 08/15/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 08/29/97

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	27.01	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:**	8/18/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/16/97
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 # :**	2906.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/15/97
	Bldg. 173	**Extraction Date:**	8/18/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/16/97

Analysis:	EPA Method 608	**Location :**	M-4
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 # :**	2906.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/15/97
	Bldg. 173	**Extraction Date:**	8/18/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/16/97

Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-7
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 # :**	2906.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/15/97
	Bldg. 173	**Extraction Date:**	8/18/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/17/97

Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-8
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 # :**	2906.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/15/97
	Bldg. 173	**Extraction Date:**	8/18/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/16/97

Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-9
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 # :**	2906.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/15/97
	Bldg. 173	**Extraction Date:**	8/18/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/17/97

Analysis:	EPA Method 608	**Location :**	M-4
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-4
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	08/21/97	ND	0.5	200
Antimony	10/23/97	ND	0.5	20
Arsenic	09/02/97	ND	1.0	8
Barium	12/02/97	ND	30.0	200
Beryllium	08/28/97	ND	0.06	20
Cadmium	10/23/97	ND	2.0	4
Calcium	10/23/97	ND	30.0	NA
Chromium	12/01/97	48.0	7.0	100
Cobalt	10/23/97	ND	20.0	NA
Copper	09/05/97	ND	3.0	1000
Iron	08/27/97	ND	10.0	300
Lead	08/27/97	ND	0.5	10
Manganese	08/27/97	7.0	5.0	50
Magnesium	12/01/97	ND	50.0	NA
Mercury	09/03/97	ND	0.2	2
Nickel	09/09/97	ND	10.0	100
Potassium	11/13/97	ND	40.0	NA
Selenium	12/09/97	ND	3.0	50
Silver	09/02/97	ND	3.0	20
Sodium	11/14/97	ND	10.0	50000
Thallium	10/24/97	ND	1.0	10
Vanadium	12/02/97	ND	200.0	NA
Zinc	09/05/97	ND	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, 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 #: 2906.02
Sample Received: 8/15/97
Sample Matrix: Aqueous

Site: M-4
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	08/21/97	7.8	0.5	200
Antimony	10/23/97	ND	0.5	20
Arsenic	09/02/97	ND	1.0	8
Barium	12/02/97	50.0	30.0	200
Beryllium	08/28/97	ND	0.06	20
Cadmium	10/23/97	ND	2.0	4
Calcium	10/23/97	100.0	30.0	NA
Chromium	12/01/97	78.0	7.0	100
Cobalt	10/23/97	ND	20.0	NA
Copper	09/05/97	6.0	3.0	1000
Iron	08/27/97	30.0	10.0	300
Lead	08/27/97	0.9	0.5	10
Manganese	08/27/97	12.0	5.0	50
Magnesium	12/01/97	50.0	50.0	NA
Mercury	09/03/97	ND	0.2	2
Nickel	09/09/97	ND	10.0	100
Potassium	11/13/97	50.0	40.0	NA
Selenium	12/09/97	ND	3.0	50
Silver	09/02/97	ND	3.0	20
Sodium	11/14/97	590.0	10.0	50000
Thallium	10/24/97	ND	1.0	10
Vanadium	12/02/97	200.0	200.0	NA
Zinc	09/05/97	ND	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, 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 #: 2906.04
Sample Received: 8/15/97
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW-7

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	08/21/97	620.3	0.5	200
Antimony	10/23/97	1.1	0.5	20
Arsenic	09/02/97	ND	1.0	8
Barium	12/02/97	100.0	30.0	200
Beryllium	08/28/97	0.52	0.06	20
Cadmium	10/23/97	ND	2.0	4
Calcium	10/23/97	15440.0	30.0	NA
Chromium	12/01/97	89.0	7.0	100
Cobalt	10/23/97	ND	20.0	NA
Copper	09/05/97	6.0	3.0	1000
Iron	08/27/97	820.0	10.0	300
Lead	08/27/97	0.5	0.5	10
Manganese	08/27/97	81.0	5.0	50
Magnesium	12/01/97	7070.0	50.0	NA
Mercury	09/03/97	ND	0.2	2
Nickel	09/09/97	ND	10.0	100
Potassium	11/13/97	2220.0	40.0	NA
Selenium	12/09/97	ND	3.0	50
Silver	09/02/97	ND	3.0	20
Sodium	11/14/97	55150.0	10.0	50000
Thallium	10/24/97	ND	1.0	10
Vanadium	12/02/97	300.0	200.0	NA
Zinc	09/05/97	42.0	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, 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 #: 2906.05
Sample Received: 8/15/97
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW-8

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	08/21/97	34.2	0.5	200
Antimony	10/23/97	1.3	0.5	20
Arsenic	09/02/97	ND	1.0	8
Barium	12/02/97	70.0	30.0	200
Beryllium	08/28/97	ND	0.06	20
Cadmium	10/23/97	ND	2.0	4
Calcium	10/23/97	33340.0	30.0	NA
Chromium	12/01/97	90.0	7.0	100
Cobalt	10/23/97	ND	20.0	NA
Copper	09/05/97	6.0	3.0	1000
Iron	08/27/97	13760.0	10.0	300
Lead	08/27/97	1.0	0.5	10
Manganese	08/27/97	125.0	5.0	50
Magnesium	12/01/97	5840.0	50.0	NA
Mercury	09/03/97	ND	0.2	2
Nickel	09/09/97	ND	10.0	100
Potassium	11/13/97	6090.0	40.0	NA
Selenium	12/09/97	ND	3.0	50
Silver	09/02/97	ND	3.0	20
Sodium	11/14/97	10750.0	10.0	50000
Thallium	10/24/97	ND	1.0	10
Vanadium	12/02/97	300.0	200.0	NA
Zinc	09/05/97	ND	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, 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 #: 2906.03
Sample Received: 8/15/97
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW-9

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	08/21/97	101.6	0.5	200
Antimony	10/23/97	ND	0.5	20
Arsenic	09/02/97	ND	1.0	8
Barium	12/02/97	130.0	30.0	200
Beryllium	08/28/97	ND	0.06	20
Cadmium	10/23/97	ND	2.0	4
Calcium	10/23/97	40010.0	30.0	NA
Chromium	12/01/97	68.0	7.0	100
Cobalt	10/23/97	ND	20.0	NA
Copper	09/05/97	8.0	3.0	1000
Iron	08/27/97	7170.0	10.0	300
Lead	08/27/97	ND	0.5	10
Manganese	08/27/97	64.0	5.0	50
Magnesium	12/01/97	6070.0	50.0	NA
Mercury	09/03/97	ND	0.2	2
Nickel	09/09/97	ND	10.0	100
Potassium	11/13/97	7600.0	40.0	NA
Selenium	12/09/97	ND	3.0	50
Silver	09/02/97	ND	3.0	20
Sodium	11/14/97	8270.0	10.0	50000
Thallium	10/24/97	ND	1.0	10
Vanadium	12/02/97	300.0	200.0	NA
Zinc	09/05/97	ND	2.0	5000

ND = Not Detected, MDL = Method Detection Limit, 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 #: 2906.06
Sample Received: 8/15/97
Sample Matrix: Aqueous

Site: M-4
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	08/21/97	60.2	0.5	200
Antimony	10/23/97	ND	0.5	20
Arsenic	09/02/97	ND	1.0	8
Barium	12/02/97	100.0	30.0	200
Beryllium	08/28/97	ND	0.06	20
Cadmium	10/23/97	ND	2.0	4
Calcium	10/23/97	32790.0	30.0	NA
Chromium	12/01/97	99.0	7.0	100
Cobalt	10/23/97	ND	20.0	NA
Copper	09/05/97	3.0	3.0	1000
Iron	08/27/97	12610.0	10.0	300
Lead	08/27/97	0.8	0.5	10
Manganese	08/27/97	128.0	5.0	50
Magnesium	12/01/97	5790.0	50.0	NA
Mercury	09/03/97	ND	0.2	2
Nickel	09/09/97	ND	10.0	100
Potassium	11/13/97	6060.0	40.0	NA
Selenium	12/09/97	ND	3.0	50
Silver	09/02/97	ND	3.0	20
Sodium	11/14/97	10790.0	10.0	50000
Thallium	10/24/97	ND	1.0	10
Vanadium	12/02/97	300.0	200.0	NA
Zinc	09/05/97	ND	2.0	5000

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

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-4

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3107.04	MW-07	29-32571	10/24/97
3107.05	MW-08	29-32572	10/24/97
3107.03	MW-09	29-32573	10/24/97

NJDEP Laboratory Certification # 13461

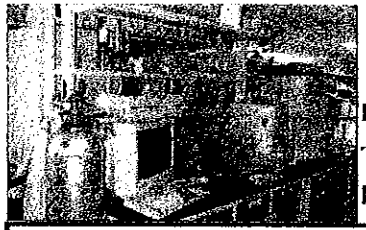
Report Date: 8 January,1998

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 #: X26773
(X)DERA ( )OMA ( )Other:
Project No:
Location: M-4
Samplers Name / Company : Ray Pogwist / TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA + 15	TAL Metals	TCL BNA + 25	TCL Pest/PCB					Remarks / Preservation Method
310701	Trip Blank	10/24/97	0800	AQ	2	X								VOA - HCl
.02	Field Blank		1000		5	X	X	X	X					Metals - HNO_3
.03	MW9 # 2932573		1115		5	X	X	X	X					All Samples Kept < 4°C
.04	MW7 # 2932571		1100		5	X	X	X	X					
.05	MW8 # 2932572		1505		5	X	X	X	X					
.06	Field Dup		—		5	X	X	X	X					

Comments:

Relinquished by (signature)	Date/Time:	Received by (signature)	Relinquished by (signature)	Date/Time:	Received by (signature)
Ray L. Pogwist	10/24/97	10-24-97			
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.xls10/17/97

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE: M-4
MW# 7
NJDEP ID# 2932571
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLE: RAY POGWIST

DATE: 10/24/97 WEATHER: SUNNY 50'S

ELEVATION OF CASING SURVEY MARK: 10.68
DTW: 9.70
DEPTH OF WELL: 17.90
HEIGHT OF WATER 8.10
8.10 X 0.65 X ____3____ = 15.8
GAL OF H2O TO BE EVACUATED 15.8 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) __PERISTALIC___
PURGE RATE 0.2 GPM
Hnu READING 0

PURGE START TIME: 9:40
pH: 4.62 TEMP 15.6 DEG °C
DISSOLVED O2 2.9 PPM SPECIFIC CONDUCTIVITY 240 us/cm

PURGE END TIME: 10:59
pH: 7.65 TEMP 17.0 DEG °C
DISSOLVED O2 2.7 PPM SPECIFIC CONDUCTIVITY 160 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 10.35 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 15.8 GAL

pH: 7.68 TEMP 17.1 DEG °C
DISSOLVED O2 2.6 PPM SPECIFIC CONDUCTIVITY 160 us/cm

COMMENTS:_____

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: M-4
MW#: 8
NJDEP ID#: 2932572
NJDEP CERT#: 13461
SAMPLING CONTRATOR: TVS
SAMPLER: RAY POGWIST

DATE: 10/24/97 WEATHER: SUNNY 50'S

ELEVATION OF CASING SURVEY MARK: 69.93
DTW: 7.60
DEPTH OF WELL: 19.90
HEIGHT OF WATER: 12.3
12.3 X 0.65 X 3 = 23.985
GAL OF H2O TO BE EVACUATED: 24.0
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: 8.46 TEMP IN ° C: 18.3
DISSOLVED O_2 IN PPM: 2.6 SPECIFIC CONDUCTIVITY IN us/cm: 200

PURGE END TIME: 15:00
pH: 8.81 TEMP IN °C: 16.4
DISSOLVED O_2 IN PPM: 3.3 SPECIFIC CONDUCTIVITY IN us/cm: 220

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING IN FT: 8.20
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED IN GAL.: 24.0

pH: 8.85 TEMP IN °C: 16.4
DISSOLVED O_2 IN PPM: 3.4 SPECIFIC CONDUCTIVITY IN us/cm: 220

COMMENTS:_____

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: M-4
MW#: 9
NJDEP ID#: 2932573
NJDEP CERT#: 13461
SAMPLING CONTRATOR: TVS
SAMPLER: RAY POGWIST

DATE: 10//24/97 WEATHER: SUNNY 50'S

ELEVATION OF CASING SURVEY MARK: 69.93
DTW: 6.75
DEPTH OF WELL: 20.05
HEIGHT OF WATER: 13.30
13.3 X 0.65 X 3 = 25.935
GAL OF H2O TO BE EVACUATED: 26
PURGE METHOD (FLOW OF >0.5 TO <5.0 GPM) : PERISTALTIC
PURGE RATE IN GPM: 0.25
Hnu in PPM: 0

PURGE START TIME: 9:20
pH: 6.39 TEMP IN ° C: 14.1
DISSOLVED O_2 IN PPM: 2.3 SPECIFIC CONDUCTIVITY IN us/cm: 220

PURGE END TIME: 11:14
pH: 7.42 TEMP IN °C: 15.2
DISSOLVED O_2 IN PPM: 2.9 SPECIFIC CONDUCTIVITY IN us/cm: 220

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING IN FT: 7.45
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED IN GAL.: 26.0

pH: 7.45 TEMP IN °C: 15.2
DISSOLVED O_2 IN PPM: 2.8 SPECIFIC CONDUCTIVITY IN us/cm: 220

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	v02307.d	Sample Name	Daily Blank
Operator	Skelton	Field ID	Daily Blank
Date Acquired	10/28/19 -1:0:	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	**v02327.d**	Sample Name	**Daily Blank**
Operator	**Skelton**	Field ID	**Daily Blank**
Date Acquired	**10/31/19 -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			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	**v02309.d**	Sample Name	**3107.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**10/28/19 -1:2:**	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	v02310.d	Sample Name	3107.02
Operator	Skelton	Field ID	Field Blank
Date Acquired	10/28/19 -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			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	v02333.d	Sample Name	3107.04
Operator	Skelton	Field ID	MW7
Date Acquired	10/31/19 -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			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	v02334.d	Sample Name	3107.05
Operator	Skelton	Field ID	MW8
Date Acquired	10/31/19 -1:4:	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	**v02332.d**	Sample Name	**3107.03**
Operator	**Skelton**	Field ID	**MW9**
Date Acquired	**10/31/19 -1:2:**	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	**V02335.D**	Sample Name	**3107.06**
Operator	**Skelton**	Field ID	**Field Dup**
Date Acquired	**10/31/19 -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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Daily Blank

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3107 Location M-4 SDG No.:

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

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02307.D

Level: (low/med) LOW Date Received: 10/24/97

% Moisture: not dec. Date Analyzed: 10/28/97

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

Daily Blank

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3107 Location M-4 SDG No.:

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

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02327.D

Level: (low/med) LOW Date Received: 10/24/97

% Moisture: not dec. Date Analyzed: 10/31/97

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.: 3107 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3107.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02309.D

Level: (low/med) LOW Date Received: 10/24/97

% Moisture: not dec. Date Analyzed: 10/28/97

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.: 3107 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3107.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02310.D

Level: (low/med) LOW Date Received: 10/24/97

% Moisture: not dec. Date Analyzed: 10/28/97

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

MW7

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3107 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3107.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02333.D

Level: (low/med) LOW Date Received: 10/24/97

% Moisture: not dec. Date Analyzed: 10/31/97

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	13.82	10	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW8

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3107 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3107.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02334.D

Level: (low/med) LOW Date Received: 10/24/97

% Moisture: not dec. Date Analyzed: 10/31/97

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

MW9

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3107 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3107.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02332.D

Level: (low/med) LOW Date Received: 10/24/97

% Moisture: not dec. Date Analyzed: 10/31/97

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	13.84	14	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Field Dup

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3107 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3107.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02335.D

Level: (low/med) LOW Date Received: 10/24/97

% Moisture: not dec. Date Analyzed: 10/31/97

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

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Data File Name	**bn0663.d**	Sample Name	**SBLK01**
Operator	**Skelton**	Field ID	**10/30/97**
Date Acquired	**11/ 5/97 11:00**	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	20.30	1592043	7.92 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	

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Data File Name	**bn0672.d**	Sample Name	**3107.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**11/ 5/97 17:36**	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	20.30	1075251	8.15 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	

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Data File Name	**bn0674.d**	Sample Name	**3107.04**
Operator	**Skelton**	Field ID	**MW7**
Date Acquired	**11/ 5/97 19:01**	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	20.30	342024	2.28 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	

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Data File Name	bn0675.d	Sample Name	3107.05
Operator	Skelton	Field ID	MW8
Date Acquired	11/ 5/97 19:43	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	20.30	1025045	6.42 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	25.29	98792	1.34 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	**bn0673.d**	Sample Name	**3107.03**
Operator	**Skelton**	Field ID	**MW9**
Date Acquired	**11/ 5/97 18:19**	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	20.30	1574495	11.15 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	bn0676.d	Sample Name	3107.06
Operator	Skelton	Field ID	Field Dup
Date Acquired	11/ 5/97 20:25	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	20.30	1896277	13.04 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	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

SBLK01

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3107 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: SBLK01

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0663.D

Level: (low/med) LOW Date Received: 10/24/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 11/05/97

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	5.03	17	J
2. 000103-23-1	Hexanedioic acid, bis(2-ethylhex	24.11	22	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Field Blank

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3107 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3107.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0672.D

Level: (low/med) LOW Date Received: 10/24/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 11/05/97

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	5.06	39	JN
2.	unknown hydrocarbon	16.45	9	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW7

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3107 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3107.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0674.D

Level: (low/med) LOW Date Received: 10/24/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 11/05/97

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. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.06	31	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW8

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3107 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3107.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0675.D

Level: (low/med) LOW Date Received: 10/24/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 11/05/97

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	5.07	42	JN
2. 000084-74-2	Dibutyl phthalate	19.37	11	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW9

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3107 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3107.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0673.D

Level: (low/med) LOW Date Received: 10/24/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 11/05/97

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. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.06	34	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Field Dup

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3107 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3107.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0676.D

Level: (low/med) LOW Date Received: 10/24/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 11/05/97

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	5.06	39	J
2.	unknown hydrocarbon	16.45	8	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:**	
	Bldg. 173	**Extraction Date:**	10/29/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/2/97
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 # :**	3107.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/24/97
	Bldg. 173	**Extraction Date:**	10/29/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/2/97

Analysis:	EPA Method 608	**Location :**	M-4
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 # :**	3107.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/24/97
	Bldg. 173	**Extraction Date:**	10/29/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/3/97

Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-7
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 # :**	3107.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/24/97
	Bldg. 173	**Extraction Date:**	10/29/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/3/97

Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-8
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 # :**	3107.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/24/97
	Bldg. 173	**Extraction Date:**	10/29/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/2/97

Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-9
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 # :**	3107.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/24/97
	Bldg. 173	**Extraction Date:**	10/29/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/3/97

Analysis:	EPA Method 608	**Location :**	M-4
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-4
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	11/10/97	ND	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 #: 3107.02
Sample Received: 10/24/97
Sample Matrix: Aqueous

Site: M-4
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	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	2.8	2000	1.0
Beryllium	01/28/98	ND	20	1.0
Cadmium	01/28/98	5.8	4	1.0
Calcium	01/28/98	1720.0	NLE	20.0
Chromium	01/28/98	1.7	100	1.0
Cobalt	01/28/98	ND	NLE	1.0
Copper	01/28/98	8.0	1000	6.0
Iron	01/28/98	229.0	300	10.0
Lead	01/28/98	96.0	10	4.0
Magnesium	01/28/98	230.0	NLE	20.0
Manganese	01/28/98	9.0	50	1.0
Mercury	11/10/97	ND	2	0.2
Nickel	01/28/98	2.7	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	840.0	50000	20.0
Thallium	01/28/98	ND	10	6.0
Vanadium	01/28/98	ND	NLE	2.0
Zinc	01/28/98	62.0	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 #: 3107.04
Sample Received: 10/24/97
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW-7

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	01/28/98	559.0	200	20.0
Antimony	01/28/98	ND	20	4.0
Arsenic	01/28/98	ND	8	4.0
Barium	01/28/98	83.6	2000	1.0
Beryllium	01/28/98	ND	20	1.0
Cadmium	01/28/98	ND	4	1.0
Calcium	01/28/98	9680.0	NLE	20.0
Chromium	01/28/98	1.8	100	1.0
Cobalt	01/28/98	2.3	NLE	1.0
Copper	01/28/98	12.0	1000	6.0
Iron	01/28/98	2491.0	300	10.0
Lead	01/28/98	20.0	10	4.0
Magnesium	01/28/98	5530.0	NLE	20.0
Manganese	01/28/98	50.3	50	1.0
Mercury	11/10/97	ND	2	0.2
Nickel	01/28/98	7.8	100	1.0
Potassium	01/28/98	3730.0	NLE	20.0
Selenium	01/28/98	ND	50	6.0
Silver	01/28/98	ND	20	6.0
Sodium	01/28/98	17860.0	50000	20.0
Thallium	01/28/98	ND	10	6.0
Vanadium	01/28/98	ND	NLE	2.0
Zinc	01/28/98	75.0	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 #: 3107.05
Sample Received: 10/24/97
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW-8

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	01/28/98	113.0	200	20.0
Antimony	01/28/98	ND	20	4.0
Arsenic	01/28/98	ND	8	4.0
Barium	01/28/98	29.5	2000	1.0
Beryllium	01/28/98	ND	20	1.0
Cadmium	01/28/98	ND	4	1.0
Calcium	01/28/98	35680.0	NLE	20.0
Chromium	01/28/98	1.2	100	1.0
Cobalt	01/28/98	ND	NLE	1.0
Copper	01/28/98	11.0	1000	6.0
Iron	01/28/98	11060.0	300	10.0
Lead	01/28/98	18.0	10	4.0
Magnesium	01/28/98	6120.0	NLE	20.0
Manganese	01/28/98	107.2	50	1.0
Mercury	11/10/97	ND	2	0.2
Nickel	01/28/98	ND	100	1.0
Potassium	01/28/98	6730.0	NLE	20.0
Selenium	01/28/98	ND	50	6.0
Silver	01/28/98	ND	20	6.0
Sodium	01/28/98	15360.0	50000	20.0
Thallium	01/28/98	ND	10	6.0
Vanadium	01/28/98	ND	NLE	2.0
Zinc	01/28/98	53.0	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 #: 3107.03
Sample Received: 10/24/97
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW-9

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	01/28/98	107.0	200	20.0
Antimony	01/28/98	ND	20	4.0
Arsenic	01/28/98	ND	8	4.0
Barium	01/28/98	46.7	2000	1.0
Beryllium	01/28/98	ND	20	1.0
Cadmium	01/28/98	ND	4	1.0
Calcium	01/28/98	42140.0	NLE	20.0
Chromium	01/28/98	1.4	100	1.0
Cobalt	01/28/98	ND	NLE	1.0
Copper	01/28/98	11.0	1000	6.0
Iron	01/28/98	14650.0	300	10.0
Lead	01/28/98	9.0	10	4.0
Magnesium	01/28/98	5340.0	NLE	20.0
Manganese	01/28/98	76.5	50	1.0
Mercury	11/10/97	ND	2	0.2
Nickel	01/28/98	1.5	100	1.0
Potassium	01/28/98	8160.0	NLE	20.0
Selenium	01/28/98	ND	50	6.0
Silver	01/28/98	ND	20	6.0
Sodium	01/28/98	9800.0	50000	20.0
Thallium	01/28/98	ND	10	6.0
Vanadium	01/28/98	ND	NLE	2.0
Zinc	01/28/98	52.0	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 #: 3107.06
Sample Received: 10/24/97
Sample Matrix: Aqueous

Site: M-4
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	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	28.6	2000	1.0
Beryllium	01/28/98	ND	20	1.0
Cadmium	01/28/98	ND	4	1.0
Calcium	01/28/98	36630.0	NLE	20.0
Chromium	01/28/98	1.3	100	1.0
Cobalt	01/28/98	ND	NLE	1.0
Copper	01/28/98	12.0	1000	6.0
Iron	01/28/98	11440.0	300	10.0
Lead	01/28/98	9.0	10	4.0
Magnesium	01/28/98	6220.0	NLE	20.0
Manganese	01/28/98	109.9	50	1.0
Mercury	11/10/97	ND	2	0.2
Nickel	01/28/98	ND	100	1.0
Potassium	01/28/98	6920.0	NLE	20.0
Selenium	01/28/98	ND	50	6.0
Silver	01/28/98	ND	20	6.0
Sodium	01/28/98	15310.0	50000	20.0
Thallium	01/28/98	ND	10	6.0
Vanadium	01/28/98	ND	NLE	2.0
Zinc	01/28/98	41.0	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-4

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3347.03	MW-07	29-32571	02/18/98
3347.04	MW-08	29-32572	02/18/98
3347.05	MW-09	29-32573	02/18/98

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 (732)532-4359 Fax (732)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: M-4
Samplers Name / Company: Ray Pogwist / TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA + 15	TAL METALS	BNA + 25	PCB/PCB					Remarks / Preservation Method
3347 01	TRip Blank	2/18/98	0900	AQ	2	X								All Samples KEPT<4°C
02	Field Blank		1000		5	X	X	X	X					VOA - HCl <2pH
03	MW7 # 2932571		1135											Metals - HNO_3 <2pH
04	MW8 # 2932572		1035											
05	MW9 # 2932573		1100											
06	Field Dup		—											

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Ray C. Pogwist	2/18/98 1445	J. Verzyllus			
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

~me2b39.xls2/11/98

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE M-4
MW# 7
NJDEP ID# 2932571
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE 2/18/98 WEATHER FOGGY 40'S

ELEVATION OF CASING SURVEY MARK 14.83
DTW 6.40
DEPTH OF WELL 17.80
HEIGHT OF WATER 11.4
11.4 X 0.65 X 3 = 22.23
GAL OF H2O TO BE EVACUATED 22.4 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) PERISTALIC
PURGE RATE 0.2 GPM
Hnu READING 0

PURGE START TIME 9:45
pH 7.36 TEMP 10.3 DEG °C
DISSOLVED O2 4.2 PPM SPECIFIC CONDUCTIVITY 110 us/cm

PURGE END TIME 11:33
pH 6.81 TEMP 10.4 DEG °C
DISSOLVED O2 4.1 PPM SPECIFIC CONDUCTIVITY 90 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 6.75 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 22.4 GAL

pH 6.78 TEMP 10.4 DEG °C
DISSOLVED O2 4.1 PPM SPECIFIC CONDUCTIVITY 90 us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE M-4
MW# 8
NJDEP ID# 2932572
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE 2/18/98 WEATHER FOGGY 40'S

ELEVATION OF CASING SURVEY MARK 9.68
DTW 5.95
DEPTH OF WELL 19.90
HEIGHT OF WATER 13.95
13.95 X 0.65 X 3 = 27.20
GAL OF H2O TO BE EVACUATED 27.3 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) PERISTALIC
PURGE RATE 0.3 GPM
Hnu READING 0

PURGE START TIME 9:00
pH 7.05 TEMP 10.9 DEG °C
DISSOLVED O2 2.1 PPM SPECIFIC CONDUCTIVITY 100 us/cm

PURGE END TIME 10:31
pH 6.49 TEMP 12.2 DEG °C
DISSOLVED O2 1.5 PPM SPECIFIC CONDUCTIVITY 100 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 7.20 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 27.3 GAL

pH 6.45 TEMP 12.2 DEG °C
DISSOLVED O2 1.4 PPM SPECIFIC CONDUCTIVITY 100 us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE M-4
MW# 9
NJDEP ID# 2932573
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE 2/18/98 WEATHER FOGGY 40'S

ELEVATION OF CASING SURVEY MARK 9.93
DTW 4.99
DEPTH OF WELL 20.05
HEIGHT OF WATER 15.06
15.06 X 0.65 X ___3___ = 29.367
GAL OF H2O TO BE EVACUATED 29.367 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) PERISTALIC
PURGE RATE 0.3 GPM
Hnu READING 0

PURGE START TIME 9:20
pH 8.38 TEMP 10.1 DEG °C
DISSOLVED O2 2.1 PPM SPECIFIC CONDUCTIVITY 110 us/cm

PURGE END TIME 10:58
pH 6.65 TEMP 12.1 DEG °C
DISSOLVED O2 1.8 PPM SPECIFIC CONDUCTIVITY 100 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 5.40 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 29.4 GAL

pH 6.60 TEMP 12.1 DEG °C
DISSOLVED O2 1.7 PPM SPECIFIC CONDUCTIVITY 100 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	v03015.d	Sample Name	VBLK26
Operator	Skelton	Field ID	VBLK26
Date Acquired	23 Feb 1998 11:06	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	**v03018.d**	Sample Name	**3347.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**23 Feb 1998 13:39**	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	v03019.d	Sample Name	3347.02
Operator	Skelton	Field ID	Field Blank
Date Acquired	23 Feb 1998 14:27	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	v03020.d	Sample Name	3347.03
Operator	Skelton	Field ID	MW7
Date Acquired	23 Feb 1998 15:15	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	v03021.d	Sample Name	3347.04
Operator	Skelton	Field ID	MW8
Date Acquired	23 Feb 1998 16:02	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	v03022.d	Sample Name	3347.05
Operator	Skelton	Field ID	MW9
Date Acquired	23 Feb 1998 16:48	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	**v03023.d**	Sample Name	**3347.06**
Operator	**Skelton**	Field ID	**Field Dup**
Date Acquired	**23 Feb 1998 17:34**	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

VBLK26

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3347 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: VBLK26

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03015.D

Level: (low/med) LOW Date Received: 02/18/98

% Moisture: not dec. Date Analyzed: 02/23/98

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.: 3347 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3347.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03018.D

Level: (low/med) LOW Date Received: 02/18/98

% Moisture: not dec. Date Analyzed: 02/23/98

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

Field Dup

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3347 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3347.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03019.D

Level: (low/med) LOW Date Received: 02/18/98

% Moisture: not dec. Date Analyzed: 02/23/98

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

MW7

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3347 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3347.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03020.D

Level: (low/med) LOW Date Received: 02/18/98

% Moisture: not dec. Date Analyzed: 02/23/98

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: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	13.82	11	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW8

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3347 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3347.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03021.D

Level: (low/med) LOW Date Received: 02/18/98

% Moisture: not dec. Date Analyzed: 02/23/98

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

MW9

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3347 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3347.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03022.D

Level: (low/med) LOW Date Received: 02/18/98

% Moisture: not dec. Date Analyzed: 02/23/98

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	6.50	8	J
2.	unknown hydrocarbon	13.82	28	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Field Dup

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3347 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3347.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03023.D

Level: (low/med) LOW Date Received: 02/18/98

% Moisture: not dec. Date Analyzed: 02/23/98

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: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown hydrocarbon	13.82	13	J

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

Data File Name	BN1019.D	Sample Name	SBLK 25
Operator	FITZPATRICK	Misc Info	SBLK 25 980219
Date Acquired	02/20/98 14:29	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	BN1019.D	Sample Name	SBLK 25
Operator	FITZPATRICK	Misc Info	SBLK 25 980219
Date Acquired	02/20/98 14:29	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	1592756	19.78 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	25.16	57350	1.46 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	**BN1027.D**	Sample Name	**3347.02**
Operator	**FITZPATRICK**	Misc Info	**FIELD BLANK**
Date Acquired	**02/20/98 20:09**	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	

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Data File Name	BN1027.D	Sample Name	3347.02
Operator	FITZPATRICK	Misc Info	FIELD BLANK
Date Acquired	02/20/98 20:09	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	931860	11.75 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	77872	1.71 ug/L	30	0.51	ug/L	B
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	bn1028.d	Sample Name	3347.03
Operator	FITZPATRICK	Misc Info	MW7
Date Acquired	02/20/98 20:52	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	

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Data File Name	**bn1028.d**	Sample Name	**3347.03**
Operator	**FITZPATRICK**	Misc Info	**MW7**
Date Acquired	**02/20/98 20:52**	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	661672	8.18 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	**bn1029.d**	Sample Name	**3347.04**
Operator	**FITZPATRICK**	Misc Info	**MW8**
Date Acquired	**02/20/98 21:34**	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	

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Data File Name	bn1029.d	Sample Name	3347.04
Operator	FITZPATRICK	Misc Info	MW8
Date Acquired	02/20/98 21:34	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	825867	10.80 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	**bn1030.d**	Sample Name	**3347.05**
Operator	**FITZPATRICK**	Misc Info	**MW9**
Date Acquired	**02/20/98 22:17**	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	**bn1030.d**	Sample Name	**3347.05**
Operator	**FITZPATRICK**	Misc Info	**MW9**
Date Acquired	**02/20/98 22:17**	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	404846	5.14 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	bn1031.d	Sample Name	3347.06
Operator	FITZPATRICK	Misc Info	FIELD DUP
Date Acquired	02/20/98 22:59	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	bn1031.d	Sample Name	3347.06
Operator	FITZPATRICK	Misc Info	FIELD DUP
Date Acquired	02/20/98 22:59	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	787934	9.50 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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

SBLK 25

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3347 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: SBLK 25

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1019.D

Level: (low/med) LOW Date Received: 02/18/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 02/20/98

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.	unknown	3.23	24	J
2.	unknown	4.96	26	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

FIELD BLANK

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3347 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3347.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1027.D

Level: (low/med) LOW Date Received: 02/18/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 02/20/98

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	3.22	22	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.96	28	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW7

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3347 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3347.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1028.D

Level: (low/med) LOW Date Received: 02/18/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 02/20/98

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	12	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.96	23	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW8

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3347 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3347.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1029.D

Level: (low/med) LOW Date Received: 02/18/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 02/20/98

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	3.17	26	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.95	29	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW9

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3347 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3347.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1030.D

Level: (low/med) LOW Date Received: 02/18/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 02/20/98

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	3.16	10	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.95	14	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

FIELD DUP

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3347 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3347.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1031.D

Level: (low/med) LOW Date Received: 02/18/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 02/20/98

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	3.18	9	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.96	16	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:**	2/19/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/17/98
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 # :**	3347.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/18/98
	Bldg. 173	**Extraction Date:**	2/19/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/17/98

Analysis:	EPA Method 608	**Location :**	M-4
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 # :**	3347.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/18/98
	Bldg. 173	**Extraction Date:**	2/19/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/17/98

Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-7
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 # :**	3347.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/18/98
	Bldg. 173	**Extraction Date:**	2/19/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/17/98

Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-8
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 # :**	3347.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/18/98
	Bldg. 173	**Extraction Date:**	2/19/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/17/98

Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-9
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 # :**	3347.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/18/98
	Bldg. 173	**Extraction Date:**	2/19/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/17/98

Analysis:	EPA Method 608	**Location :**	M-4
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: 02/18/98
Sample Matrix: Aqueous

Site: M-4
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	02/19/98	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 #: 3347.02
Sample Received: 02/18/98
Sample Matrix: Aqueous

Site: M-4
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	98	200	20.0
Antimony	03/17/98	ND	20	4.0
Arsenic	03/17/98	ND	8	4.0
Barium	03/17/98	4.4	2000	1.0
Beryllium	03/17/98	ND	20	1.0
Cadmium	03/17/98	ND	4	1.0
Calcium	03/17/98	860	NLE	20.0
Chromium	03/17/98	ND	100	1.0
Cobalt	03/17/98	ND	NLE	1.0
Copper	03/17/98	12	1000	6.0
Iron	03/17/98	95	300	10.0
Lead	03/17/98	ND	10	4.0
Magnesium	03/17/98	150	NLE	20.0
Manganese	03/17/98	4.3	50	1.0
Mercury	02/19/98	ND	2	0.2
Nickel	03/17/98	10	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	1920	50000	20.0
Thallium	03/17/98	ND	10	6.0
Vanadium	03/17/98	ND	NLE	2.0
Zinc	03/17/98	99	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 #: 3347.03
Sample Received: 02/18/98
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW-7

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	03/17/98	538	200	20.0
Antimony	03/17/98	ND	20	4.0
Arsenic	03/17/98	ND	8	4.0
Barium	03/17/98	32.4	2000	1.0
Beryllium	03/17/98	ND	20	1.0
Cadmium	03/17/98	ND	4	1.0
Calcium	03/17/98	13760	NLE	20.0
Chromium	03/17/98	ND	100	1.0
Cobalt	03/17/98	2.8	NLE	1.0
Copper	03/17/98	12	1000	6.0
Iron	03/17/98	163	300	10.0
Lead	03/17/98	ND	10	4.0
Magnesium	03/17/98	4070	NLE	20.0
Manganese	03/17/98	40.7	50	1.0
Mercury	02/19/98	ND	2	0.2
Nickel	03/17/98	7.8	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	27110	50000	20.0
Thallium	03/17/98	ND	10	6.0
Vanadium	03/17/98	ND	NLE	2.0
Zinc	03/17/98	46	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 #: 3347.04
Sample Received: 02/18/98
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW-8

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	03/17/98	128	200	20.0
Antimony	03/17/98	ND	20	4.0
Arsenic	03/17/98	ND	8	4.0
Barium	03/17/98	36	2000	1.0
Beryllium	03/17/98	ND	20	1.0
Cadmium	03/17/98	ND	4	1.0
Calcium	03/17/98	38960	NLE	20.0
Chromium	03/17/98	ND	100	1.0
Cobalt	03/17/98	ND	NLE	1.0
Copper	03/17/98	9.0	1000	6.0
Iron	03/17/98	14930	300	10.0
Lead	03/17/98	ND	10	4.0
Magnesium	03/17/98	5950	NLE	20.0
Manganese	03/17/98	121	50	1.0
Mercury	02/19/98	ND	2	0.2
Nickel	03/17/98	3.4	100	1.0
Potassium	03/17/98	7610	NLE	20.0
Selenium	03/17/98	ND	50	6.0
Silver	03/17/98	ND	20	6.0
Sodium	03/17/98	11960	50000	20.0
Thallium	03/17/98	ND	10	6.0
Vanadium	03/17/98	ND	NLE	2.0
Zinc	03/17/98	12	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 #: 3347.05
Sample Received: 02/18/98
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW-9

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	03/17/98	80	200	20.0
Antimony	03/17/98	ND	20	4.0
Arsenic	03/17/98	ND	8	4.0
Barium	03/17/98	42	2000	1.0
Beryllium	03/17/98	ND	20	1.0
Cadmium	03/17/98	ND	4	1.0
Calcium	03/17/98	44320	NLE	20.0
Chromium	03/17/98	ND	100	1.0
Cobalt	03/17/98	ND	NLE	1.0
Copper	03/17/98	10	1000	6.0
Iron	03/17/98	6019	300	10.0
Lead	03/17/98	ND	10	4.0
Magnesium	03/17/98	5840	NLE	20.0
Manganese	03/17/98	66	50	1.0
Mercury	02/19/98	ND	2	0.2
Nickel	03/17/98	3.5	100	1.0
Potassium	03/17/98	8780	NLE	20.0
Selenium	03/17/98	ND	50	6.0
Silver	03/17/98	ND	20	6.0
Sodium	03/17/98	8370	50000	20.0
Thallium	03/17/98	ND	10	6.0
Vanadium	03/17/98	ND	NLE	2.0
Zinc	03/17/98	43	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 #: 3347.06
Sample Received: 02/18/98
Sample Matrix: Aqueous

Site: M-4
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	117	200	20.0
Antimony	03/17/98	ND	20	4.0
Arsenic	03/17/98	ND	8	4.0
Barium	03/17/98	38	2000	1.0
Beryllium	03/17/98	ND	20	1.0
Cadmium	03/17/98	ND	4	1.0
Calcium	03/17/98	38420	NLE	20.0
Chromium	03/17/98	ND	100	1.0
Cobalt	03/17/98	ND	NLE	1.0
Copper	03/17/98	9.0	1000	6.0
Iron	03/17/98	15740	300	10.0
Lead	03/17/98	ND	10	4.0
Magnesium	03/17/98	5910	NLE	20.0
Manganese	03/17/98	122	50	1.0
Mercury	02/19/98	ND	2	0.2
Nickel	03/17/98	2.0	100	1.0
Potassium	03/17/98	7440	NLE	20.0
Selenium	03/17/98	ND	50	6.0
Silver	03/17/98	ND	20	6.0
Sodium	03/17/98	11030	50000	20.0
Thallium	03/17/98	ND	10	6.0
Vanadium	03/17/98	ND	NLE	2.0
Zinc	03/17/98	38	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-4

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3551.03	MW-07	29-32571	05/06/98
3551.04	MW-08	29-32572	05/06/98
3551.05	MW-09	29-32573	05/06/98

NJDEP Laboratory Certification # 13461

Report Date: 31 July, 1998

7/22/98

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 #: X26223
(✓)DERA ( )OMA ( )Other:_____
Project No:
Location: M-4
Samplers Name / Company : DD / CPM

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA +15	BNA +25	PEST/PCB	TAL METALS				HNU	Remarks / Preservation Method
3551. 01	TRIP BLANK	5/6	0756	AQ	2	✓								
02	FIELD BLANK		1106		5	✓	✓	✓	✓				0	
03	MW 7		1335		5	✓	✓	✓	✓				0	2932571
04	MW 8		1430		5	✓	✓	✓	✓				0	2932572
05	MW 9		1453		5	✓	✓	✓	✓				0	2932573
06	FIELD DUP		—		5	✓	✓	✓	✓					

Comments:

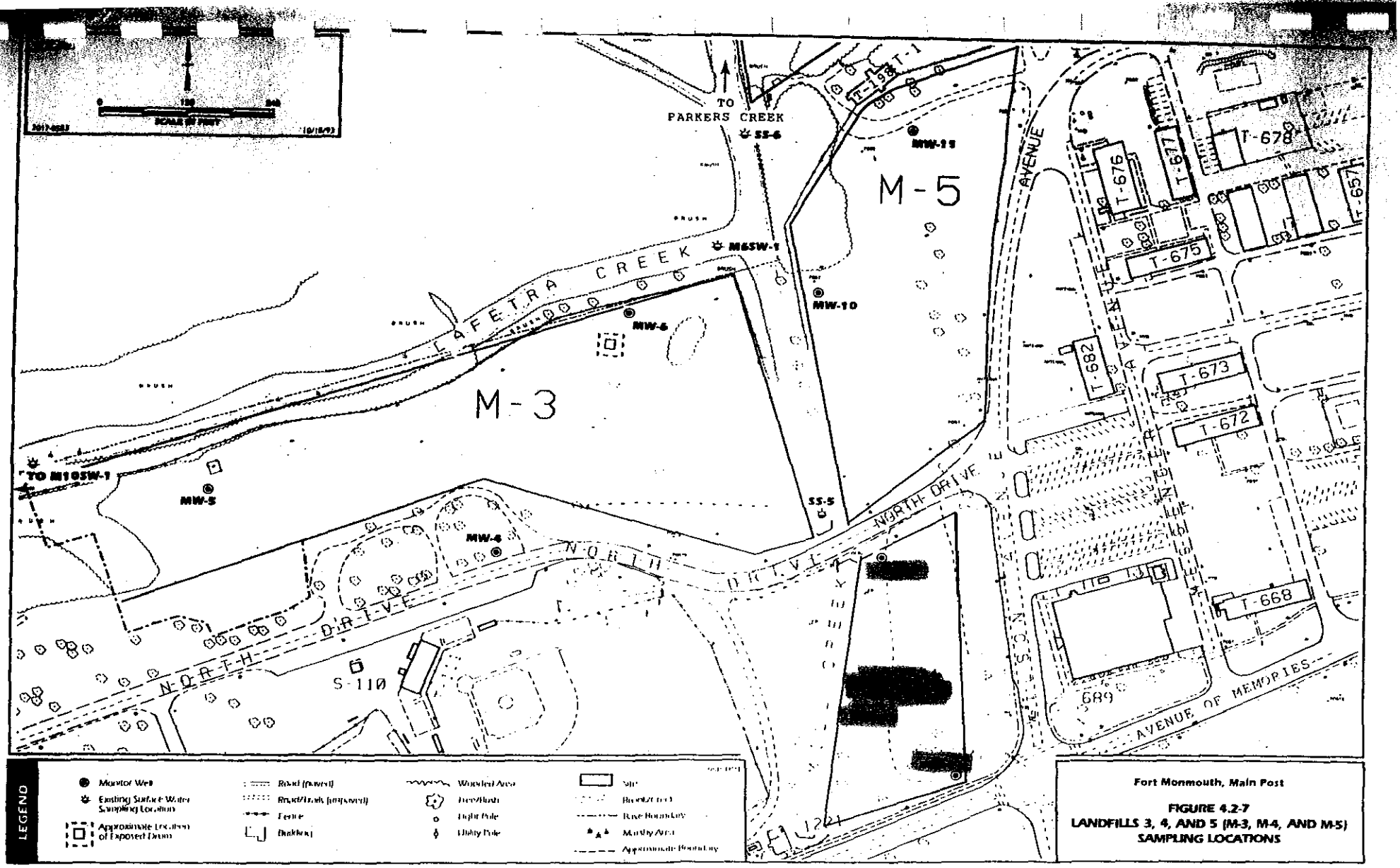
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
D-DO M	5/6/98 1610	J. Oliveira			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (_)Standard, (_)Screen / non-certified
Turnaround time: (_)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

print legibly

coc.XLS3/10/98



Fort Monmouth, Main Post

FIGURE 4.2-7
LANDFILLS 3, 4, AND 5 (M-3, M-4, AND M-5) SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE : M-4
MW# 7
NJDEP ID# 2932571
NJDEP CERT# 13461
SAMPLING CONTRACTOR : TVS
SAMPLE : Corey McCormack

DATE : 5/6/908 WEATHER : Overcast,Rain

ELEVATION OF CASING SURVEY MARK : 10.68
DTW : 6.92 ft
DEPTH OF WELL : 17.90 ft
HEIGHT OF WATER : 10.98 ft
10.98 X 0.65 X 3 = 21.4
GAL OF H2O TO BE EVACUATED : 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) : Peristalic
PURGE RATE 0.12 gpm
Hnu READING : 0.0 ppm

PURGE START TIME : 1035
PH : 6.08 su TEMP : 13.9 °C
DISSOLVED O2 : 4.5 ppm SPECIFIC CONDUCTIVITY : 90 us/cm

PURGE END TIME : 1335
PH : 6.14 su TEMP : 14.5 °C
DISSOLVED O2 : 4.6 ppm SPECIFIC CONDUCTIVITY : 90 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING : 7.10 ft
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED : 22 gal

pH : 6.13 su TEMP : 13.5 °C
DISSOLVED O2 : 6.8 ppm SPECIFIC CONDUCTIVITY : 80 us/cm

COMMENTS : Field Dup

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE : M-4
MW# 8
NJDEP ID# 2932572
NJDEP CERT# 13461
SAMPLING CONTRACTOR : TVS
SAMPLER : Corey McCormack

DATE: 5/6/98 WEATHER: Overcast, Rain

ELEVATION OF CASING SURVEY MARK
DTW: 6.18 ft
DEPTH OF WELL: 19.90
HEIGHT OF WATER: 13.72 ft
13.72 X 0.65 X 3 = 26.75
GAL OF H2O TO BE EVACUATED: 27 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: 1016
pH: 6.92 su TEMP: 14.1°C
DISSOLVED O2: 1.3 ppm SPECIFIC CONDUCTIVITY: 90 us/cm

PURGE END TIME: 1430
pH: 7.18 su TEMP: 14.8 °C
DISSOLVED O2: 2.4 ppm SPECIFIC CONDUCTIVITY: 90 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING: 7.17 ft
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 27 gal

pH: 7.02 su TEMP: 14.3 °C
DISSOLVED O2 : 2.2 ppm SPECIFIC CONDUCTIVITY: 80 us/cm

COMMENTS: Obstruction of some sort in well deep down. Lots of Orange floating material.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE: M-4
MW# 9
NJDEP ID# 2932573
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER: Corey McCormack

DATE: 5/6/98 WEATHER: Overcast, Rain

ELEVATION OF CASING SURVEY MARK
DTW: 5.31 ft
DEPTH OF WELL: 20.05
HEIGHT OF WATER: 14.74 ft
14.74 X 0.65 X 3 = 28.74
GAL OF H2O TO BE EVACUATED: 29 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) : Peristalic
PURGE RATE 0.1 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 0953
pH: 7.55 su TEMP: 14.0 °C
DISSOLVED O2: 1.9 SPECIFIC CONDUCTIVITY: 90 us/cm

PURGE END TIME: 1453
pH: 7.22 su TEMP: 14.7 °C
DISSOLVED O2: 2.1 ppm SPECIFIC CONDUCTIVITY: 90 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING: 6.05 ft
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 29 gal

pH: 7.25 su TEMP: 14.5 °C
DISSOLVED O2: 2.2 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	vb01349.d	Sample Name	VBLK08
Operator	Skelton	Field ID	VBLK08
Date Acquired	11 May 1998 8:05 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	**vb01365.d**	Sample Name	**3551.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**12 May 1998 8:17 am**	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	**vb01366.d**	Sample Name	**3551.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**12 May 1998 9:04 am**	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	10.50	61877	7.55 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	vb01367.d	Sample Name	3551.03
Operator	Skelton	Field ID	MW7
Date Acquired	12 May 1998 9:50 am	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	vb01368.d	Sample Name	3551.04
Operator	Skelton	Field ID	MW8
Date Acquired	12 May 1998 10:36 am	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	**vb01369.d**	Sample Name	**3551.05**
Operator	**Skelton**	Field ID	**MW9**
Date Acquired	**12 May 1998 11:22 am**	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	vb01370.d	Sample Name	3551.06
Operator	Skelton	Field ID	Field Dup
Date Acquired	12 May 1998 12:08 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

VBLK08

Lab Name: FMETL Project 980211

NJDEP# 13461 Case No.: 3551 SDG No _____ Location M-4

Matrix: (soil/water) WATER Lab Sample ID: VBLK08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01349.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: not dec. _____ Date Analyzed: 05/11/98

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

Trip Blank

Lab Name: FMETL Project 980211

NJDEP# 13461 Case No.: 3551 SDG No _____ Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 3551.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01365.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: not dec. _____ Date Analyzed: 05/12/98

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

Field Blank

Lab Name: FMETL Project 980211

NJDEP# 13461 Case No.: 3551 SDG No _____ Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 3551.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01366.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: not dec. _____ Date Analyzed: 05/12/98

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

MW7

Lab Name: FMETL Project 980211

NJDEP# 13461 Case No.: 3551 SDG No _____ Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 3551.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01367.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: not dec. _____ Date Analyzed: 05/12/98

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

MW8

Lab Name: FMETL Project 980211

NJDEP# 13461 Case No.: 3551 SDG No _____ Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 3551.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01368.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: not dec. _____ Date Analyzed: 05/12/98

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

MW9

Lab Name: FMETL Project 980211

NJDEP# 13461 Case No.: 3551 SDG No _____ Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 3551.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01369.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: not dec. _____ Date Analyzed: 05/12/98

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

Field Dup

Lab Name: FMETL Project 980211

NJDEP# 13461 Case No.: 3551 SDG No _____ Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 3551.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01370.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: not dec. _____ Date Analyzed: 05/12/98

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	BN1633.D	Sample Name	SBLK 66
Operator	FITZPATRICK	Misc Info	SBLK 66
Date Acquired	8 May 1998 4:04 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	BN1633.D	Sample Name	SBLK 66
Operator	FITZPATRICK	Misc Info	SBLK 66
Date Acquired	8 May 1998 4:04 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

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

Data File Name	BN1700.D	Sample Name	3551.02
Operator	FITZPATRICK	Misc Info	FIELD BLANK
Date Acquired	21 May 1998 3:17 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	

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Data File Name	BN1700.D	Sample Name	3551.02
Operator	FITZPATRICK	Misc Info	FIELD BLANK
Date Acquired	21 May 1998 3:17 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

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

Data File Name	BN1701.D	Sample Name	3551.03
Operator	FITZPATRICK	Misc Info	MW-7
Date Acquired	21 May 1998 4:08 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	

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Data File Name	**BN1701.D**	Sample Name	**3551.03**
Operator	**FITZPATRICK**	Misc Info	**MW-7**
Date Acquired	**21 May 1998 4:08 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

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

Data File Name	BN1702.D	Sample Name	3551.04
Operator	FITZPATRICK	Misc Info	MW-8
Date Acquired	21 May 1998 4:59 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	

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Data File Name	BN1702.D	Sample Name	3551.04
Operator	FITZPATRICK	Misc Info	MW-8
Date Acquired	21 May 1998 4:59 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	26.88	63563	1.60 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	BN1703.D	Sample Name	3551.05
Operator	FITZPATRICK	Misc Info	MW-9
Date Acquired	21 May 1998 5:49 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	

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Data File Name	BN1703.D	Sample Name	3551.05
Operator	FITZPATRICK	Misc Info	MW-9
Date Acquired	21 May 1998 5:49 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

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

Data File Name	BN1704.D	Sample Name	3551.06
Operator	FITZPATRICK	Misc Info	FIELD DUP
Date Acquired	21 May 1998 6:40 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	BN1704.D	Sample Name	3551.06
Operator	FITZPATRICK	Misc Info	FIELD DUP
Date Acquired	21 May 1998 6:40 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

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

SBLK 66

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3551 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: SBLK 66

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1633.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/08/98

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. 000110-83-8	Cyclohexene	3.49	640	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

FIELD BLANK

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3551 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3551.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1700.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/21/98

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	3.47	850	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW-7

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3551 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3551.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1701.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/21/98

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	3.47	760	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW-8

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3551 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3551.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1702.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/21/98

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. 000110-83-8	Cyclohexene	3.46	680	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW-9

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3551 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3551.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1703.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/21/98

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	3.45	840	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

FIELD DUP

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3551 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3551.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1704.D

Level: (low/med) LOW Date Received: 05/06/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/07/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/21/98

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	3.44	620	JN

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 # :**	3551.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/6/98
	Bldg. 173	**Extraction Date:**	5/8/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/6/98
Analysis:	EPA Method 608	**Location :**	M-4
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 # :**	3551.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/6/98
	Bldg. 173	**Extraction Date:**	5/8/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/6/98
Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW 7
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 # :**	3551.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/6/98
	Bldg. 173	**Extraction Date:**	5/8/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/6/98
Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW 8
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 # :**	3551.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/6/98
	Bldg. 173	**Extraction Date:**	5/8/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/6/98
Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW 9
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 # :**	3551.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/6/98
	Bldg. 173	**Extraction Date:**	5/8/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/6/98
Analysis:	EPA Method 608	**Location :**	M-4
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	0.0030	**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 #: 3551
Sample Received: 05/06/98
Sample Preparation: 05/26/98
Sample Matrix: Aqueous

Site: M-4
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 #: 3551.02
Sample Received: 05/06/98
Sample Matrix: Aqueous

Site: M-4
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	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	42	300	10.0
Lead	05/28/98	ND	10	2.0
Magnesium	05/28/98	ND	NLE	20.0
Manganese	05/28/98	0.6	50	0.5
Mercury	05/08/98	ND	2	0.2
Nickel	05/28/98	3.9	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	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 #: 3551.03
Sample Received: 05/06/98
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW-7

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	05/28/98	962	200	10.0
Antimony	05/28/98	ND	20	2.0
Arsenic	05/28/98	ND	8	2.0
Barium	05/28/98	18.5	2000	0.5
Beryllium	05/28/98	ND	20	0.5
Cadmium	05/28/98	0.6	4	0.5
Calcium	05/28/98	8562	NLE	20.0
Chromium	05/28/98	1.4	100	0.5
Cobalt	05/28/98	1.6	NLE	0.5
Copper	05/28/98	ND	1000	3.0
Iron	05/28/98	1621	300	10.0
Lead	05/28/98	ND	10	2.0
Magnesium	05/28/98	2882	NLE	20.0
Manganese	05/28/98	24.9	50	0.5
Mercury	05/08/98	ND	2	0.2
Nickel	05/28/98	5.4	100	0.5
Potassium	05/28/98	2117	NLE	20.0
Selenium	05/28/98	ND	50	3.0
Silver	05/28/98	ND	20	3.0
Sodium	05/28/98	19310	50000	20.0
Thallium	05/28/98	ND	10	3.0
Vanadium	05/28/98	3.2	NLE	1.0
Zinc	05/28/98	12.8	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 #: 3551.04
Sample Received: 05/06/98
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW-8

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	05/28/98	203	200	10.0
Antimony	05/28/98	ND	20	2.0
Arsenic	05/28/98	ND	8	2.0
Barium	05/28/98	74	2000	0.5
Beryllium	05/28/98	ND	20	0.5
Cadmium	05/28/98	ND	4	0.5
Calcium	05/28/98	38520	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	34950	300	10.0
Lead	05/28/98	ND	10	2.0
Magnesium	05/28/98	6460	NLE	20.0
Manganese	05/28/98	135	50	0.5
Mercury	05/08/98	ND	2	0.2
Nickel	05/28/98	2.1	100	0.5
Potassium	05/28/98	9570	NLE	20.0
Selenium	05/28/98	ND	50	3.0
Silver	05/28/98	ND	20	3.0
Sodium	05/28/98	13560	50000	20.0
Thallium	05/28/98	ND	10	3.0
Vanadium	05/28/98	1.5	NLE	1.0
Zinc	05/28/98	4.8	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 #: 3551.05
Sample Received: 05/06/98
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW-9

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	80	2000	0.5
Beryllium	05/28/98	ND	20	0.5
Cadmium	05/28/98	ND	4	0.5
Calcium	05/28/98	44510	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	19630	300	10.0
Lead	05/28/98	ND	10	2.0
Magnesium	05/28/98	6243	NLE	20.0
Manganese	05/28/98	90.5	50	0.5
Mercury	05/08/98	ND	2	0.2
Nickel	05/28/98	1.9	100	0.5
Potassium	05/28/98	10910	NLE	20.0
Selenium	05/28/98	ND	50	3.0
Silver	05/28/98	ND	20	3.0
Sodium	05/28/98	9376	50000	20.0
Thallium	05/28/98	ND	10	3.0
Vanadium	05/28/98	ND	NLE	1.0
Zinc	05/28/98	5.9	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 #: 3551.06
Sample Received: 05/06/98
Sample Matrix: Aqueous

Site: M-4
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	05/28/98	925	200	10.0
Antimony	05/28/98	2.8	20	2.0
Arsenic	05/28/98	ND	8	2.0
Barium	05/28/98	19	2000	0.5
Beryllium	05/28/98	ND	20	0.5
Cadmium	05/28/98	0.6	4	0.5
Calcium	05/28/98	8351	NLE	20.0
Chromium	05/28/98	1.1	100	0.5
Cobalt	05/28/98	1.5	NLE	0.5
Copper	05/28/98	3.9	1000	3.0
Iron	05/28/98	1606	300	10.0
Lead	05/28/98	ND	10	2.0
Magnesium	05/28/98	2875	NLE	20.0
Manganese	05/28/98	25	50	0.5
Mercury	05/08/98	ND	2	0.2
Nickel	05/28/98	5.9	100	0.5
Potassium	05/28/98	2223	NLE	20.0
Selenium	05/28/98	ND	50	3.0
Silver	05/28/98	ND	20	3.0
Sodium	05/28/98	21000	50000	20.0
Thallium	05/28/98	ND	10	3.0
Vanadium	05/28/98	3.6	NLE	1.0
Zinc	05/28/98	17.3	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

	Lab	Silanol, trimethyl-	Naphtha lene	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Silver	Sodium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	NLE	NLE	900	200	300	10	50	20	50000	-
05/06/97	FMETL	4	0.34	5.96	1500	160	ND	90	21	58300	V,S,P,M
08/15/97	FMETL	ND	ND	61	620	820	ND	81	ND	55150	V,S,P,M
10/24/97	FMETL	ND	ND	2.28	559	2491	20	50.3	ND	17860	V,S,P,M
02/18/98	FMETL	ND	ND	8.18	538	163	ND	40.7	ND	27110	V,S,P,M
05/06/98	FMETL	ND	ND	ND	962	1621	ND	24.9	ND	19310	V,S,P,M

SOURCE: MW-7

Sampling Dates:
05/06/97 - 05/06/98

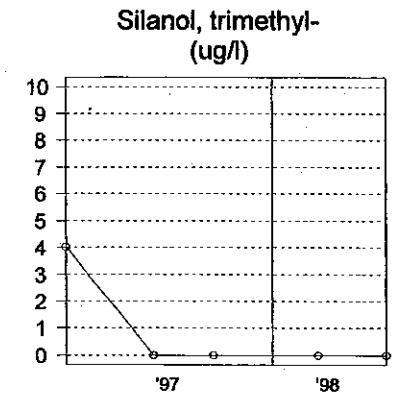
NOTES:

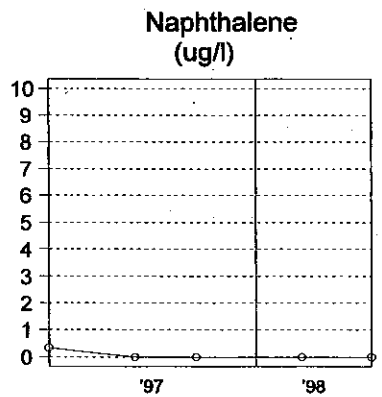
Silver in blank > Criteria in May 97
Analyzed:V,S,P,M
Page 1 of 2.

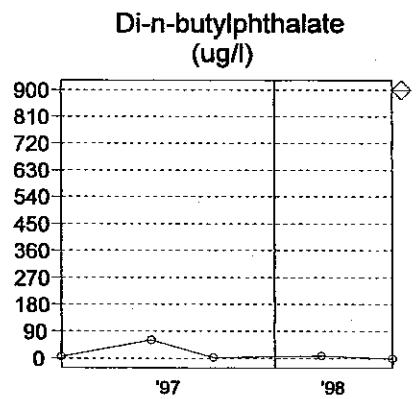
FORT MONMOUTH

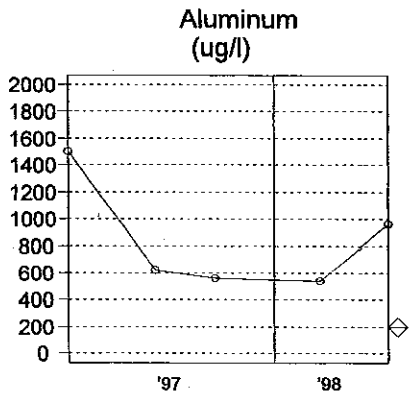
GW MONITORING
Bldg M-4

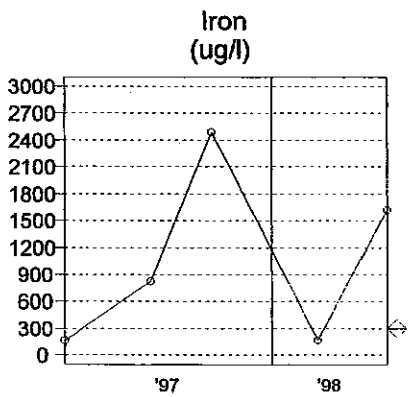
Well 1 of 3

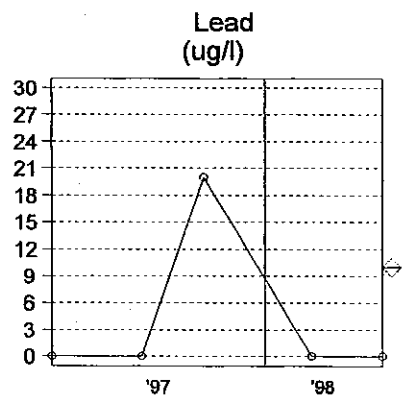


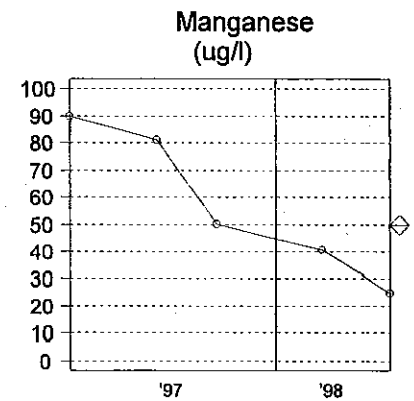


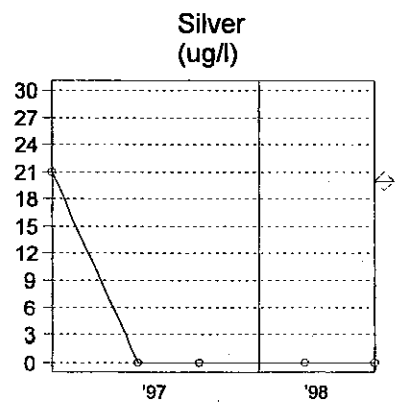


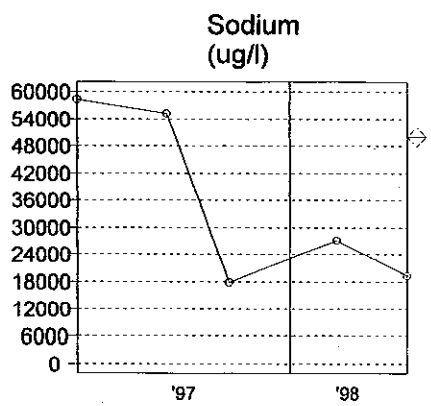












SOURCE: MW-7

Sampling Dates:
05/06/97 - 05/06/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3, Graph

08-13-1998 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Antimony	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	20	200	NLE	100	NLE	NLE	5000	-		-
05/06/97	FMETL	-	-	-	-	-	-	-	7.70		V,S,P,M
08/15/97	FMETL	1.1	100	15440	89	7070	300	42	9.15		V,S,P,M
10/24/97	FMETL	ND	83.6	9680	1.8	5530	ND	75	9.70		V,S,P,M
02/18/98	FMETL	ND	32.4	13760	ND	4070	ND	46	6.40		V,S,P,M
05/06/98	FMETL	ND	18.5	8562	1.4	2882	3.2	12.8	6.92		V,S,P,M

SOURCE: MW-7

Sampling Dates:
05/06/97 - 05/06/98

NOTES:

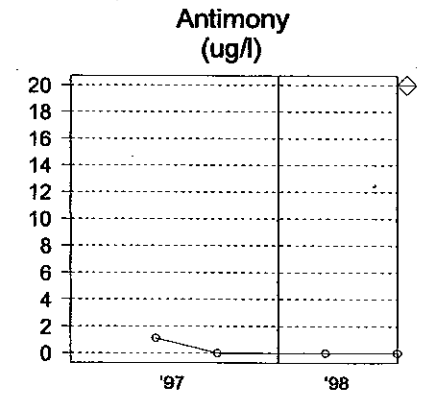
Silver in blank > Criteria in May 97
Analyzed:V,S,P,M
Page 2 of 2.

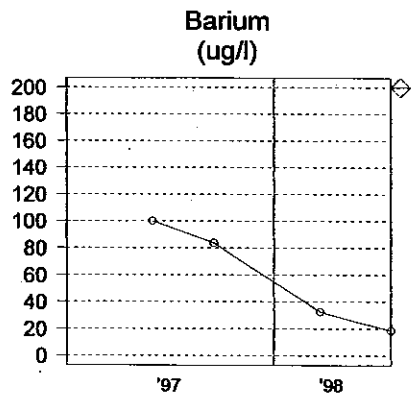
FORT MONMOUTH

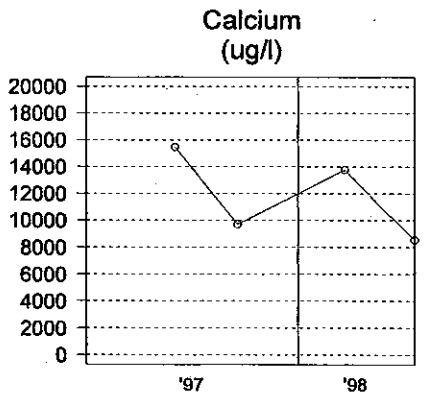
GW MONITORING
Bldg M-4

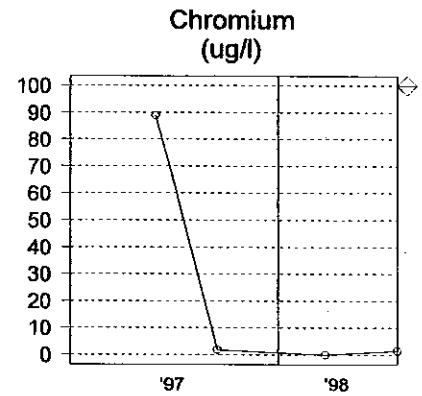
Well 1 of 3

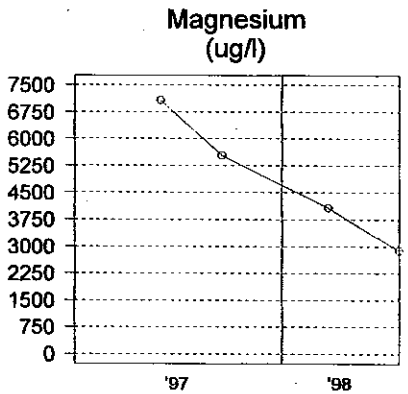
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

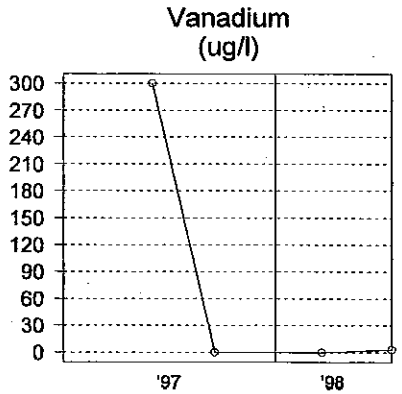


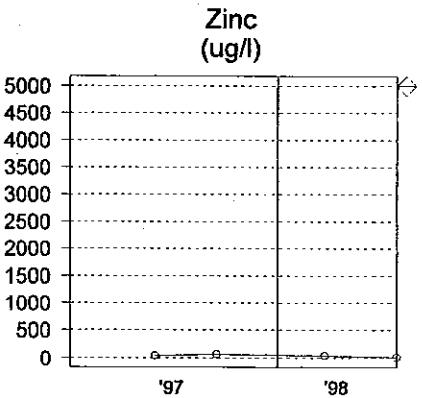


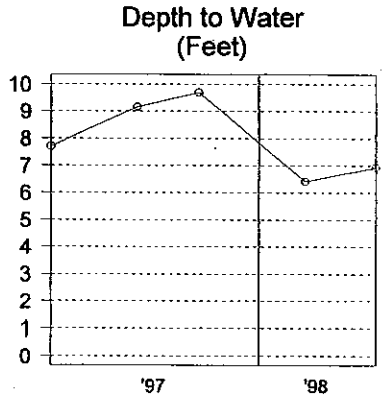












SOURCE: MW-7

Sampling Dates:
05/06/97 - 05/06/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3, Graph

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

08-13-1998 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	Antimony	Barium	Calcium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	900	200	300	10	50	50000	20	200	NLE	-
05/06/97	FMETL	11.67	35	13900	ND	119	10100	-	-	-	V,S,P,M
08/15/97	FMETL	56	344	13760	ND	125	10750	1.3	70	33340	V,S,P,M
10/24/97	FMETL	ND	113	11060	18	107	15360	ND	29.5	35680	V,S,P,M
02/18/98	FMETL	10.8	128	14930	ND	121	11960	ND	36	38960	V,S,P,M
05/06/98	FMETL	ND	203	34950	ND	135	13560	ND	74	38520	V,S,P,M

SOURCE: MW-8

Sampling Dates:
05/06/97 - 05/06/98

NOTES:

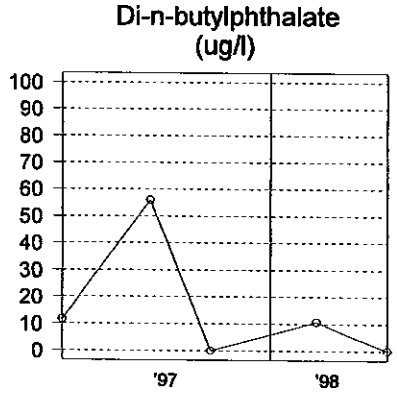
Silver in blank > Criteria in May 97
Analyzed:V,S,P,M
Page 1 of 2.

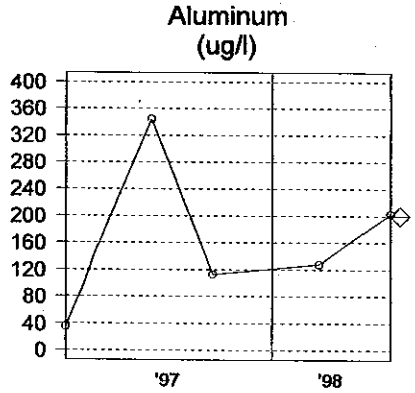
FORT MONMOUTH

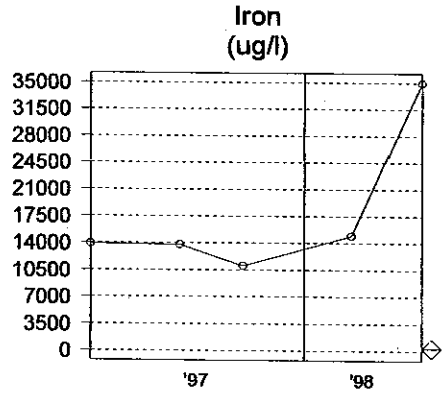
GW MONITORING
Bldg M-4

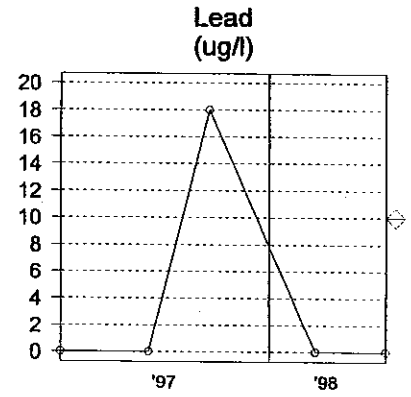
Well 2 of 3

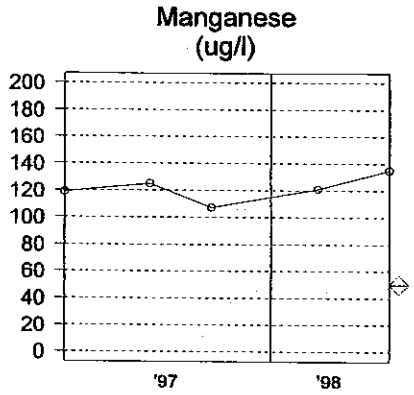
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

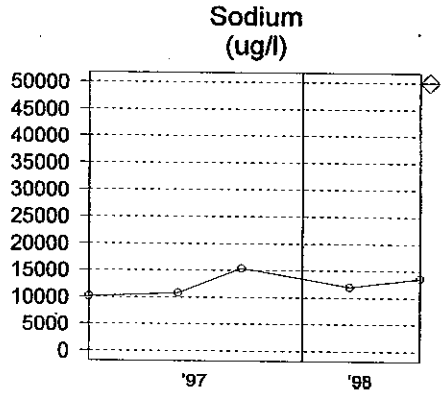


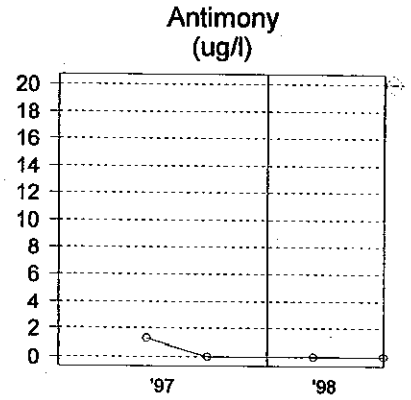


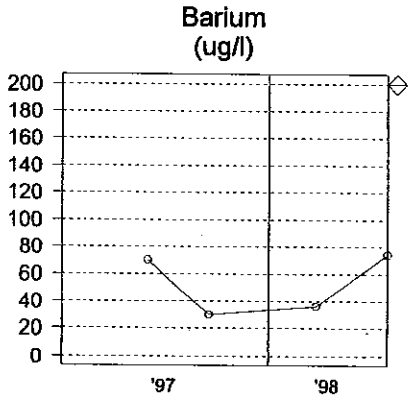


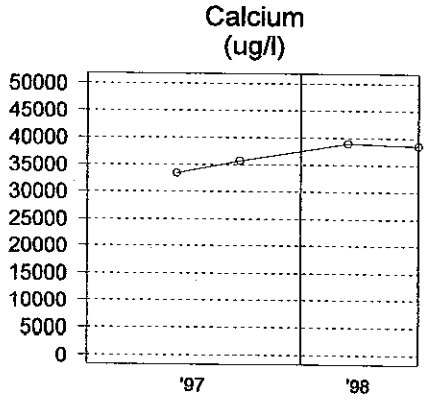












SOURCE: MW-8

Sampling Dates:
05/06/97 - 05/06/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3, Graph

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

08-13-1998 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Chromium	Magnesium	Vanadium	Zinc	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	100	NLE	NLE	5000	-					-
05/06/97	FMETL	-	-	-	-	6.50					V,S,P,M
08/15/97	FMETL	90	5840	300	ND	6.90					V,S,P,M
10/24/97	FMETL	1.2	6120	ND	53	7.60					V,S,P,M
02/18/98	FMETL	ND	5950	ND	12	5.95					V,S,P,M
05/06/98	FMETL	ND	6460	1.5	4.8	6.18					V,S,P,M

SOURCE: MW-8

Sampling Dates:
05/06/97 - 05/06/98

NOTES:

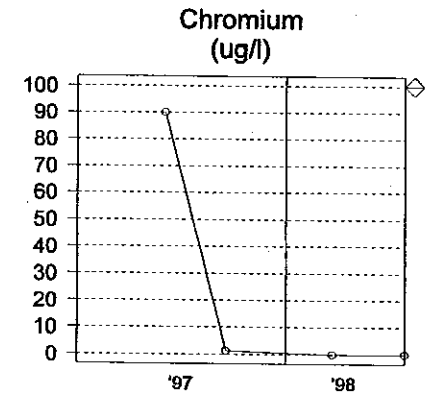
Silver in blank > Criteria in May 97
Analyzed:V,S,P,M
Page 2 of 2.

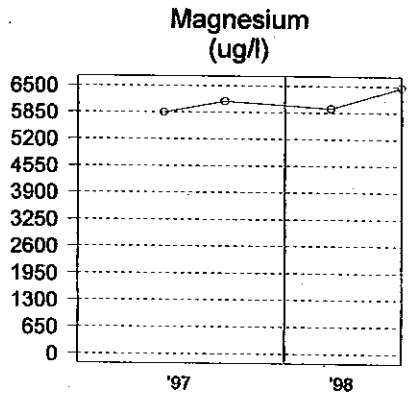
FORT MONMOUTH

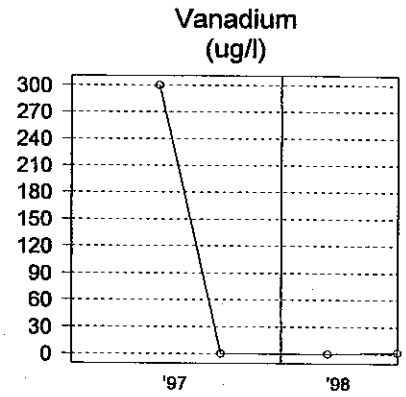
GW MONITORING
Bldg M-4

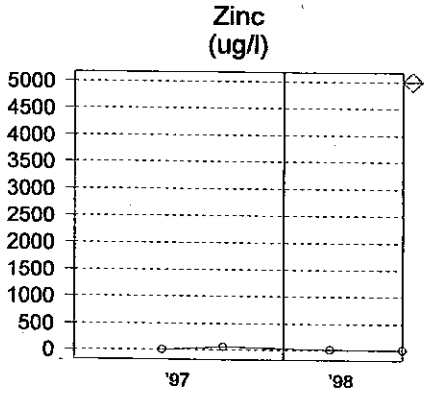
Well 2 of 3

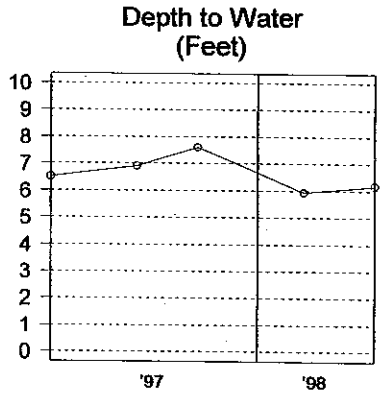
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: MW-8

Sampling Dates:
05/06/97 - 05/06/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3, Graph

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

08-13-1998 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Naphthalene	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	Barium	Calcium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	NLE	900	200	300	10	50	50000	200	NLE	-
05/06/97	FMETL	0.26	3.04	91	37000	ND	68	8300	-	-	V,S,P,M
08/15/97	FMETL	ND	50.5	101.6	7170	ND	64	8270	130	40010	V,S,P,M
10/24/97	FMETL	ND	11.1	107	14650	9.0	76.5	9800	46.7	42140	V,S,P,M
02/18/98	FMETL	ND	5.14	80	6019	ND	66	8370	42	44320	V,S,P,M
05/06/98	FMETL	ND	ND	ND	19630	ND	90.5	9376	80	44510	V,S,P,M

SOURCE: MW-9

Sampling Dates:
05/06/97 - 05/06/98

NOTES:

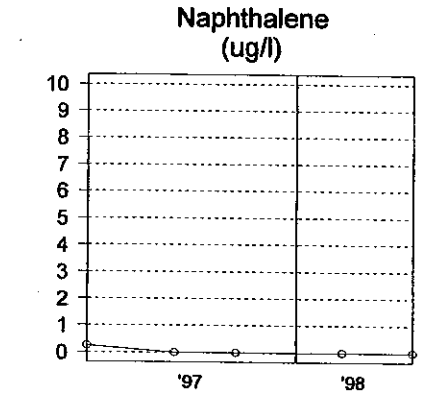
Silver in blank > Criteria in May 97
Page 1 of 2.

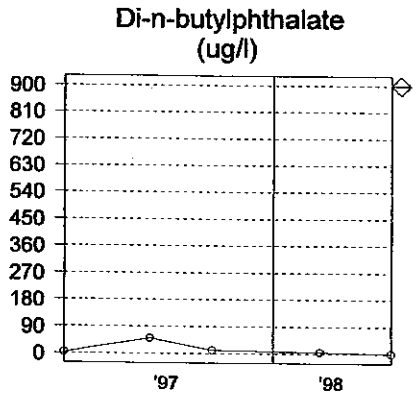
FORT MONMOUTH

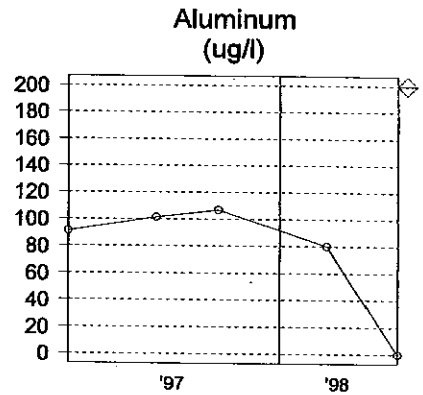
GW MONITORING
Bldg M-4

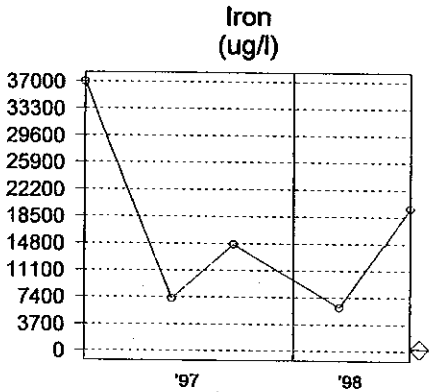
Well 3 of 3

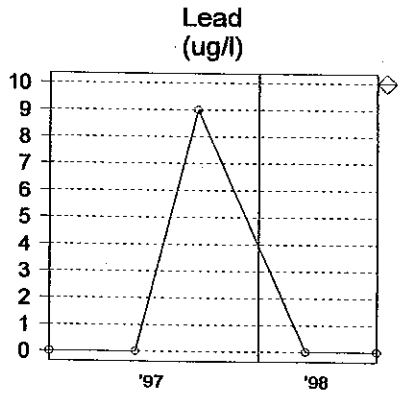
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

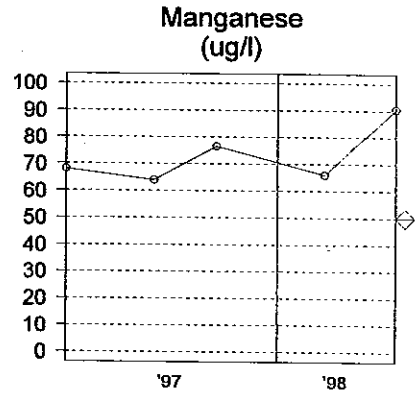


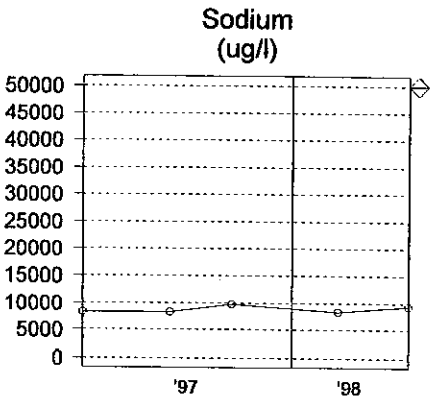


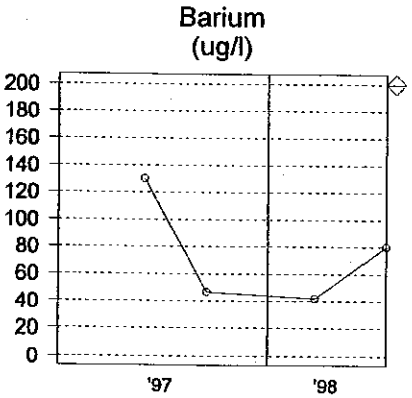


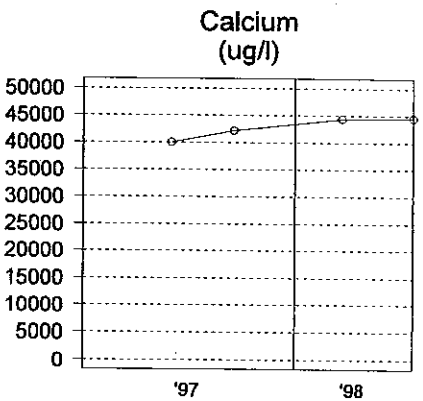












SOURCE: MW-9

Sampling Dates:
05/06/97 - 05/06/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 3, Graph

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

08-13-1998 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Chromium	Magnesium	Vanadium	Zinc	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	100	NLE	NLE	5000	-					-
05/06/97	FMETL	-	-	-	-	5.40					V,S,P,M
08/15/97	FMETL	68	6070	300	ND	6.10					V,S,P,M
10/24/97	FMETL	1.4	5340	ND	52	6.75					V,S,P,M
02/18/98	FMETL	ND	5840	ND	43	4.99					V,S,P,M
05/06/98	FMETL	ND	6243	ND	5.9	5.31					V,S,P,M

SOURCE: MW-9

Sampling Dates:
05/06/97 - 05/06/98

NOTES:

Silver in blank > Criteria in May 97
Page 2 of 2.

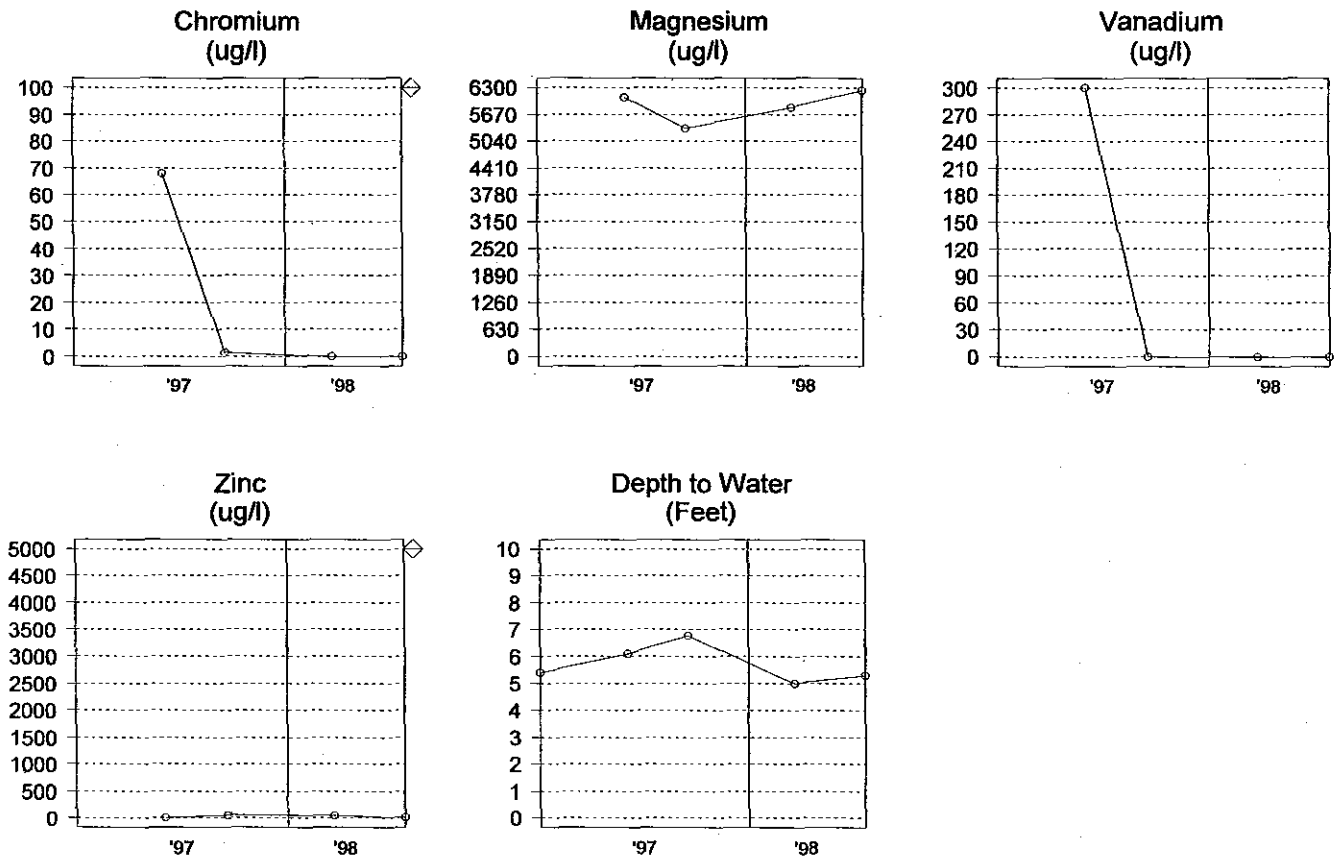
FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 3

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

08-13-1998 c:\mtech46\fm\m-4\gw\m4.wsf



SOURCE: MW-9

Sampling Dates:
05/06/97 - 05/06/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 3, Graph

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

08-13-1998 c:\mtech46\fm\m-4\gw\m4.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-4

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3711.03	MW-07	29-32571	07/09/98
3711.04	MW-08	29-32572	07/09/98
3711.05	MW-09	29-32573	07/09/98

NJDEP Laboratory Certification # 13461

11/5/98

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 #: X26223
(✓)DERA ( )OMA ( )Other:_____

Project No:
Location: M-4 MW

Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA +15	BNA +25	Pest/PCB	TAI Metals				HNU Reading	Remarks / Preservation Method (HCL/HNO3/4°C)
3711 .01	Trip Blank	7/9/98	0700	Aq	2	✓								
.02	Field Blank		0913		5	✓	✓	✓	✓				✓	well 50#
.03	MW-07		1019		5	✓	✓	✓	✓				✓	0.0 ppm 29-32571
.04	MW-08		1054		5	✓	✓	✓	✓				✓	7.21 ppm 29-32572
.05	MW-09		1338		5	✓	✓	✓	✓				✓	11.3 ppm 29-32573
.06	Field Dupe		—		5	✓	✓	✓	✓					

Depth to wtrs
Bldg 1122 MW-01: 5.91 ft
1122 MW-02: 8.46 ft

*See Depth/Elev page

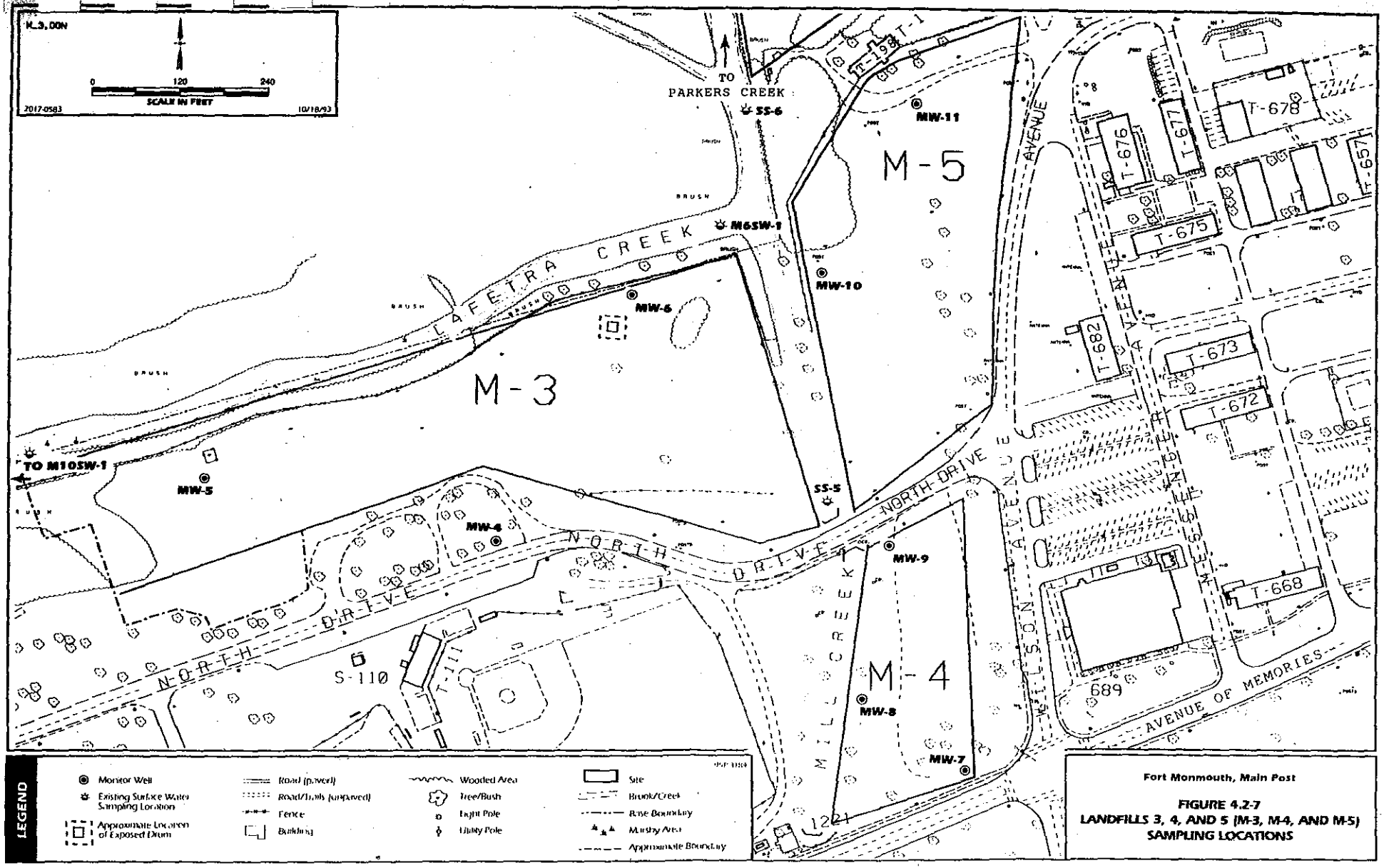
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	7/9/98 1518	J. Vellone			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (✓)Standard, ( )Screen / non-certified
Turnaround time: (✓)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: Shows Trip Blank w/ 1122

print legibly

coc5/29/98



Fort Monmouth, Main Post

FIGURE 4.2-7
LANDFILLS 3, 4, AND 5 (M-3, M-4, AND M-5)
SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 07
NJDEP ID #: 29-32571
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 7 / 9 / 98
WEATHER: Partly cloudy, warm

ELEV. OF CASING SURVEY MARK: 16.75 ft
DEPTH TO WATER: 8.63 ft
DEPTH OF WELL: 17.61 ft
HEIGHT OF WATER: 8.98 ft
(8.98) X .65 X 3 = 17.51
GALLONS OF H2O TO BE PURGED: 18 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: 0858
pH 3.47 su TEMP 17.4 °C
DISSOLVED O2 2.43 mg/L SPECIFIC CONDUCTIVITY 131 us/cm

PURGE END TIME: 1019
pH 4.68 su TEMP 17.0 °C
DISSOLVED O2 2.41 mg/L SPECIFIC CONDUCTIVITY 100 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.79 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

pH 4.69 su TEMP 16.8 °C
DISSOLVED O2 2.44 mg/L SPECIFIC CONDUCTIVITY 100 us/cm

COMMENTS: Dupe here. Buffered pH meter 3 times w/ known buffer. Meter ok.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 08
NJDEP ID #: 29-32572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 7 / 9 / 98
WEATHER: Partly cloudy, warm

ELEV. OF CASING SURVEY MARK: 10.68 ft
DEPTH TO WATER: 6.76 ft
DEPTH OF WELL: 19.90 ft
HEIGHT OF WATER: 13.14 ft
(13.14) X .65 X 3 = 25.62
GALLONS OF H2O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.18 gpm
Hnu READING: 7.21 ppm

PURGE START TIME: 0836
pH 6.82 su TEMP 18.4 °C
DISSOLVED O2 2.48 mg/L SPECIFIC CONDUCTIVITY 83 us/cm

PURGE END TIME: 1054
pH 6.77 su TEMP 16.9 °C
DISSOLVED O2 2.46 mg/L SPECIFIC CONDUCTIVITY 80 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.94 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

pH 6.79 su TEMP 16.7 °C
DISSOLVED O2 2.46 mg/L SPECIFIC CONDUCTIVITY 80 us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 09
NJDEP ID #: 29-32573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 7 / 9 / 98
WEATHER: Partly cloudy, warm

ELEV. OF CASING SURVEY MARK: 9.69 ft
DEPTH TO WATER: 6.12 ft
DEPTH OF WELL: 24.27 ft
HEIGHT OF WATER: 18.15 ft
(18.15 X .65 X 3 = 35.39
GALLONS OF H2O TO BE PURGED: 35 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.10 gpm
Hnu READING: 11.3 ppm

PURGE START TIME: 0814
pH 6.94 su TEMP 15.8 °C
DISSOLVED O2 2.51 mg/L SPECIFIC CONDUCTIVITY 80 us/cm

PURGE END TIME: 1338
pH 6.90 su TEMP 15.6 °C
DISSOLVED O2 2.48 mg/L SPECIFIC CONDUCTIVITY 90 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.51 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 35 gal

pH 6.92 su TEMP 15.4 °C
DISSOLVED O2 2.46 mg/L SPECIFIC CONDUCTIVITY 80 us/cm

COMMENTS:

CASE NARRATIVE

Site: Bldg. M-4
Lab ID: 3711

The duplicate analysis was performed on MW-07 (3711.03).

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	vb00948.d	Sample Name	VBLK26
Operator	Skelton	Field ID	VBLK26
Date Acquired	16 Jul 1998 3:34 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	6.25 ug/L	
107131	Acrylonitrile			not detected	50	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	
	Dichlorodifluoromethan			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 ethe			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-Dichloroprope			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-Tetrachloroethan			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	75	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 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	**vb00949.d**	Sample Name	**3711.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**16 Jul 1998 4:20 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	6.25 ug/L	
107131	Acrylonitrile			not detected	50	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	
	Dichlorodifluoromethan			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	10.55	87921	12.31 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	16.73	26035	2.62 ug/L	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 ethe			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-Dichloroprope			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-Tetrachloroethan			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	75	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 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	vb00950.d	Sample Name	3711.02
Operator	Skelton	Field ID	Field Blank
Date Acquired	16 Jul 1998 5:05 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	6.25 ug/L	
107131	Acrylonitrile			not detected	50	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	
	Dichlorodifluoromethan			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	10.55	69981	10.15 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 ethe			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-Dichloroprope			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-Tetrachloroethan			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	75	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 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	vb00951.d	Sample Name	3711.03
Operator	Skelton	Field ID	MW07
Date Acquired	16 Jul 1998 5:51 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	6.25 ug/L	
107131	Acrylonitrile			not detected	50	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	
	Dichlorodifluoromethan			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 ethe			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-Dichloroprope			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-Tetrachloroethan			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	75	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 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	vb00952.d	Sample Name	3711.04
Operator	Skelton	Field ID	MW08
Date Acquired	16 Jul 1998 6:36 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	6.25 ug/L	
107131	Acrylonitrile			not detected	50	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	
	Dichlorodifluoromethan			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	10.52	109046	16.68 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 ethe			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-Dichloroprope			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-Tetrachloroethan			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	75	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 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	vb00953.d	Sample Name	3711.05
Operator	Skelton	Field ID	MW09
Date Acquired	16 Jul 1998 7:21 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	6.25 ug/L	
107131	Acrylonitrile			not detected	50	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	
	Dichlorodifluoromethan			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 ethe			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-Dichloroprope			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-Tetrachloroethan			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	75	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 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	VB00954.D	Sample Name	3711.06
Operator	Skelton	Field ID	Field Dupe
Date Acquired	16 Jul 1998 8:06 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	6.25 ug/L	
107131	Acrylonitrile			not detected	50	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	
	Dichlorodifluoromethan			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	10.53	64040	10.16 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 ethe			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-Dichloroprope			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-Tetrachloroethan			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	75	3.08 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.75 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

VBLK26

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 3711 SDG No Location M-4

Matrix: (soil/water) WATER Lab Sample ID: VBLK26

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB00948.D

Level: (low/med) LOW Date Received: 07/09/98

% Moisture: not dec. Date Analyzed: 07/16/98

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

Trip Blank

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 3711 SDG No Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 3711.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB00949.D

Level: (low/med) LOW Date Received: 07/09/98

% Moisture: not dec. Date Analyzed: 07/16/98

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

NJDEP# 13461 Case No.: 3711 SDG No Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 3711.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB00950.D

Level: (low/med) LOW Date Received: 07/09/98

% Moisture: not dec. Date Analyzed: 07/16/98

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-07

Lab Name: FMETL Project _____

NJDEP# 13461 Case No.: 3711 SDG No _____ Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 3711.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB00951.D

Level: (low/med) LOW Date Received: 07/09/98

% Moisture: not dec. _____ Date Analyzed: 07/16/98

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-08

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 3711 SDG No Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 3711.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB00952.D

Level: (low/med) LOW Date Received: 07/09/98

% Moisture: not dec. Date Analyzed: 07/16/98

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-09

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 3711 SDG No Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 3711.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB00953.D

Level: (low/med) LOW Date Received: 07/09/98

% Moisture: not dec. Date Analyzed: 07/16/98

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 Dupe

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 3711 SDG No Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 3711.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB00954.D

Level: (low/med) LOW Date Received: 07/09/98

% Moisture: not dec. Date Analyzed: 07/16/98

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	BN2052.D	Sample Name	SBLK 102
Operator	FITZPATRICK	Misc Info	SBLK 102
Date Acquired	14 Jul 98 4:04 pm	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	2.52	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	2.64	ug/L	
62-53-3	Aniline			not detected	NLE	2.90	ug/L	
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	**BN2052.D**	Sample Name	**SBLK 102**
Operator	**FITZPATRICK**	Misc Info	**SBLK 102**
Date Acquired	**14 Jul 98 4:04 pm**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	1.22	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.68	ug/L	
86-73-7	Fluorene			not detected	300	1.93	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.53	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.70	ug/L	
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	

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	bn2053.d	Sample Name	3711.02
Operator	FITZPATRICK	Misc Info	FIELD BLANK
Date Acquired	14 Jul 98 4:55 pm	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	2.52	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	2.64	ug/L	
62-53-3	Aniline			not detected	NLE	2.90	ug/L	
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	

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Data File Name	**bn2053.d**	Sample Name	**3711.02**
Operator	**FITZPATRICK**	Misc Info	**FIELD BLANK**
Date Acquired	**14 Jul 98 4:55 pm**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	1.22	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.68	ug/L	
86-73-7	Fluorene			not detected	300	1.93	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.53	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.70	ug/L	
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	

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	**bn2054.d**	Sample Name	**3711.03**
Operator	**FITZPATRICK**	Misc Info	**MW-07**
Date Acquired	**14 Jul 98 5:45 pm**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	2.52	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	2.64	ug/L	
62-53-3	Aniline			not detected	NLE	2.90	ug/L	
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	

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Data File Name	**bn2054.d**	Sample Name	**3711.03**
Operator	**FITZPATRICK**	Misc Info	**MW-07**
Date Acquired	**14 Jul 98 5:45 pm**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	1.22	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.68	ug/L	
86-73-7	Fluorene			not detected	300	1.93	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.53	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.70	ug/L	
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	

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	**bn2055.d**	Sample Name	**3711.04**
Operator	**FITZPATRICK**	Misc Info	**MW-08**
Date Acquired	**14 Jul 98 6:34 pm**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	2.52	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	2.64	ug/L	
62-53-3	Aniline			not detected	NLE	2.90	ug/L	
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	

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Data File Name	**bn2055.d**	Sample Name	**3711.04**
Operator	**FITZPATRICK**	Misc Info	**MW-08**
Date Acquired	**14 Jul 98 6:34 pm**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	1.22	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.68	ug/L	
86-73-7	Fluorene			not detected	300	1.93	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.53	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.70	ug/L	
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	

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	**bn2056.d**	Sample Name	**3711.05**
Operator	**FITZPATRICK**	Misc Info	**MW-09**
Date Acquired	**14 Jul 98 7:23 pm**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	2.52	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	2.64	ug/L	
62-53-3	Aniline			not detected	NLE	2.90	ug/L	
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	**bn2056.d**	Sample Name	**3711.05**
Operator	**FITZPATRICK**	Misc Info	**MW-09**
Date Acquired	**14 Jul 98 7:23 pm**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	1.22	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.68	ug/L	
86-73-7	Fluorene			not detected	300	1.93	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.53	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.70	ug/L	
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	

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	bn2057.d	Sample Name	3711.06
Operator	FITZPATRICK	Misc Info	FIELD DUP
Date Acquired	14 Jul 98 8:11 pm	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	GW Criteria	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	2.52	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	2.64	ug/L	
62-53-3	Aniline			not detected	NLE	2.90	ug/L	
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	**bn2057.d**	Sample Name	**3711.06**
Operator	**FITZPATRICK**	Misc Info	**FIELD DUP**
Date Acquired	**14 Jul 98 8:11 pm**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	1.22	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.68	ug/L	
86-73-7	Fluorene			not detected	300	1.93	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.53	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.70	ug/L	
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	

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

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

SBLK 102

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3711 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: SBLK 102

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN2052.D

Level: (low/med) LOW Date Received: 07/09/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/14/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

FIELD BLANK

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3711 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3711.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN2053.D

Level: (low/med) LOW Date Received: 07/09/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/14/98

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

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW-07

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3711 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3711.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN2054.D

Level: (low/med) LOW Date Received: 07/09/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/14/98

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
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW-08

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3711 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3711.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN2055.D

Level: (low/med) LOW Date Received: 07/09/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/14/98

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

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW-09

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3711 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3711.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN2056.D

Level: (low/med) LOW Date Received: 07/09/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/14/98

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

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

FIELD DUP

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3711 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3711.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN2057.D

Level: (low/med) LOW Date Received: 07/09/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/14/98

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 # :**	BLK143
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	7/10/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/14/98
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 # :**	3711.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	7/9/98
	Bldg. 173	**Extraction Date:**	7/10/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/14/98
Analysis:	EPA Method 608	**Location :**	M-4 MW
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 # :**	3711.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	7/9/98
	Bldg. 173	**Extraction Date:**	7/10/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/14/98
Analysis:	EPA Method 608	**Location :**	M-4 MW
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-07
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	19.48	0.10	0.0013	**0.0015**
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 # :**	3711.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	7/9/98
	Bldg. 173	**Extraction Date:**	7/10/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/14/98
Analysis:	EPA Method 608	**Location :**	M-4 MW
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-08
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 # :**	3711.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	7/9/98
	Bldg. 173	**Extraction Date:**	7/10/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/14/98
Analysis:	EPA Method 608	**Location :**	M-4 MW
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-09
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 # :**	3711.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	7/9/98
	Bldg. 173	**Extraction Date:**	7/10/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/14/98
Analysis:	EPA Method 608	**Location :**	M-4 MW
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	Field Dup
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	17.43	0.10	0.0009	**0.0014**
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	19.48	0.10	0.0013	**0.0020**
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 #: 3711.02
Sample Received: 07/09/98
Sample Matrix: Aqueous

Site: M-4
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	07/24/98	ND	200	10.0
Antimony	07/24/98	2.49	20	2.0
Arsenic	07/24/98	ND	8	2.0
Barium	07/24/98	ND	2000	0.5
Beryllium	07/24/98	ND	20	0.5
Cadmium	08/04/98	ND	4	0.5
Calcium	07/24/98	159	NLE	20.0
Chromium	07/24/98	ND	100	0.5
Cobalt	07/24/98	ND	NLE	0.5
Copper	07/24/98	3.67	1000	3.0
Iron	07/24/98	108	300	10.0
Lead	07/24/98	ND	10	2.0
Magnesium	07/24/98	ND	NLE	20.0
Manganese	07/24/98	ND	50	0.5
Mercury	07/24/98	ND	2	0.2
Nickel	07/24/98	ND	100	0.5
Potassium	07/24/98	ND	NLE	20.0
Selenium	07/24/98	ND	50	3.0
Silver	07/24/98	ND	20	3.0
Sodium	07/24/98	201	50000	20.0
Thallium	07/24/98	ND	10	3.0
Vanadium	07/24/98	ND	NLE	1.0
Zinc	07/24/98	21.3	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 #: 3711.03
Sample Received: 07/09/98
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW-07

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	07/24/98	969	200	10.0
Antimony	07/24/98	5.45	20	2.0
Arsenic	07/24/98	ND	8	2.0
Barium	07/24/98	28.1	2000	0.5
Beryllium	07/24/98	ND	20	0.5
Cadmium	08/04/98	0.73	4	0.5
Calcium	07/24/98	11100	NLE	20.0
Chromium	07/24/98	ND	100	0.5
Cobalt	07/24/98	2.19	NLE	0.5
Copper	07/24/98	4.71	1000	3.0
Iron	07/24/98	3770	300	10.0
Lead	07/24/98	7.96	10	2.0
Magnesium	07/24/98	3230	NLE	20.0
Manganese	07/24/98	39.7	50	0.5
Mercury	05/08/98	ND	2	0.2
Nickel	07/24/98	4.31	100	0.5
Potassium	07/24/98	2570	NLE	20.0
Selenium	07/24/98	ND	50	3.0
Silver	07/24/98	ND	20	3.0
Sodium	07/24/98	28500	50000	20.0
Thallium	07/24/98	ND	10	3.0
Vanadium	07/24/98	5.34	NLE	1.0
Zinc	07/24/98	66.5	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 #: 3711.04
Sample Received: 07/09/98
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW-08

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	07/24/98	293	200	10.0
Antimony	07/24/98	4.72	20	2.0
Arsenic	07/24/98	ND	8	2.0
Barium	07/24/98	81.1	2000	0.5
Beryllium	07/24/98	ND	20	0.5
Cadmium	08/04/98	ND	4	0.5
Calcium	07/24/98	54000	NLE	20.0
Chromium	07/24/98	ND	100	0.5
Cobalt	07/24/98	ND	NLE	0.5
Copper	07/24/98	3.71	1000	3.0
Iron	07/24/98	24900	300	10.0
Lead	07/24/98	2.70	10	2.0
Magnesium	07/24/98	7590	NLE	20.0
Manganese	07/24/98	158	50	0.5
Mercury	05/08/98	ND	2	0.2
Nickel	07/24/98	ND	100	0.5
Potassium	07/24/98	9450	NLE	20.0
Selenium	07/24/98	ND	50	3.0
Silver	07/24/98	ND	20	3.0
Sodium	07/24/98	8970	50000	20.0
Thallium	07/24/98	ND	10	3.0
Vanadium	07/24/98	1.49	NLE	1.0
Zinc	07/24/98	66.7	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 #: 3711.05
Sample Received: 07/09/98
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW-09

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	07/24/98	21.2	200	10.0
Antimony	07/24/98	6.52	20	2.0
Arsenic	07/24/98	ND	8	2.0
Barium	07/24/98	278	2000	0.5
Beryllium	07/24/98	ND	20	0.5
Cadmium	08/04/98	ND	4	0.5
Calcium	07/24/98	45500	NLE	20.0
Chromium	07/24/98	ND	100	0.5
Cobalt	07/24/98	ND	NLE	0.5
Copper	07/24/98	26.5	1000	3.0
Iron	07/24/98	15500	300	10.0
Lead	07/24/98	12.2	10	2.0
Magnesium	07/24/98	5650	NLE	20.0
Manganese	07/24/98	58.2	50	0.5
Mercury	05/08/98	ND	2	0.2
Nickel	07/24/98	0.847	100	0.5
Potassium	07/24/98	9980	NLE	20.0
Selenium	07/24/98	ND	50	3.0
Silver	07/24/98	ND	20	3.0
Sodium	07/24/98	8140	50000	20.0
Thallium	07/24/98	ND	10	3.0
Vanadium	07/24/98	ND	NLE	1.0
Zinc	07/24/98	98.6	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 #: 3711.06
Sample Received: 07/09/98
Sample Matrix: Aqueous

Site: M-4
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	07/24/98	564	200	10.0
Antimony	07/24/98	3.54	20	2.0
Arsenic	07/24/98	ND	8	2.0
Barium	07/24/98	28.7	2000	0.5
Beryllium	07/24/98	ND	20	0.5
Cadmium	08/04/98	ND	4	0.5
Calcium	07/24/98	12000	NLE	20.0
Chromium	07/24/98	ND	100	0.5
Cobalt	07/24/98	1.47	NLE	0.5
Copper	07/24/98	ND	1000	3.0
Iron	07/24/98	2060	300	10.0
Lead	07/24/98	4.85	10	2.0
Magnesium	07/24/98	3150	NLE	20.0
Manganese	07/24/98	35.5	50	0.5
Mercury	05/08/98	ND	2	0.2
Nickel	07/24/98	4.89	100	0.5
Potassium	07/24/98	1600	NLE	20.0
Selenium	07/24/98	4.61	50	3.0
Silver	07/24/98	ND	20	3.0
Sodium	07/24/98	25900	50000	20.0
Thallium	07/24/98	ND	10	3.0
Vanadium	07/24/98	3.49	NLE	1.0
Zinc	07/24/98	59.9	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 #: 3711
Sample Received: 07/09/98
Sample Preparation: 05/26/98
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

METHOD BLANK SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	07/24/98	145	200	10.0
Antimony	07/24/98	5.0	20	2.0
Arsenic	07/24/98	ND	8	2.0
Barium	07/24/98	2.5	2000	0.5
Beryllium	07/24/98	0.7	20	0.5
Cadmium	08/04/98	ND	4	0.5
Calcium	07/24/98	243	NLE	20.0
Chromium	07/24/98	ND	100	0.5
Cobalt	07/24/98	ND	NLE	0.5
Copper	07/24/98	ND	1000	3.0
Iron	07/24/98	30	300	10.0
Lead	07/24/98	4.0	10	2.0
Magnesium	07/24/98	100	NLE	20.0
Manganese	07/24/98	ND	50	0.5
Mercury	07/24/98	ND	2	0.2
Nickel	07/24/98	ND	100	0.5
Potassium	07/24/98	ND	NLE	20.0
Selenium	07/24/98	ND	50	3.0
Silver	07/24/98	ND	20	3.0
Sodium	07/24/98	ND	50000	20.0
Thallium	07/24/98	ND	10	3.0
Vanadium	07/24/98	ND	NLE	1.0
Zinc	07/24/98	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

	Lab	Silanol, trimethyl-	Naphthalene	Di-n-butyl phthalate	Sodium	Aluminum	Iron	Lead	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	NLE	900	50000	200	300	10	50	20	-
05/06/97		4	0.34	5.96	58300	1500	160	ND	90	21	V,S,P,M
08/15/97		ND	ND	61	55150	620	820	ND	81	ND	V,S,P,M
10/24/97		ND	ND	2.28	17860	559	2491	20	50.3	ND	V,S,P,M
02/18/98		ND	ND	8.18	27110	538	163	ND	40.7	ND	V,S,P,M
05/06/98		ND	ND	ND	19310	962	1621	ND	24.9	ND	V,S,P,M
07/09/98		ND	ND	ND	28500	969	3770	7.96	39.7	ND	V,S,P,M

SOURCE: MW-7

Sampling Dates:
05/06/97 - 07/09/98

NOTES:

Silver in blank > Criteria in May 97

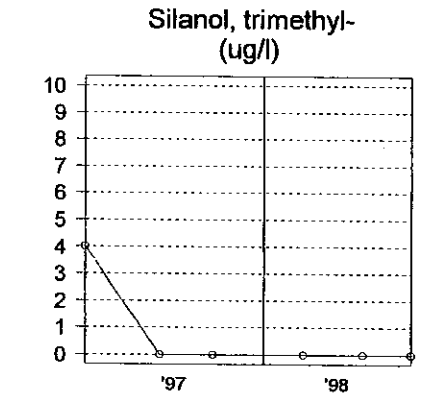
Page 1 of 2.

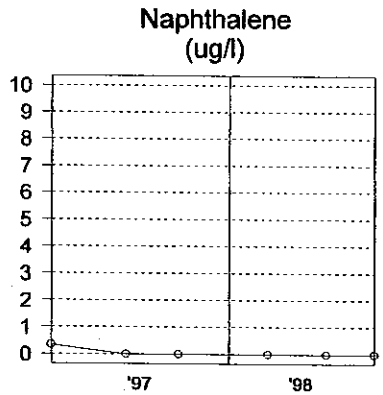
FORT MONMOUTH

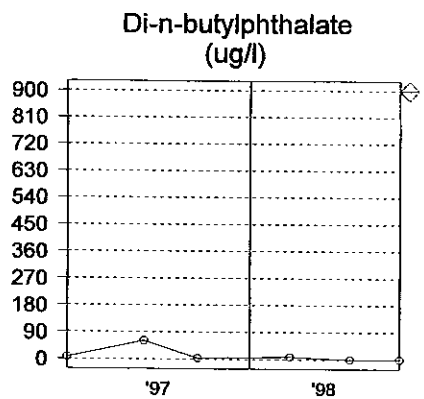
GW MONITORING
Bldg M-4

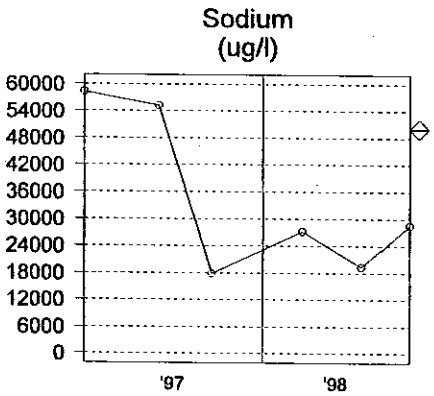
Well 1 of 3

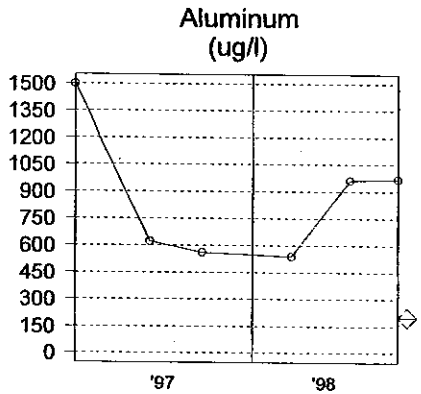
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

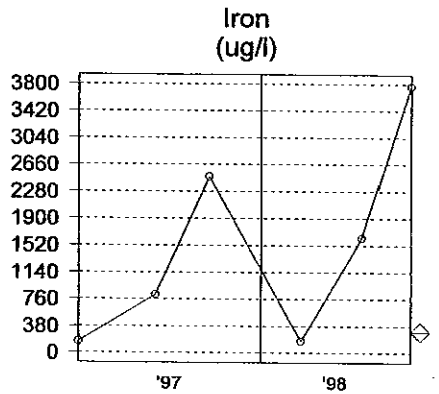


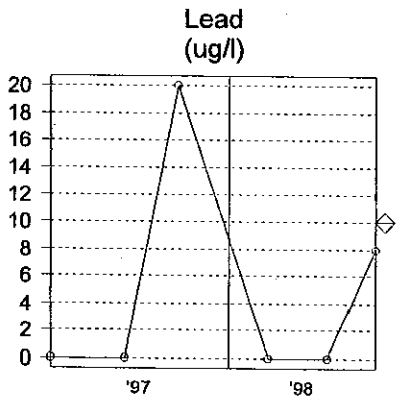


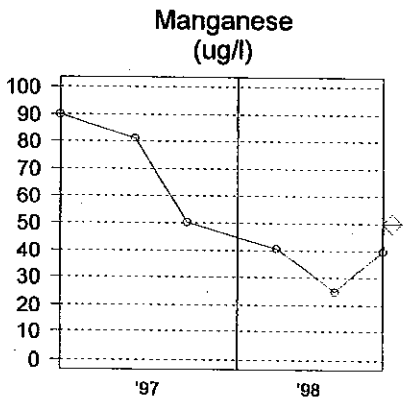


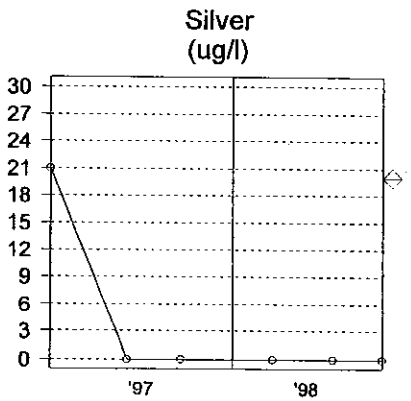












SOURCE: MW-7

Sampling Dates:
05/06/97 - 07/09/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3, Graph

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

11-02-1998 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Antimony	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	20	200	NLE	100	NLE	NLE	5000	-		-
05/06/97		-	-	-	-	-	-	-	7.70		V,S,P,M
08/15/97		1.1	100	15440	89	7070	300	42	9.15		V,S,P,M
10/24/97		ND	83.6	9680	1.8	5530	ND	75	9.70		V,S,P,M
02/18/98		ND	32.4	13760	ND	4070	ND	46	6.40		V,S,P,M
05/06/98		ND	18.5	8562	1.4	2882	3.2	12.8	6.92		V,S,P,M
07/09/98		5.45	28.1	11100	ND	3230	5.34	66.5	8.63		V,S,P,M

SOURCE: MW-7

Sampling Dates:
05/06/97 - 07/09/98

NOTES:

Silver in blank > Criteria in May 97

Page 2 of 2.

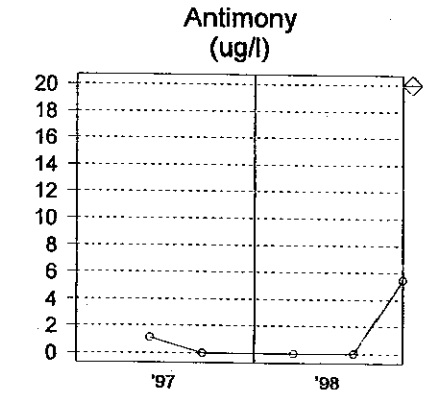
FORT MONMOUTH

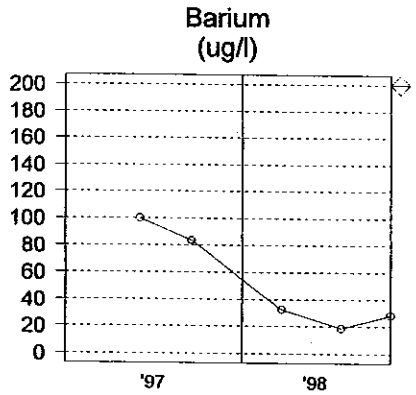
GW MONITORING
Bldg M-4

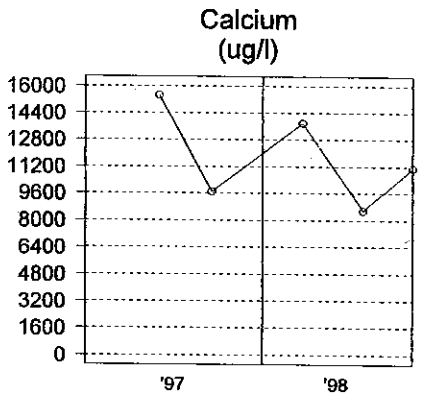
Well 1 of 3

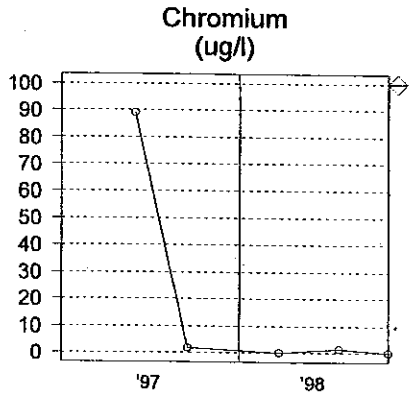
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

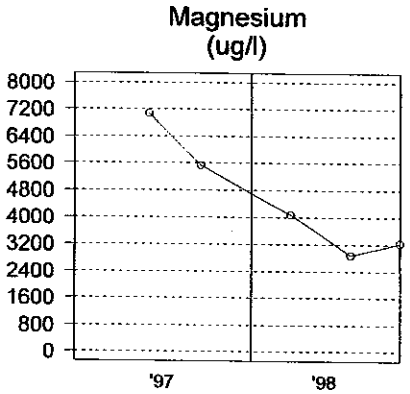
11-02-1998 c:\mtech46\fm\m-4\gw\m4.wsf

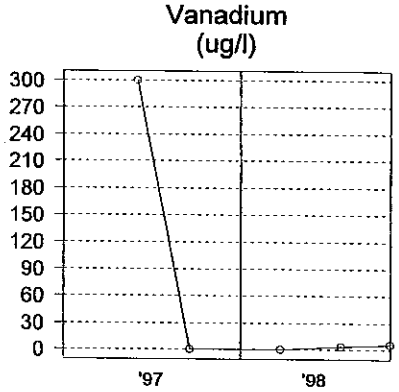


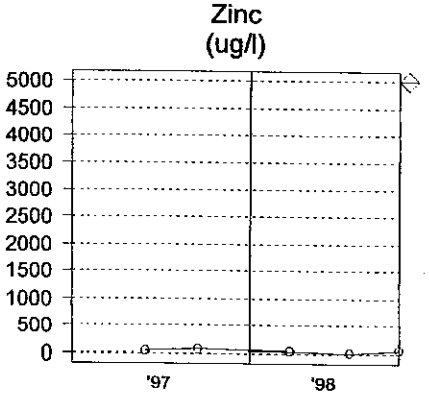


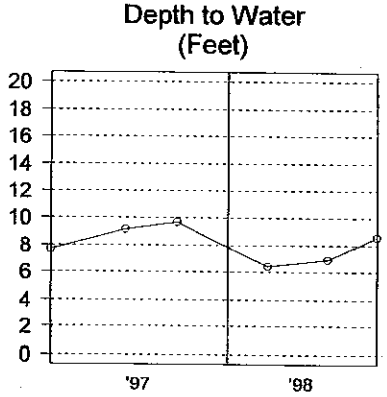












SOURCE: MW-7

Sampling Dates:
05/06/97 - 07/09/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3, Graph

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

11-02-1998 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	Antimony	Barium	Calcium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	900	200	300	10	50	50000	20	200	NLE	-
05/06/97		11.67	35	13900	ND	119	10100	-	-	-	V,S,P,M
08/15/97		56	344	13760	ND	125	10750	1.3	70	33340	V,S,P,M
10/24/97		ND	113	11060	18	107	15360	ND	29.5	35680	V,S,P,M
02/18/98		10.8	128	14930	ND	121	11960	ND	36	38960	V,S,P,M
05/06/98		ND	203	34950	ND	135	13560	ND	74	38520	V,S,P,M
07/09/98		ND	293	24900	2.7	158	8970	4.72	81.1	54000	V,S,P,M

SOURCE: MW-8

Sampling Dates:
05/06/97 - 07/09/98

NOTES:

Silver in blank > Criteria in May 97

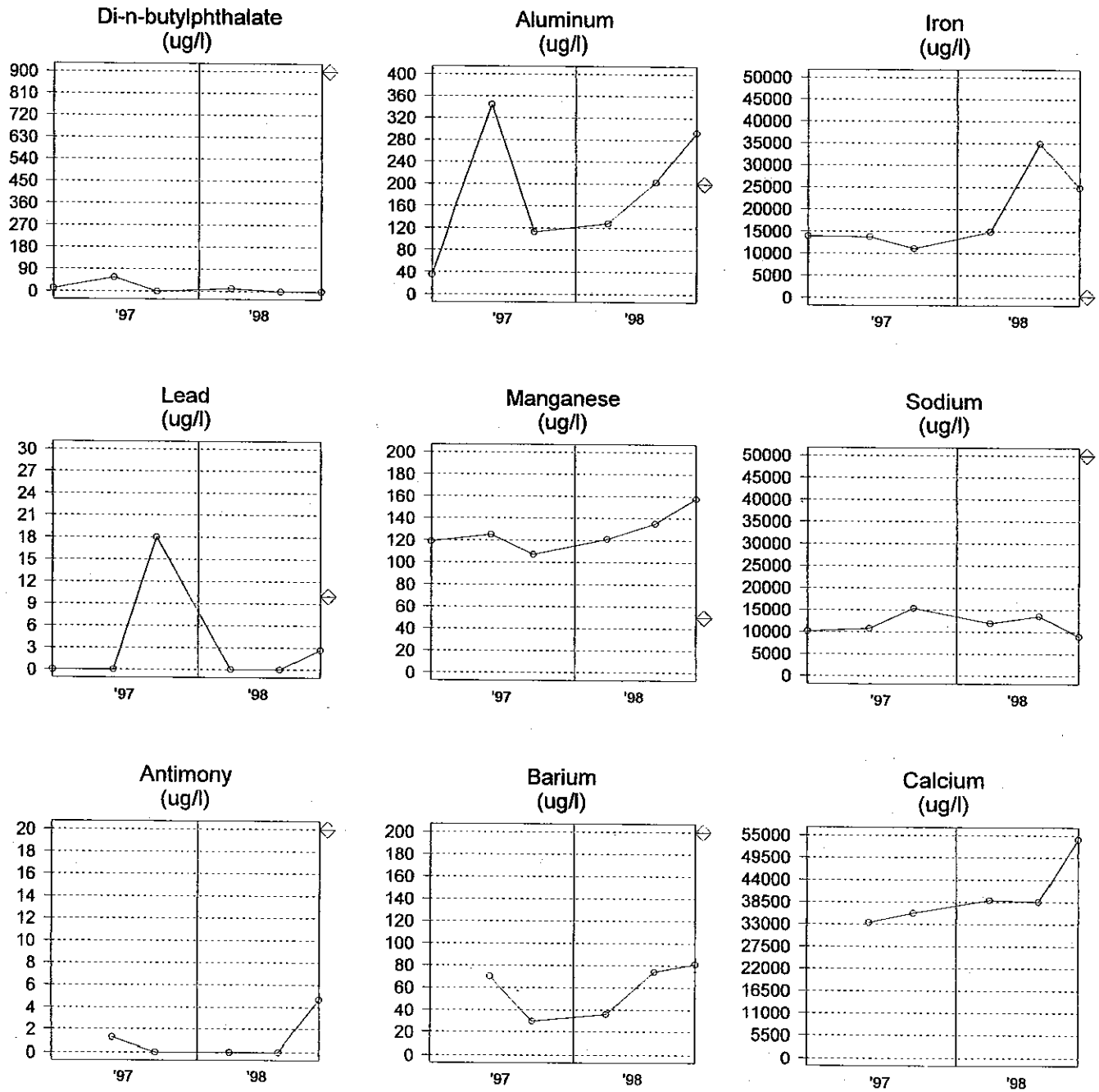
Page 1 of 2.

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3

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



SOURCE: MW-8

Sampling Dates:
05/06/97 - 07/09/98

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3, Graph

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

11-02-1998 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Chromium	Magnesium	Vanadium	Zinc	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	100	NLE	NLE	5000	-					-
05/06/97		-	-	-	-	6.50					V,S,P,M
08/15/97		90	5840	300	ND	6.90					V,S,P,M
10/24/97		1.2	6120	ND	53	7.60					V,S,P,M
02/18/98		ND	5950	ND	12	5.95					V,S,P,M
05/06/98		ND	6460	1.5	4.8	6.18					V,S,P,M
07/09/98		ND	7590	1.49	66.7	6.76					V,S,P,M

SOURCE: MW-8

Sampling Dates:
05/06/97 - 07/09/98

NOTES:

Silver in blank > Criteria in May 97

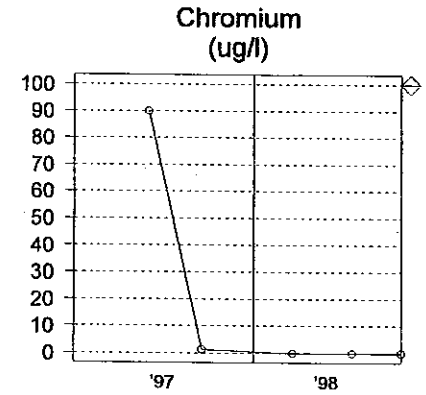
Page 2 of 2.

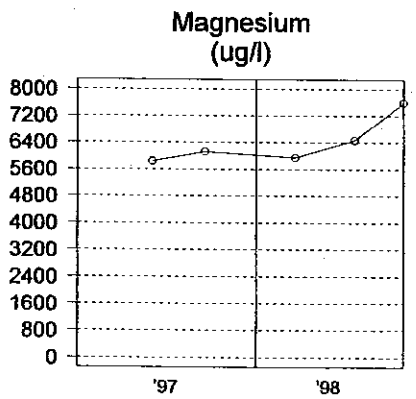
FORT MONMOUTH

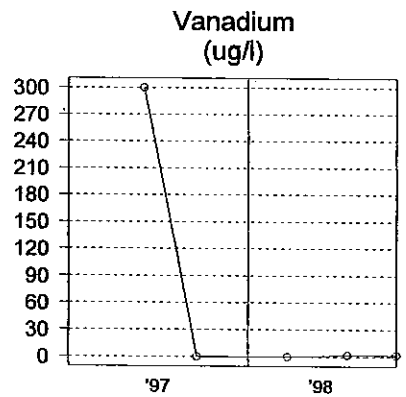
GW MONITORING
Bldg M-4

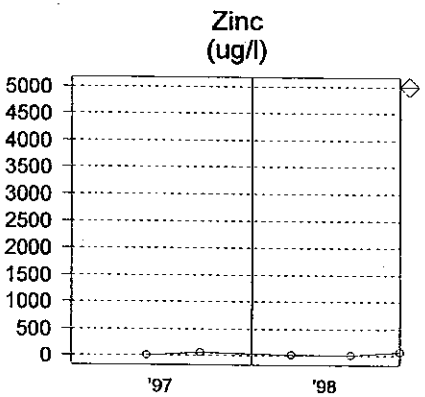
Well 2 of 3

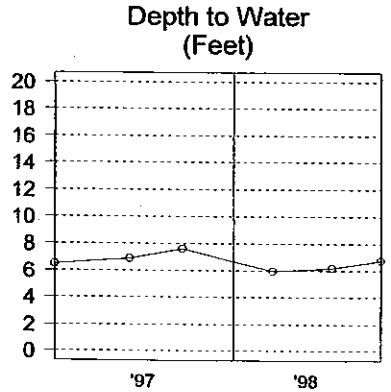
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: MW-8

Sampling Dates:
05/06/97 - 07/09/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3, Graph

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

11-02-1998 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Naphthalene	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	Antimony	Barium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	NLE	900	200	300	10	50	50000	20	200	-
05/06/97		0.26	3.04	91	37000	ND	68	8300	-	-	V,S,P,M
08/15/97		ND	50.5	101.6	7170	ND	64	8270	ND	130	V,S,P,M
10/24/97		ND	11.1	107	14650	9.0	76.5	9800	ND	46.7	V,S,P,M
02/18/98		ND	5.14	80	6019	ND	66	8370	ND	42	V,S,P,M
05/06/98		ND	ND	ND	19630	ND	90.5	9376	ND	80	V,S,P,M
07/09/98		ND	ND	21.2	15500	12.2	58.2	8140	6.52	278	V,S,P,M

SOURCE: MW-9

Sampling Dates:
05/06/97 - 07/09/98

NOTES:

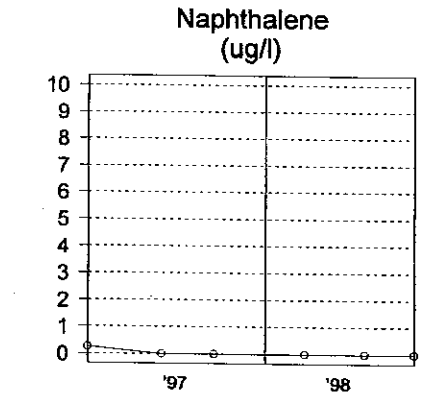
Silver in blank > Criteria in May 97
Page 1 of 2.

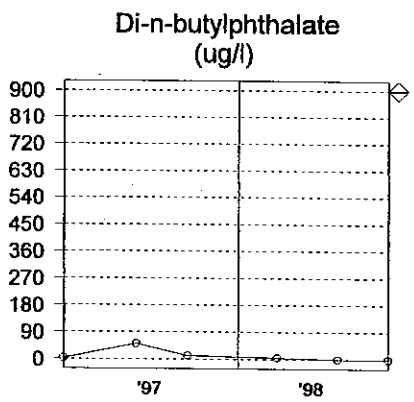
FORT MONMOUTH

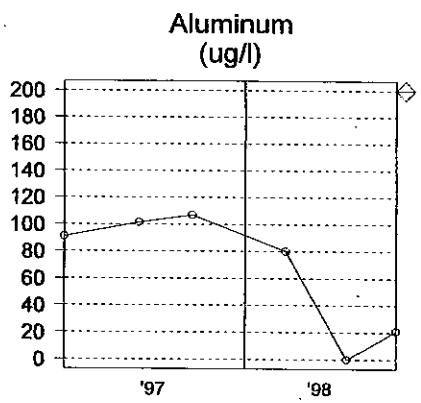
GW MONITORING
Bldg M-4

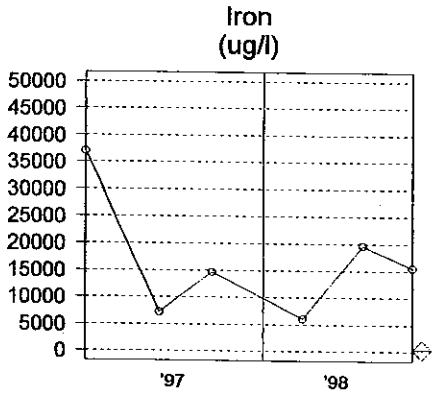
Well 3 of 3

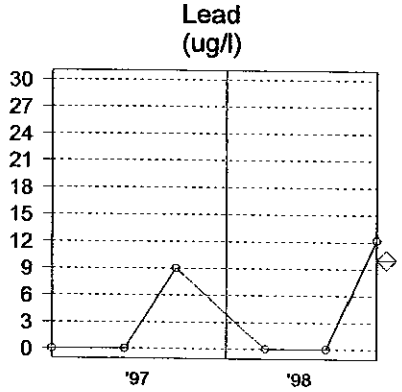
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

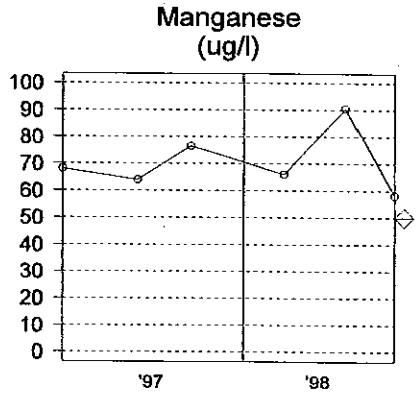


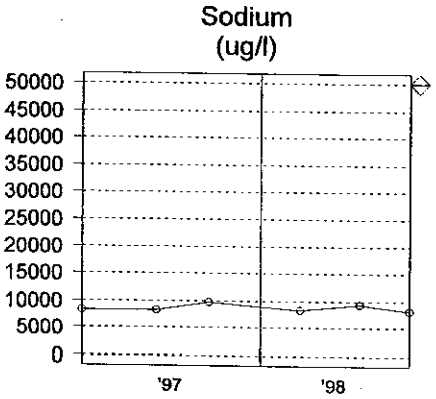


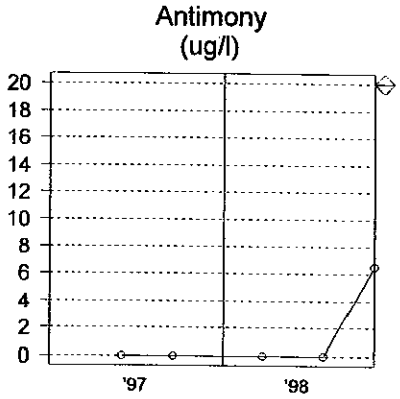


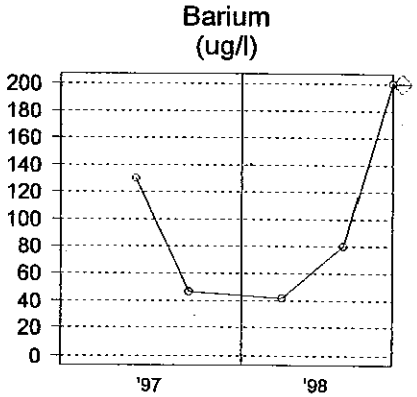












SOURCE: MW-9

Sampling Dates:
05/06/97 - 07/09/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 3, Graph

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

11-02-1998 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	NLE	100	NLE	NLE	5000	-				-
05/06/97		-	-	-	-	-	5.40				V,S,P,M
08/15/97		40010	68	6070	300	ND	6.10				V,S,P,M
10/24/97		42140	1.4	5340	ND	52	6.75				V,S,P,M
02/18/98		44320	ND	5840	ND	43	4.99				V,S,P,M
05/06/98		44510	ND	6243	ND	5.9	5.31				V,S,P,M
07/09/98		45500	ND	5650	ND	98.6	6.12				V,S,P,M

SOURCE: MW-9

Sampling Dates:
05/06/97 - 07/09/98

NOTES:

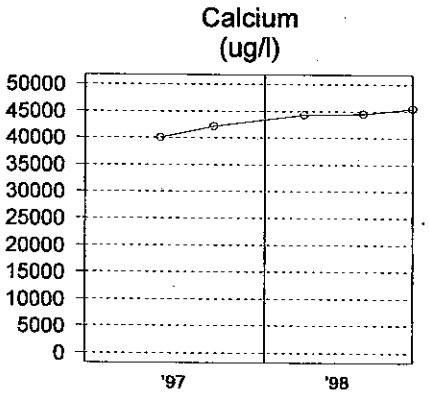
Silver in blank > Criteria in May 97
Page 2 of 2.

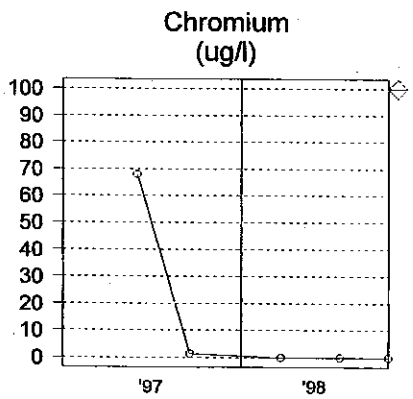
FORT MONMOUTH

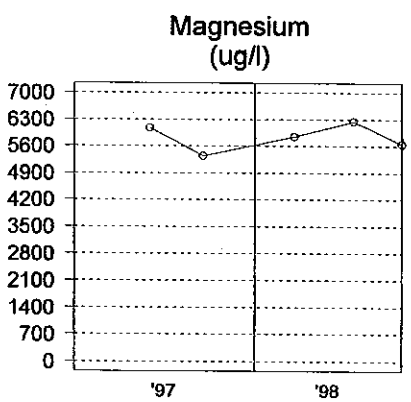
GW MONITORING
Bldg M-4

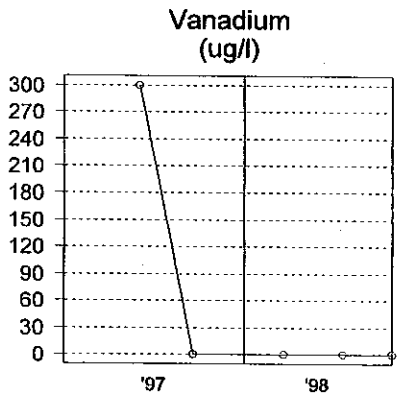
Well 3 of 3

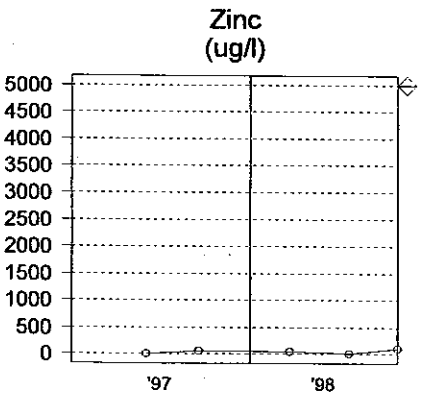
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

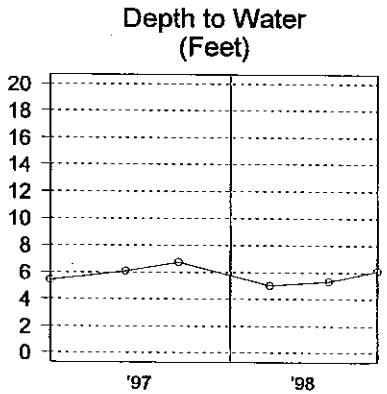












SOURCE: MW-9

Sampling Dates:
05/06/97 - 07/09/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 3, Graph

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

11-02-1998 c:\mtech46\fm\m-4\gw\m4.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-4

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4017.07	MW-07	29-32571	10/29/98
4017.06	MW-08	29-32572	10/29/98
4017.05	MW-09	29-32573	10/29/98

NJDEP Laboratory Certification # 13461

1/26/99

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

12/11/98

M-4 MW 09 Error

Monitoring wells at the M-4 Landfill were sampled on 10/29/98. An error was noted regarding the depth to water readings at MW 09. The depth recorded was 16.88ft. The well is next to a nearby stream whose water level is about 5-7ft at any given time below the land height in area. This makes it impossible for the water in the well to be at the depth recorded. Additionally, previous well sheets are consistent with water being around 5-7ft. The depth is not correct and it is due to an error on the part of the field sampler.

The correct reading is assumed to have been 6.88ft. The reviewers of the data from this well should be aware that all subsequent calculations were based on this error. Instead of 14 gallons, the well should have been purged for 34 gallons.

A review of the analytical data does not indicate any inconsistencies in the results as compared to post analytical data for the site. The process of data collection in the field has been reviewed and amended to include the review of past field data prior to collecting new data, therefore ensuring consistency of data collection in the field.

Corey McCormack

Corey McCormack, Field Technician

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 #: X216223
(✓)DERA ( )OMA ( )Other:_____

Project No:
Location: M-18/M-4 mw's

Samplers Name / Company : Corey McCormack TVS

Comments: HCL/HNO_3/4°c

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOT+15	BNA+25	Pest/PCB	TAL METALS				Hav Read	Remarks / Preservation Method
4017.01	Trip	10/29/98	0715	AQ	2	✓								
.02	Field Blank		1050		5	✓	✓	✓	✓					
.03	mw# 24 M-18		1116		5	✓	✓	✓	✓				✓	0.2 ppm
.04	mw# 25 M-18		1153		5	✓	✓	✓	✓				✓	0.0 ppm
.05	mw # 9 M-4		1455		5	✓	✓	✓	✓				✓	1.7 ppm
.06	mw # 8 M-4		1554		5	✓	✓	✓	✓				✓	0.1 ppm
.07	mw # 7 M-4		1527		5	✓	✓	✓	✓				✓	0.0 ppm
.08	Dupe		—		5	✓	✓	✓	✓					

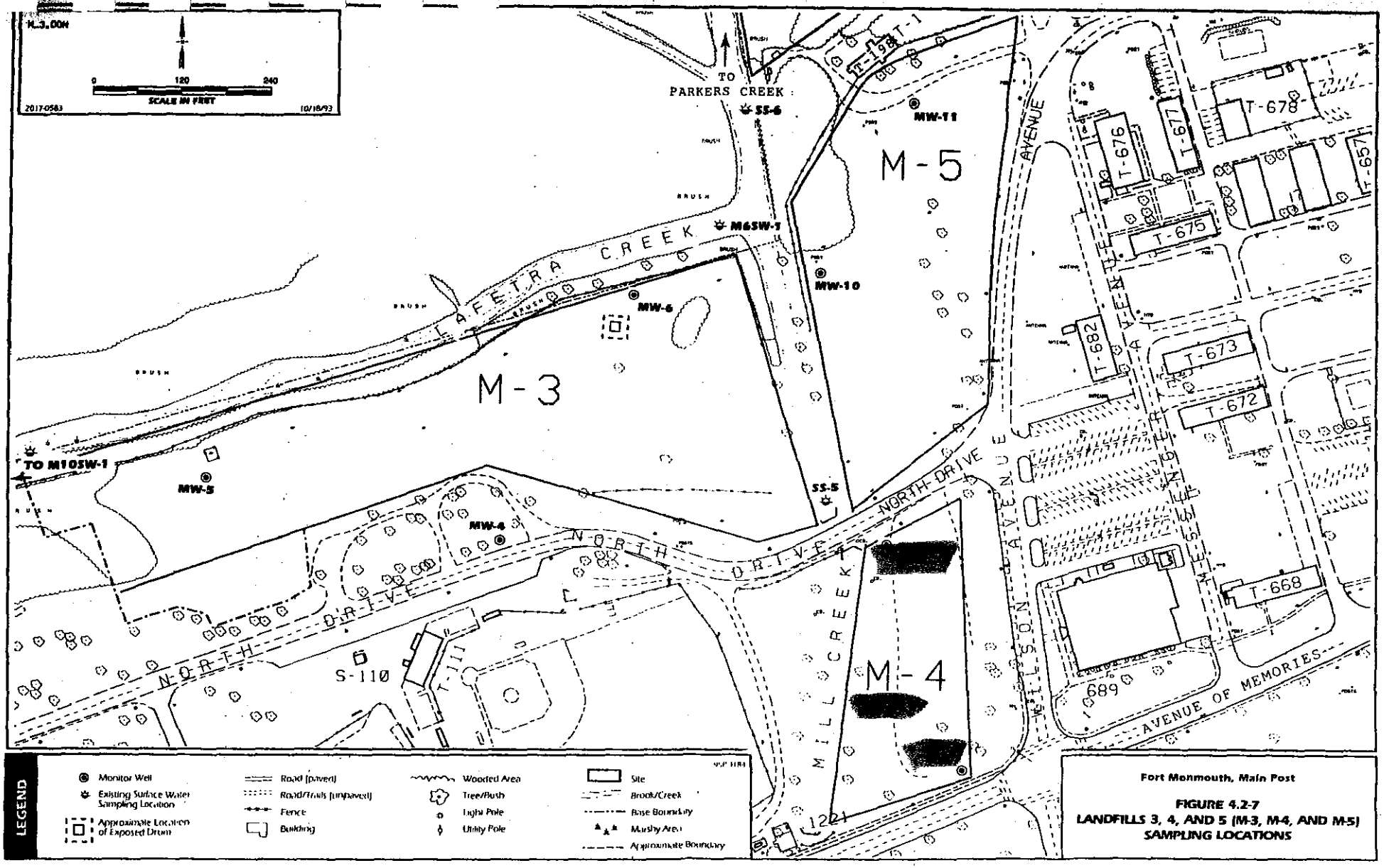
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	10/29/98 1615	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (✓)Standard, (_)Screen / non-certified
Turnaround time: (✓)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____Hrs.

Remarks:

print legibly

coc.XLS10/19/98



Fort Monmouth, Main Post

FIGURE 4.2-7
LANDFILLS 3, 4, AND 5 (M-3, M-4, AND M-5) SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 07
NJDEP ID #: 29-32571
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10 / 29 / 98
WEATHER: Cloudy, cold, windy

ELEV. OF CASING SURVEY MARK: 16.75 ft
DEPTH TO WATER: 9.97 ft
DEPTH OF WELL: 17.61 ft
HEIGHT OF WATER: 7.64 ft
(7.64) X .65 X 3 = 14.89
GALLONS OF H2O TO BE PURGED: 15 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: 1421
pH 6.74 su TEMP 15.4 °C
DISSOLVED O2 9.94 mg/L SPECIFIC CONDUCTIVITY 434 us/cm

PURGE END TIME: 1527
pH 6.68 su TEMP 15.3 °C
DISSOLVED O2 9.97 mg/L SPECIFIC CONDUCTIVITY 301 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.39 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 15 gal

pH 6.65 su TEMP 15.5 °C
DISSOLVED O2 10.03 mg/L SPECIFIC CONDUCTIVITY 271 us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 08
NJDEP ID #: 29-32572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10 / 29 / 98
WEATHER: Cloudy, cold, windy

ELEV. OF CASING SURVEY MARK: 10.68 ft
DEPTH TO WATER: 7.53 ft
DEPTH OF WELL: 19.90 ft
HEIGHT OF WATER: 12.37 ft
(12.37) X .65 X 3 = 24.12
GALLONS OF H2O TO BE PURGED: 24 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.22 gpm
Hnu READING: 0.1 ppm

PURGE START TIME: 1408
pH 7.55 su TEMP 15.9 °C
DISSOLVED O2 6.55 mg/L SPECIFIC CONDUCTIVITY 503 us/cm

PURGE END TIME: 1554
pH 7.51 su TEMP 15.6 °C
DISSOLVED O2 10.27 mg/L SPECIFIC CONDUCTIVITY 353 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.52 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 24 gal

pH 7.48 su TEMP 15.4 °C
DISSOLVED O2 10.39 mg/L SPECIFIC CONDUCTIVITY 346 us/cm

COMMENTS: Turned cloudy as bailing.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 09
NJDEP ID #: 29-32573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10 / 29 / 98
WEATHER: Cloudy, windy, cold

ELEV. OF CASING SURVEY MARK: 9.69 ft
DEPTH TO WATER: 16.88 ft
DEPTH OF WELL: 24.25 ft
HEIGHT OF WATER: 7.37 ft
(7.37) X .65 X 3 = 14.37
GALLONS OF H2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 1.7 ppm

PURGE START TIME: 1355
pH 7.65 su TEMP 15.4 °C
DISSOLVED O2 10.39 mg/L SPECIFIC CONDUCTIVITY 118 us/cm

PURGE END TIME: 1455
pH 7.36 su TEMP 15.5 °C
DISSOLVED O2 10.23 mg/L SPECIFIC CONDUCTIVITY 279 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 17.23 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 14 gal

pH 7.29 su TEMP 15.3 °C
DISSOLVED O2 10.11 mg/L SPECIFIC CONDUCTIVITY 385 us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 09
NJDEP ID #: 29-32573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10 / 29 / 98
WEATHER: Cloudy, windy, cold

ELEV. OF CASING SURVEY MARK: 9.69 ft
DEPTH TO WATER: 6.88 ft *CORRECT DEPTH OF WATER
DEPTH OF WELL: 24.25 ft
HEIGHT OF WATER: 17.37 ft ***CORRECT HEIGHT OF WATER**
(17.37) X .65 X 3 = 33.87
GALLONS OF H2O TO BE PURGED: 34 gal *** CORRECT PURGE AMOUNT**
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 1.7 ppm

PURGE START TIME: 1355 ***TIME FOR START OF PURGE IS CORRECT**
pH 7.65 su TEMP 15.4 °C
DISSOLVED O2 10.39 mg/L SPECIFIC CONDUCTIVITY 118 us/cm

PURGE END TIME: 1455 ***TIME IS END OF PURGE FOR 14 GALLONS ONLY!!**
pH 7.36 su TEMP 15.5 °C
DISSOLVED O2 10.23 mg/L SPECIFIC CONDUCTIVITY 279 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 17.23 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 14 gal

pH 7.29 su TEMP 15.3 °C
DISSOLVED O2 10.11 mg/L SPECIFIC CONDUCTIVITY 385 us/cm

COMMENTS:

CASE NARRATIVE

Site: Bldg. M-4

Lab ID: 4017

The duplicate analysis was performed on MW-09 (4017.05).

Acetone was detected in the trip blank, field blank, MW-07, MW-08, MW-09 and the field duplicate at low levels.

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	Sample Name	VBLK63
Operator	Skelton	Field ID	VBLK63
Date Acquired	6 Nov 98 12:13 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

Vblk63

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4017 SDG No _____ Location M-18/M-4

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: 10/29/98

% 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	**vb02018.d**	Sample Name	**4017.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**6 Nov 98 3:25 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	10.52	86519	10.32 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	16.72	81712	6.68 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

Trip Blank

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4017 SDG No _____ Location M-18/M-4

Matrix: (soil/water) WATER Lab Sample ID: 4017.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02018.D

Level: (low/med) LOW Date Received: 10/29/98

% 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	**vb02019.d**	Sample Name	**4017.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**6 Nov 98 4:09 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	10.51	323136	38.92 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	19.98	87326	1.64 ug/L	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	25.82	67749	3.82 ug/L	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.: 4017 SDG No _____ Location M-18/M-4

Matrix: (soil/water) WATER Lab Sample ID: 4017.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02019.D

Level: (low/med) LOW Date Received: 10/29/98

% 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	**vb02024.d**	Sample Name	**4017.07**
Operator	**Skelton**	Field ID	**MW#7**
Date Acquired	**6 Nov 98 7:51 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	10.52	66593	8.46 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 #7

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4017 SDG No _____ Location M-18/M-4

Matrix: (soil/water) WATER Lab Sample ID: 4017.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02024.D

Level: (low/med) LOW Date Received: 10/29/98

% 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	vb02023.d	Sample Name	4017.06
Operator	Skelton	Field ID	MW#8
Date Acquired	6 Nov 98 7:07 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	104096	13.01 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 #8

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4017 SDG No _____ Location M-18/M-4

Matrix: (soil/water) WATER Lab Sample ID: 4017.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02023.D

Level: (low/med) LOW Date Received: 10/29/98

% 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	vb02022.d	Sample Name	4017.05
Operator	Skelton	Field ID	MW#9
Date Acquired	6 Nov 98 6:22 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	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	128434	16.17 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	16.72	66208	5.72 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

MW #9

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4017 SDG No _____ Location M-18/M-4

Matrix: (soil/water) WATER Lab Sample ID: 4017.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02022.D

Level: (low/med) LOW Date Received: 10/29/98

% 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	**vb02025.d**	Sample Name	**4017.08**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**6 Nov 98 8:35 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	10.52	90297	11.38 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	16.72	43917	3.80 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

Dupe

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4017 SDG No _____ Location M-18/M-4

Matrix: (soil/water) WATER Lab Sample ID: 4017.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02025.D

Level: (low/med) LOW Date Received: 10/29/98

% 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

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

Data File Name	bna01187.d	Sample Name	SBLK156
Operator	Skelton	Misc Info	SBLK156 A 981102
Date Acquired	6 Nov 1998 1:32 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	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Sblk156

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4017 Location M18/M SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: SBLK156

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA01187.D

Level: (low/med) LOW Date Received: 10/29/98

% Moisture: decanted: (Y/N) N Date Extracted: 11/02/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/06/98

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. 000301-02-0	9-Octadecenamide, (Z)-	23.25	27	JN

Semi-Volatile Analysis Report
Page 2

Data File Name	bna01187.d	Sample Name	SBLK156
Operator	Skelton	Misc Info	SBLK156 A 981102
Date Acquired	6 Nov 1998 1:32 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

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

Data File Name	**bna01148.d**	Sample Name	**4017.02**
Operator	**Skelton**	Misc Info	**Field Blank**
Date Acquired	**4 Nov 1998 7:21 pm**	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	bna01148.d	Sample Name	4017.02
Operator	Skelton	Misc Info	Field Blank
Date Acquired	4 Nov 1998 7:21 pm	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

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Field Blank

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4017 Location M18/M SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4017.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA01148.D

Level: (low/med) LOW Date Received: 10/29/98

% Moisture: decanted: (Y/N) N Date Extracted: 11/02/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/04/98

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. 000301-02-0	9-Octadecenamide, (Z)-	23.25	28	JN
2.	unknown	26.42	49	J

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

Data File Name	bna01153.d	Sample Name	4017.07
Operator	Skelton	Misc Info	MW#7
Date Acquired	4 Nov 1998 10:52 pm	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
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Data File Name	bna01153.d	Sample Name	4017.07
Operator	Skelton	Misc Info	MW#7
Date Acquired	4 Nov 1998 10:52 pm	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

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW#7

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4017 Location M18/M SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4017.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA01153.D

Level: (low/med) LOW Date Received: 10/29/98

% Moisture: decanted: (Y/N) N Date Extracted: 11/02/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/04/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000301-02-0	9-Octadecenamide, (Z)-	23.26	29	JN
2.	unknown	26.42	54	J

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

Data File Name	bna01152.d	Sample Name	4017.06
Operator	Skelton	Misc Info	MW#8
Date Acquired	4 Nov 1998 10:10 pm	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	**bna01152.d**	Sample Name	**4017.06**
Operator	**Skelton**	Misc Info	**MW#8**
Date Acquired	**4 Nov 1998 10:10 pm**	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

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW#8

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4017 Location M18/M SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4017.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA01152.D

Level: (low/med) LOW Date Received: 10/29/98

% Moisture: decanted: (Y/N) N Date Extracted: 11/02/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/04/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000301-02-0	9-Octadecenamide, (Z)-	23.27	38	JN
2.	unknown	26.43	64	J

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

Data File Name	bna01151.d	Sample Name	4017.05
Operator	Skelton	Misc Info	MW#9
Date Acquired	4 Nov 1998 9:28 pm	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	bna01151.d	Sample Name	4017.05
Operator	Skelton	Misc Info	MW#9
Date Acquired	4 Nov 1998 9:28 pm	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

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

MW#9

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4017 Location M18/M SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4017.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA01151.D

Level: (low/med) LOW Date Received: 10/29/98

% Moisture: decanted: (Y/N) N Date Extracted: 11/02/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/04/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000301-02-0	9-Octadecenamide, (Z)-	23.27	36	JN
2.	unknown	26.43	70	J

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

Data File Name	**bna01154.d**	Sample Name	**4017.08**
Operator	**Skelton**	Misc Info	**Dupe**
Date Acquired	**4 Nov 1998 11:33 pm**	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	**bna01154.d**	Sample Name	**4017.08**
Operator	**Skelton**	Misc Info	**Dupe**
Date Acquired	**4 Nov 1998 11:33 pm**	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

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Dupe

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4017 Location M18/M SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4017.08

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA01154.D

Level: (low/med) LOW Date Received: 10/29/98

% Moisture: decanted: (Y/N) N Date Extracted: 11/02/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/04/98

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. 000301-02-0	9-Octadecenamide, (Z)-	23.28	70	JN
2.	unknown	26.44	120	J

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

Client :	U.S. Army	**Lab. ID # :**	BLK229
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	10/30/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/28/98

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 # :**	4017.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/29/98
	Bldg. 173	**Extraction Date:**	10/30/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/28/98
Analysis:	EPA Method 608	**Location :**	M-18/M-4
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 # :**	4017.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/29/98
	Bldg. 173	**Extraction Date:**	10/30/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/28/98
Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-7
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 # :**	4017.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/29/98
	Bldg. 173	**Extraction Date:**	10/30/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/28/98
Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-8
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 # :**	4017.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/29/98
	Bldg. 173	**Extraction Date:**	10/30/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/28/98
Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-9
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 # :**	4017.08
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/29/98
	Bldg. 173	**Extraction Date:**	10/30/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/28/98
Analysis:	EPA Method 608	**Location :**	M-4
Matrix:	Aqueous		
Analyst:	D. Wright	**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/.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 #: 4017
Sample Prepared: 11/03/98

Site: M-18/M-4
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	11/05/98	71.0	200	10.0
Antimony	11/05/98	ND	20	2.0
Arsenic	11/05/98	ND	8	2.0
Barium	11/05/98	3.02	2000	0.5
Beryllium	11/05/98	0.508	20	0.5
Cadmium	11/05/98	ND	4	0.5
Calcium	11/05/98	103	NLE	20.0
Chromium	11/05/98	ND	100	0.5
Cobalt	11/05/98	ND	NLE	0.5
Copper	11/05/98	15.4	1000	3.0
Iron	11/05/98	62.3	300	10.0
Lead	11/05/98	ND	10	2.0
Magnesium	11/05/98	51.1	NLE	20.0
Manganese	11/05/98	ND	50	0.5
Mercury	11/05/98	ND	2	0.1
Nickel	11/05/98	2.06	100	0.5
Potassium	11/05/98	ND	NLE	20.0
Selenium	11/05/98	ND	50	3.0
Silver	11/05/98	ND	20	3.0
Sodium	11/05/98	ND	50000	20.0
Thallium	11/05/98	ND	10	3.0
Vanadium	11/05/98	ND	NLE	1.0
Zinc	11/05/98	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 #: 4017.02
Sample Received: 10/29/98
Sample Matrix: Aqueous

Site: M-18/M-4
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	11/05/98	ND	200	10.0
Antimony	11/05/98	ND	20	2.0
Arsenic	11/05/98	ND	8	2.0
Barium	11/05/98	3.50	2000	0.5
Beryllium	11/05/98	ND	20	0.5
Cadmium	11/05/98	ND	4	0.5
Calcium	11/05/98	126	NLE	20.0
Chromium	11/05/98	ND	100	0.5
Cobalt	11/05/98	0.702	NLE	0.5
Copper	11/05/98	7.19	1000	3.0
Iron	11/05/98	61.7	300	10.0
Lead	11/05/98	ND	10	2.0
Magnesium	11/05/98	ND	NLE	20.0
Manganese	11/05/98	1.52	50	0.5
Mercury	11/05/98	ND	2	0.1
Nickel	11/05/98	1.21	100	0.5
Potassium	11/05/98	ND	NLE	20.0
Selenium	11/05/98	ND	50	3.0
Silver	11/05/98	ND	20	3.0
Sodium	11/05/98	47.8	50000	20.0
Thallium	11/05/98	ND	10	3.0
Vanadium	11/05/98	ND	NLE	1.0
Zinc	11/05/98	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 #: 4017.07
Sample Received: 10/29/98
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW #7

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/05/98	582	200	10.0
Antimony	11/05/98	3.96	20	2.0
Arsenic	11/05/98	ND	8	2.0
Barium	11/05/98	94.7	2000	0.5
Beryllium	11/05/98	ND	20	0.5
Cadmium	11/05/98	ND	4	0.5
Calcium	11/05/98	14500	NLE	20.0
Chromium	11/05/98	1.22	100	0.5
Cobalt	11/05/98	2.82	NLE	0.5
Copper	11/05/98	ND	1000	3.0
Iron	11/05/98	1830	300	10.0
Lead	11/05/98	ND	10	2.0
Magnesium	11/05/98	6780	NLE	20.0
Manganese	11/05/98	53.6	50	0.5
Mercury	11/05/98	ND	2	0.1
Nickel	11/05/98	6.09	100	0.5
Potassium	11/05/98	4200	NLE	20.0
Selenium	11/05/98	ND	50	3.0
Silver	11/05/98	ND	20	3.0
Sodium	11/05/98	29300	50000	20.0
Thallium	11/05/98	ND	10	3.0
Vanadium	11/05/98	ND	NLE	1.0
Zinc	11/05/98	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 #: 4017.06
Sample Received: 10/29/98
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW #8

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/05/98	15.8	200	10.0
Antimony	11/05/98	5.36	20	2.0
Arsenic	11/05/98	ND	8	2.0
Barium	11/05/98	40.9	2000	0.5
Beryllium	11/05/98	ND	20	0.5
Cadmium	11/05/98	ND	4	0.5
Calcium	11/05/98	45500	NLE	20.0
Chromium	11/05/98	ND	100	0.5
Cobalt	11/05/98	ND	NLE	0.5
Copper	11/05/98	ND	1000	3.0
Iron	11/05/98	15400	300	10.0
Lead	11/05/98	ND	10	2.0
Magnesium	11/05/98	8070	NLE	20.0
Manganese	11/05/98	135	50	0.5
Mercury	11/05/98	ND	2	0.1
Nickel	11/05/98	ND	100	0.5
Potassium	11/05/98	10200	NLE	20.0
Selenium	11/05/98	ND	50	3.0
Silver	11/05/98	ND	20	3.0
Sodium	11/05/98	19600	50000	20.0
Thallium	11/05/98	ND	10	3.0
Vanadium	11/05/98	ND	NLE	1.0
Zinc	11/05/98	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 #: 4017.05
Sample Received: 10/29/98
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: MW #9

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/05/98	ND	200	10.0
Antimony	11/05/98	6.52	20	2.0
Arsenic	11/05/98	ND	8	2.0
Barium	11/05/98	72.4	2000	0.5
Beryllium	11/05/98	ND	20	0.5
Cadmium	11/05/98	ND	4	0.5
Calcium	11/05/98	43700	NLE	20.0
Chromium	11/05/98	ND	100	0.5
Cobalt	11/05/98	ND	NLE	0.5
Copper	11/05/98	5.21	1000	3.0
Iron	11/05/98	14000	300	10.0
Lead	11/05/98	ND	10	2.0
Magnesium	11/05/98	5480	NLE	20.0
Manganese	11/05/98	41.9	50	0.5
Mercury	11/05/98	ND	2	0.1
Nickel	11/05/98	ND	100	0.5
Potassium	11/05/98	9520	NLE	20.0
Selenium	11/05/98	ND	50	3.0
Silver	11/05/98	ND	20	3.0
Sodium	11/05/98	8190	50000	20.0
Thallium	11/05/98	ND	10	3.0
Vanadium	11/05/98	ND	NLE	1.0
Zinc	11/05/98	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 #: 4017.08
Sample Received: 10/29/98
Sample Matrix: Aqueous

Site: M-18/M-4
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	11/05/98	ND	200	10.0
Antimony	11/05/98	3.80	20	2.0
Arsenic	11/05/98	ND	8	2.0
Barium	11/05/98	72.9	2000	0.5
Beryllium	11/05/98	ND	20	0.5
Cadmium	11/05/98	ND	4	0.5
Calcium	11/05/98	41700	NLE	20.0
Chromium	11/05/98	ND	100	0.5
Cobalt	11/05/98	ND	NLE	0.5
Copper	11/05/98	ND	1000	3.0
Iron	11/05/98	14100	300	10.0
Lead	11/05/98	ND	10	2.0
Magnesium	11/05/98	5150	NLE	20.0
Manganese	11/05/98	39.2	50	0.5
Mercury	11/05/98	ND	2	0.1
Nickel	11/05/98	ND	100	0.5
Potassium	11/05/98	8660	NLE	20.0
Selenium	11/05/98	ND	50	3.0
Silver	11/05/98	ND	20	3.0
Sodium	11/05/98	7480	50000	20.0
Thallium	11/05/98	ND	10	3.0
Vanadium	11/05/98	ND	NLE	1.0
Zinc	11/05/98	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

	Lab	Acetone	Naphthalene	Di-n-butyl phthalate	4,4'-DDT	Aluminum	Iron	Lead	Manganese	Silver	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	NLE	900	0.1	200	300	10	50	20	-
05/06/97		ND	0.34	5.96	ND	1500	160	ND	90	21	58300
08/15/97		ND	ND	61	ND	620	820	ND	81	ND	55150
10/24/97		ND	ND	2.28	ND	559	2491	20	50.3	ND	17860
02/18/98		ND	ND	8.18	ND	538	163	ND	40.7	ND	27110
05/06/98		ND	ND	ND	ND	962	1621	ND	24.9	ND	19310
07/09/98		ND	ND	ND	0.0015	969	3770	7.96	39.7	ND	28500
10/29/98		8.46	ND	ND	ND	582	1830	ND	53.6	ND	29300

SOURCE: MW-7

Sampling Dates:
05/06/97 - 10/29/98

NOTES:

Silver in blank > Criteria in May 97

Page 1 of 2.

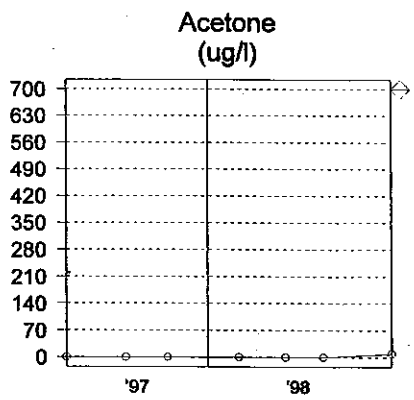
FORT MONMOUTH

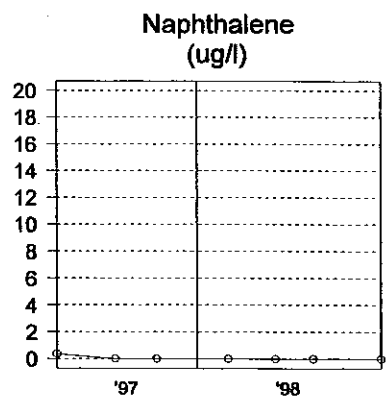
GW MONITORING
Bldg M-4

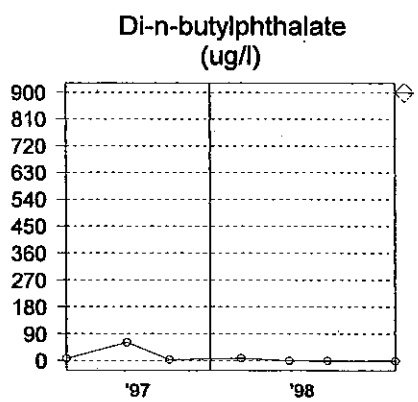
Well 1 of 3

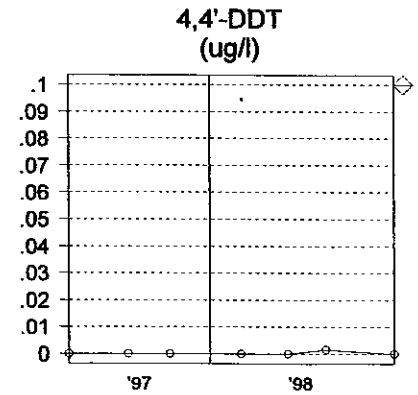
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

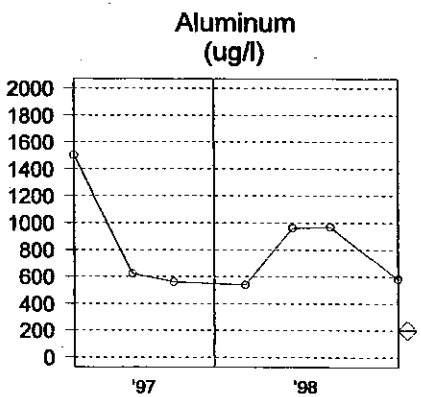
12-11-1998 c:\mtech46\fm\m-4\gw\m4.wsf

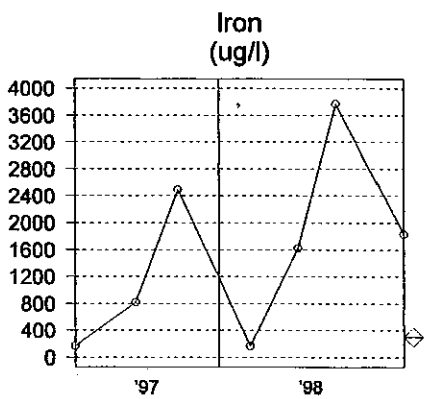


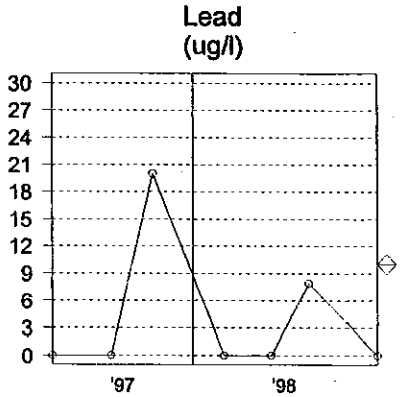


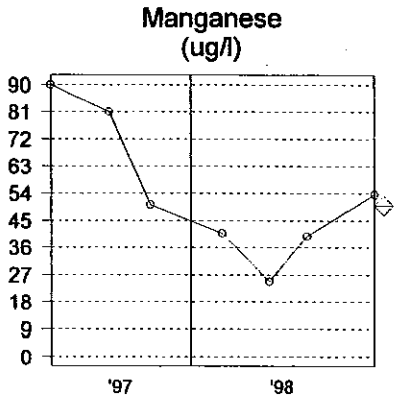


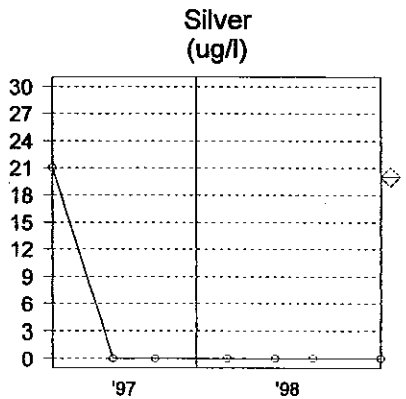












SOURCE: MW-7

Sampling Dates:
05/06/97 - 10/29/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3, Graph

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

12-11-1998 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Sodium	Antimony	Barium	Calcium	Chromium	Magnesium	Vanadium	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:	-	50000	20	200	NLE	100	NLE	NLE	5000	-	-
05/06/97		58300	-	-	-	-	-	-	-	7.70	58300
08/15/97		55150	1.1	100	15440	89	7070	300	42	9.15	55150
10/24/97		17860	ND	83.6	9680	1.8	5530	ND	75	9.70	17860
02/18/98		27110	ND	32.4	13760	ND	4070	ND	46	6.40	27110
05/06/98		19310	ND	18.5	8562	1.4	2882	3.2	12.8	6.92	19310
07/09/98		28500	5.45	28.1	11100	ND	3230	5.34	66.5	8.63	28500
10/29/98		29300	3.96	94.7	14500	1.22	6780	ND	23.7	9.97	29300

SOURCE: MW-7

Sampling Dates:
05/06/97 - 10/29/98

NOTES:

Silver in blank > Criteria in May 97

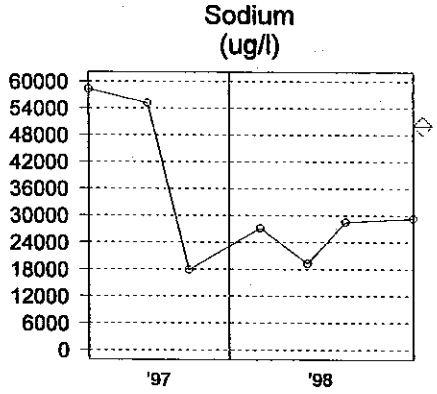
Page 2 of 2.

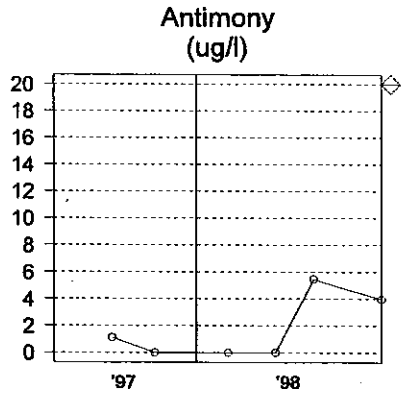
FORT MONMOUTH

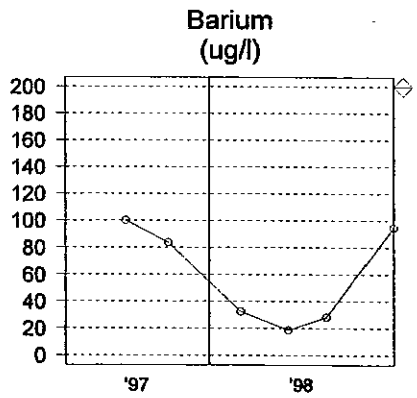
GW MONITORING
Bldg M-4

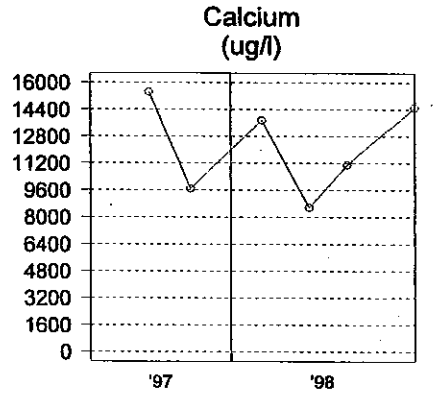
Well 1 of 3

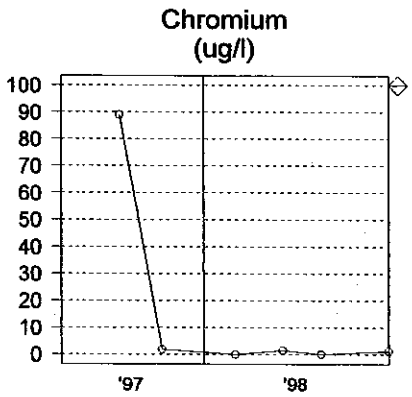
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

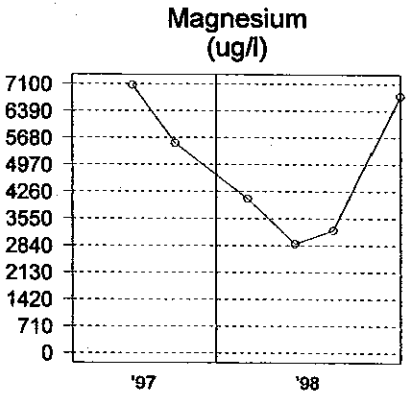


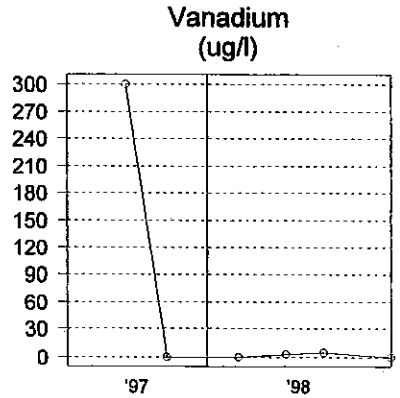


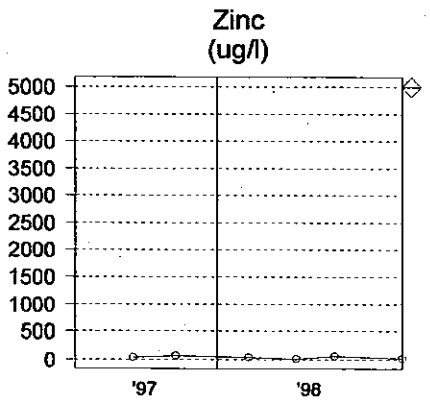


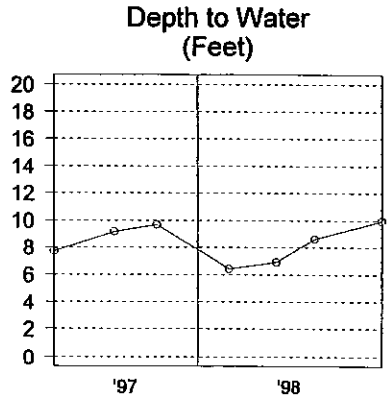












SOURCE: MW-7

Sampling Dates:
05/06/97 - 10/29/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3, Graph

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

12-11-1998 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Acetone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	Antimony	Barium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	900	200	300	10	50	50000	20	200	-
05/06/97		ND	11.67	35	13900	ND	119	10100	-	-	10100
08/15/97		ND	56	344	13760	ND	125	10750	1.3	70	10750
10/24/97		ND	ND	113	11060	18	107	15360	ND	29.5	15360
02/18/98		ND	10.8	128	14930	ND	121	11960	ND	36	11960
05/06/98		ND	ND	203	34950	ND	135	13560	ND	74	13560
07/09/98		ND	ND	293	24900	2.7	158	8970	4.72	81.1	8970
10/29/98		13.01	ND	15.8	15400	ND	135	19600	5.36	40.9	19600

SOURCE: MW-8

Sampling Dates:
05/06/97 - 10/29/98

NOTES:

Silver in blank > Criteria in May 97

Page 1 of 2.

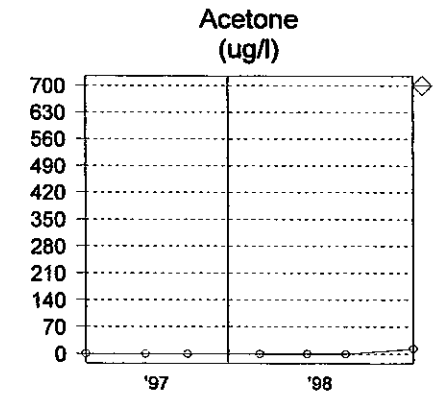
FORT MONMOUTH

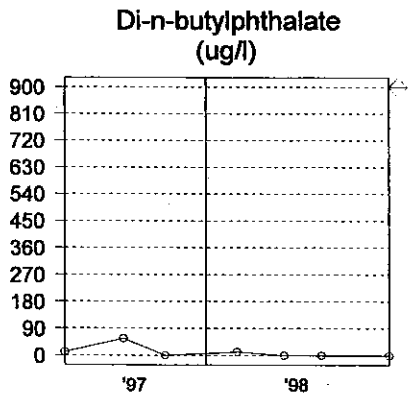
GW MONITORING
Bldg M-4

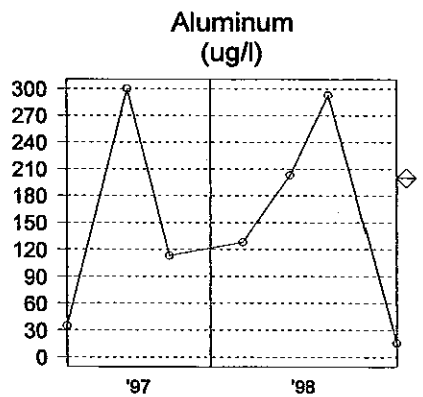
Well 2 of 3

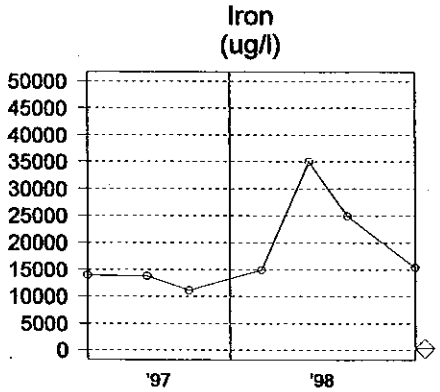
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

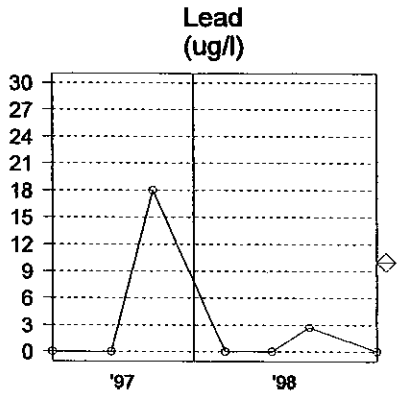
12-11-1998 c:\mtech46\fm\m-4\gw\m4.wsf

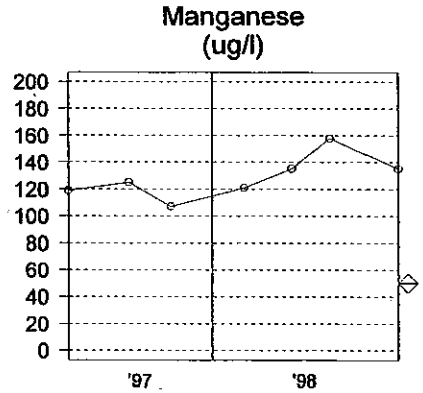


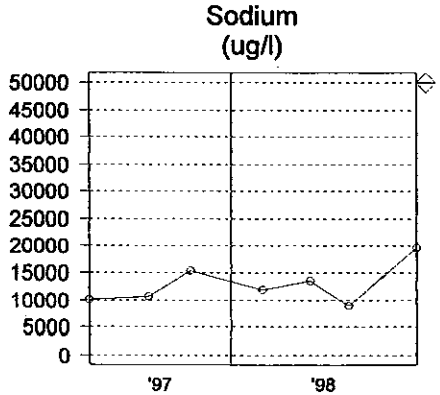


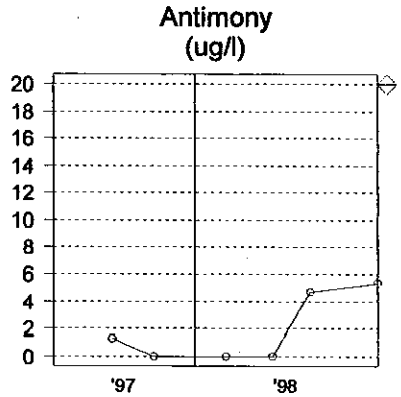


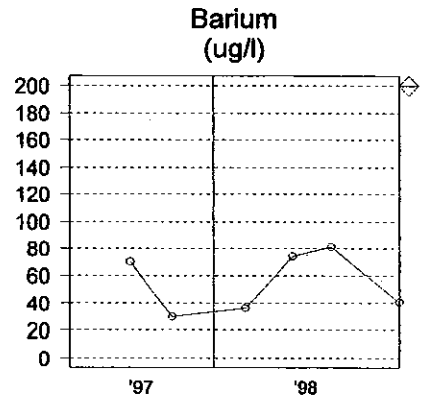












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Sampling Dates:
05/06/97 - 10/29/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3, Graph

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

12-11-1998 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Calcium	Magnesium	Vanadium	Zinc	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	NLE	NLE	NLE	5000	-					-
05/06/97		-	-	-	-	6.50					10100
08/15/97		33340	5840	300	ND	6.90					10750
10/24/97		35680	6120	ND	53	7.60					15360
02/18/98		38960	5950	ND	12	5.95					11960
05/06/98		38520	6460	1.5	4.8	6.18					13560
07/09/98		54000	7590	1.49	66.7	6.76					8970
10/29/98		45500	8070	ND	ND	7.53					19600

SOURCE: MW-8

Sampling Dates:
05/06/97 - 10/29/98

NOTES:

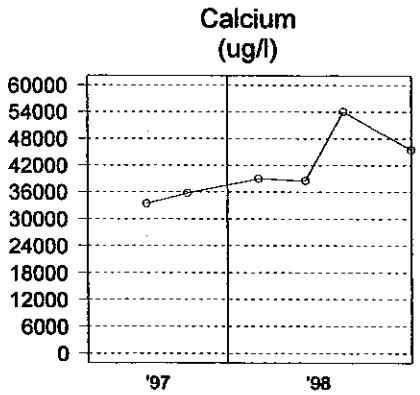
Silver in blank > Criteria in May 97

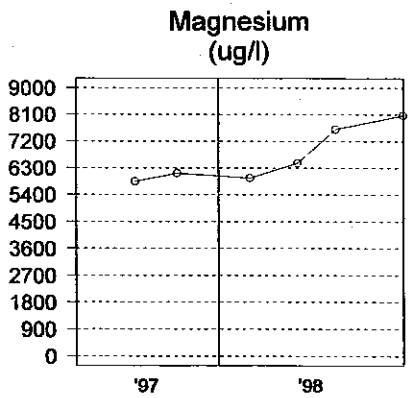
FORT MONMOUTH

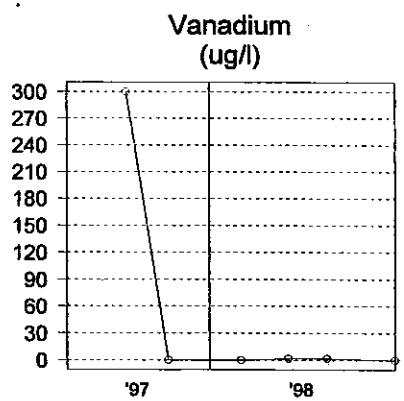
GW MONITORING
Bldg M-4

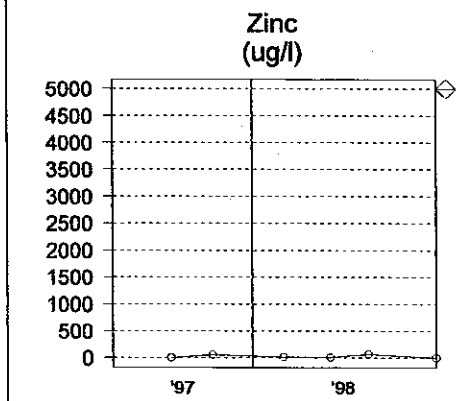
Well 2 of 3

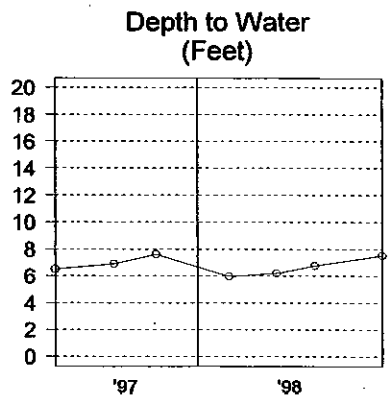
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: MW-8

Sampling Dates:
05/06/97 - 10/29/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3, Graph

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

12-11-1998 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Acetone	2-But anone	Naphtha lene	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	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	200	300	10	50	50000	-
05/06/97		ND	ND	0.26	3.04	91	37000	ND	68	8300	8300
08/15/97		ND	ND	ND	50.5	101.6	7170	ND	64	8270	8270
10/24/97		ND	ND	ND	11.1	107	14650	9.0	76.5	9800	9800
02/18/98		ND	ND	ND	5.14	80	6019	ND	66	8370	8370
05/06/98		ND	ND	ND	ND	ND	19630	ND	90.5	9376	9376
07/09/98		ND	ND	ND	ND	21.2	15500	12.2	58.2	8140	8140
10/29/98		16.17	5.72	ND	ND	ND	14000	ND	41.9	8190	8190

SOURCE: MW-9

Sampling Dates:
05/06/97 - 10/29/98

NOTES:

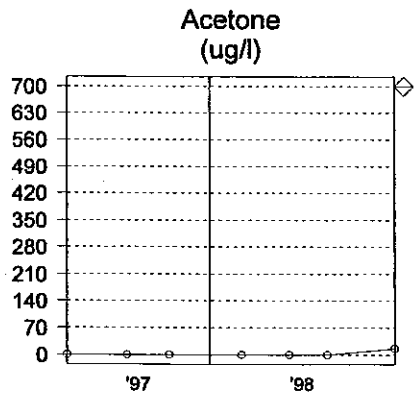
Silver in blank > Criteria in May 97
Page 1 of 2.

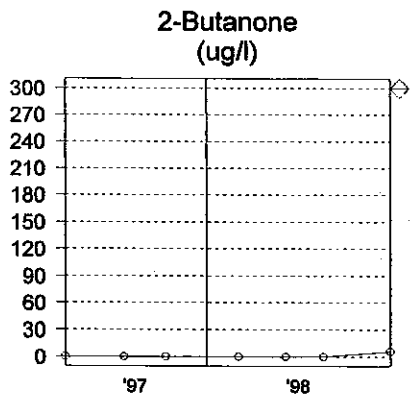
FORT MONMOUTH

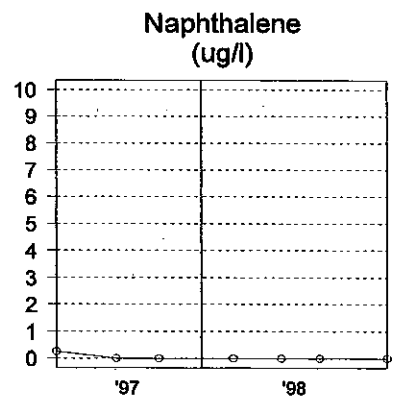
GW MONITORING
Bldg M-4

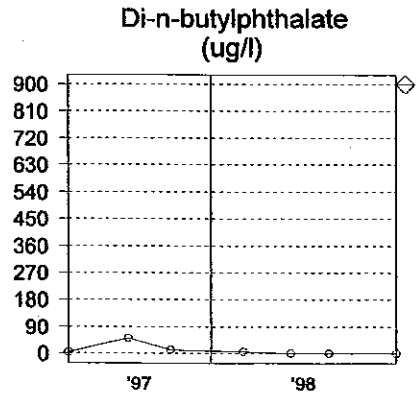
Well 3 of 3

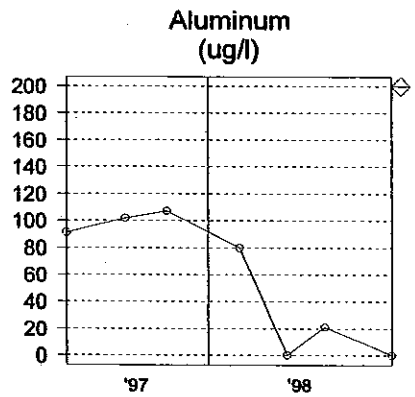
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

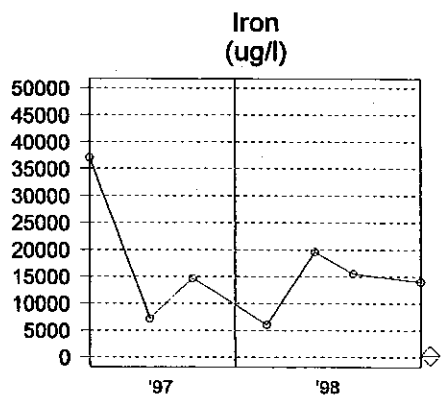


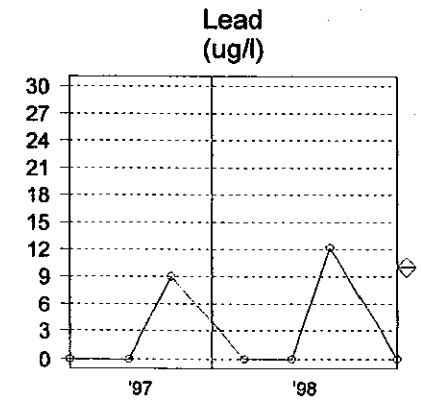


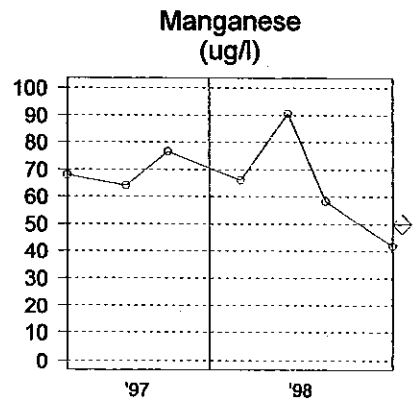


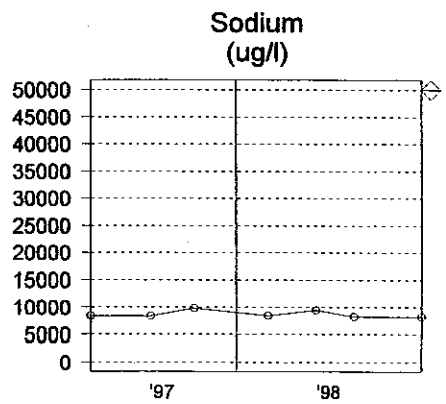












SOURCE: MW-9

Sampling Dates:
05/06/97 - 10/29/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 3, Graph

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

12-11-1998 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Antimony	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	20	200	NLE	100	NLE	NLE	5000	-		-
05/06/97		-	-	-	-	-	-	-	5.40		8300
08/15/97		ND	130	40010	68	6070	300	ND	6.10		8270
10/24/97		ND	46.7	42140	1.4	5340	ND	52	6.75		9800
02/18/98		ND	42	44320	ND	5840	ND	43	4.99		8370
05/06/98		ND	80	44510	ND	6243	ND	5.9	5.31		9376
07/09/98		6.52	278	45500	ND	5650	ND	98.6	6.12		8140
10/29/98		6.52	72.4	43700	ND	5480	ND	ND	6.88		8190

SOURCE: MW-9

Sampling Dates:
05/06/97 - 10/29/98

NOTES:

Silver in blank > Criteria in May 97
Page 2 of 2.

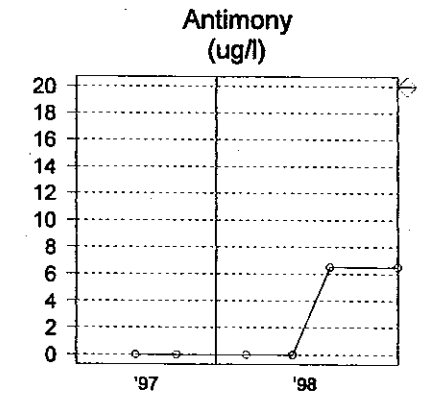
FORT MONMOUTH

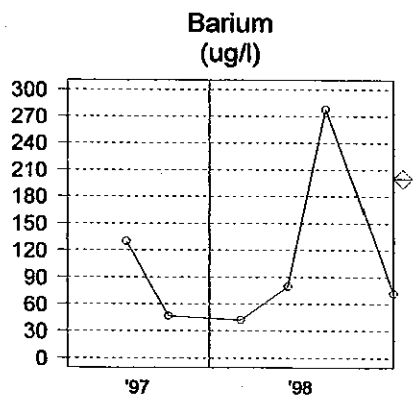
GW MONITORING
Bldg M-4

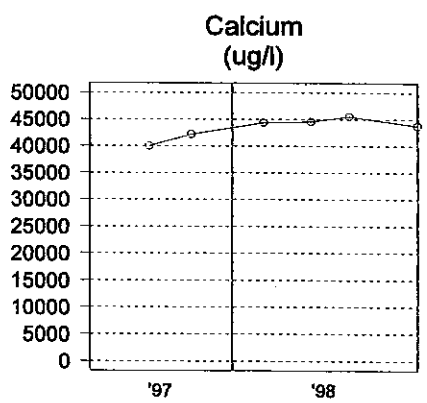
Well 3 of 3

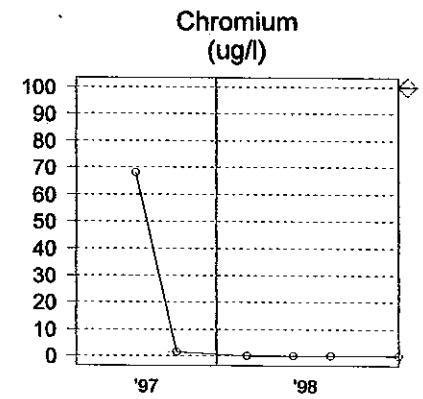
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

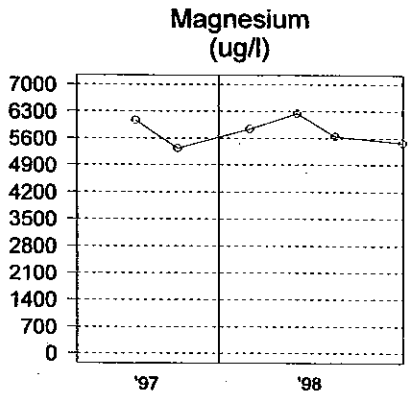
12-11-1998 c:\mtech46\fm\m-4\gw\m4.wsf

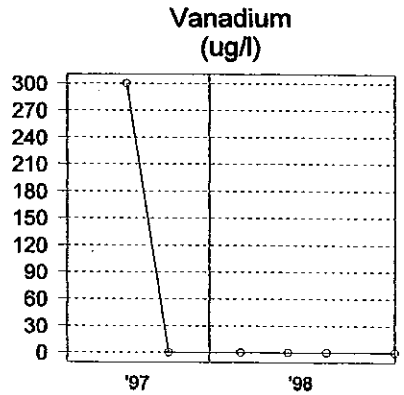


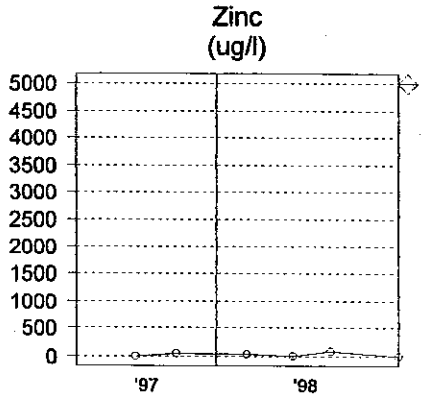


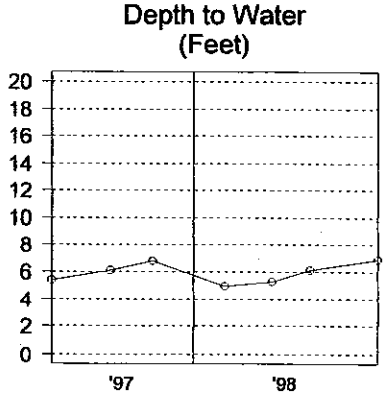












SOURCE: MW-9

Sampling Dates:
05/06/97 - 10/29/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 3, Graph

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

12-11-1998 c:\mtech46\fm\m-4\gw\m4.wsf

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: M-4

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4245.03	00M4MW07	29-32571	02/04/99
4245.04	00M4MW08	29-32572	02/04/99
4245.05	00M4MW09	29-32573	02/04/99

NJDEP Laboratory Certification # 13461

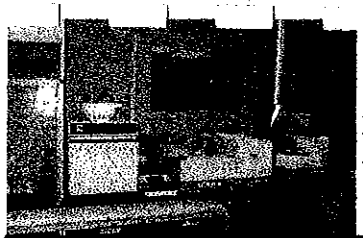
4-5-99

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 #: 826-0223
(✓)DERA ( )OMA ( )Other:_____

Project No:
Location: M-4 MW's 1st Qtr '99

Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	BNA+25	Pest/PCB	TAL MTLS				HAU	Remarks / Preservation Method
4B4B .01	Trip	2/4/99	0730	AQ	2	✓								
.02	Field Blank		0930		5	✓	✓	✓	✓					
.03	MW 07		1114		5	✓	✓	✓	✓				✓	0.0 29--32571
.04	MW 08		1041		5	✓	✓	✓	✓				✓	0.0 29-32572
.05	MW 09 *		1030		5	✓	✓	✓	✓				✓	0.0 29-32573
.06	Dupe	↓	—	↓	5	✓	✓	✓	✓					

Comments: HCl/HNO3/<4°C

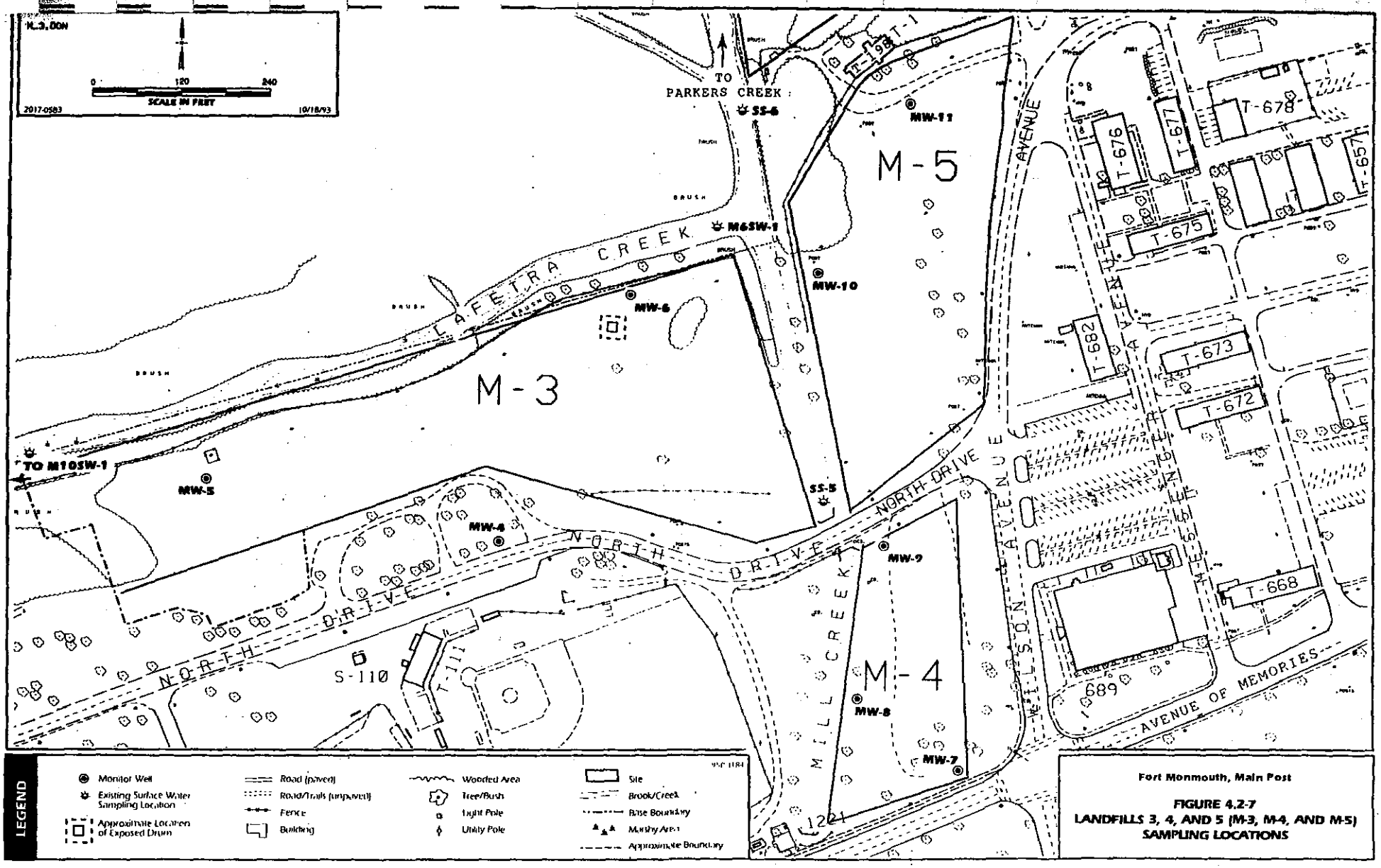
Relinquished by (signature)	Date/Time	Received by (signature)	Relinquished by (signature)	Date/Time	Received by (signature)
Corey McCormack	2/4/99 1515	[signature]			
Relinquished by (signature)	Date/Time	Received by (signature)	Relinquished by (signature)	Date/Time	Received by (signature)

Report Type: (_)Full, (_)Reduced, (✓)Standard, (_)Screen / non-certified
Turnaround time: (✓)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks: Shares trip/blank/dupe w/ 1122.
Tide: L→I

print legibly

coc1/12/99



Fort Monmouth, Main Post

FIGURE 4.2-7
LANDFILLS 3, 4, AND 5 (M-3, M-4, AND M-5) SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW07
NJDEP ID #: 29-32571
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02/04/99
WEATHER: Cold, Overcast.
TIDE: Low-Incoming

ELEV. OF CASING SURVEY MARK: 16.75. ft
DEPTH TO WATER: 7.41 ft
DEPTH OF WELL: 17.61 ft
HEIGHT OF WATER: 10.20 ft
(10.20) X .65 X 3 = 19.89
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: 09:03
pH 6.13 su — TEMP 10.6 °C
DISSOLVED O_2 7.98 PPM — SPECIFIC CONDUCTIVITY 225 us/cm

PURGE END TIME: 10:30
pH 6.01 su — TEMP 10.2 °C
DISSOLVED O_2 3.22 PPM — SPECIFIC CONDUCTIVITY 225 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.80 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 20 gal

pH 5.99 su — TEMP 10.1 °C
DISSOLVED O_2 3.17 PPM — SPECIFIC CONDUCTIVITY 225 us/cm

COMMENTS: Roots in sample/well.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW08
NJDEP ID #: 29-32572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02/04/99
WEATHER: Cold, Overcast.
TIDE: Low-Incoming

ELEV. OF CASING SURVEY MARK: 10.68. ft
DEPTH TO WATER: 7.08 ft
DEPTH OF WELL: 19.90 ft
HEIGHT OF WATER: 12.82 ft
(12.82) X .65 X 3 = 24.99
GALLONS OF H2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: 0.23 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 08:53
pH 6.30 su
DISSOLVED O_2 7.91 PPM
TEMP 10.9 °C
SPECIFIC CONDUCTIVITY 528 us/cm

PURGE END TIME: 10:41
pH 6.31 su
DISSOLVED O_2 3.27 PPM
TEMP 10.3 °C
SPECIFIC CONDUCTIVITY 529 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.51 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 25 gal

pH 6.29 su
DISSOLVED O_2 3.14 PPM
TEMP 10.1 °C
SPECIFIC CONDUCTIVITY 527 us/cm

COMMENTS: Aquatic organisms, orange tinge w/roots. Slight well blockage due to root mass.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW09
NJDEP ID #: 29-32573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02/04/99
WEATHER: Cold, Overcast.
TIDE: Low-Incoming

ELEV. OF CASING SURVEY MARK: 9.69 ft
DEPTH TO WATER: 6.18 ft
DEPTH OF WELL: 24.25 ft
HEIGHT OF WATER: 18.07 ft
(18.07) X .65 X 3 = 35.23
GALLONS OF H2O TO BE PURGED: 35 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: 08:43
pH 6.81 su — TEMP 11.5 °C
DISSOLVED O_2 7.77 PPM — SPECIFIC CONDUCTIVITY 349 us/cm

PURGE END TIME: 11:14
pH 6.87 su — TEMP 10.4 °C
DISSOLVED O_2 3.09 PPM — SPECIFIC CONDUCTIVITY 351 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.20 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 35 gal

pH 6.89 su — TEMP 10.3 °C
DISSOLVED O_2 3.04 PPM — SPECIFIC CONDUCTIVITY 3.52 us/cm

COMMENTS: Dup Here.

CASE NARRATIVE

Site: M-4
Lab ID: 4245

The duplicate analysis was performed on 00M4MW09 (Lab ID 4245.05).

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	**VB02619.D**	Sample Name	**Vblk81**
Operator	**Skelton**	Field ID	**Vblk81**
Date Acquired	**16-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 4:10 PM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Vblk81

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4245 SDG No _____ Location M-4

Matrix: (soil/water) WATER Lab Sample ID: Vblk81

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02619.D

Level: (low/med) LOW Date Received: 2/4/99

% Moisture: not dec. _____ Date Analyzed: 2/16/99

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	**VB02635.D**	Sample Name	**4245.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**16-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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Trip Blank

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4245 SDG No _____ Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 4245.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02635.D

Level: (low/med) LOW Date Received: 2/4/99

% Moisture: not dec. _____ Date Analyzed: 2/16/99

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	**VB02636.D**	Sample Name	**4245.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**16-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	12.63	44095	1.63 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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Field Blank

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4245 SDG No _____ Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 4245.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02636.D

Level: (low/med) LOW Date Received: 2/4/99

% Moisture: not dec. _____ Date Analyzed: 2/16/99

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	**VB02637.D**	Sample Name	**4245.03**
Operator	**Skelton**	Field ID	**00M4MW07**
Date Acquired	**16-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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

00M4MW07

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4245 SDG No _____ Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 4245.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02637.D

Level: (low/med) LOW Date Received: 2/4/99

% Moisture: not dec. _____ Date Analyzed: 2/16/99

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	**VB02638.D**	Sample Name	**4245.04**
Operator	**Skelton**	Field ID	**00M4MW08**
Date Acquired	**17-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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

00M4MW08

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4245 SDG No _____ Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 4245.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02638.D

Level: (low/med) LOW Date Received: 2/4/99

% Moisture: not dec. _____ Date Analyzed: 2/17/99

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	**VB02639.D**	Sample Name	**4245.05**
Operator	**Skelton**	Field ID	**00M4MW09**
Date Acquired	**17-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 11:06 AM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **00M4MW09**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4245 SDG No _____ Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 4245.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02639.D

Level: (low/med) LOW Date Received: 2/4/99

% Moisture: not dec. _____ Date Analyzed: 2/17/99

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	**VB02640.D**	Sample Name	**4245.06**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**17-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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Dupe

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4245 SDG No _____ Location M-4

Matrix: (soil/water) WATER Lab Sample ID: 4245.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02640.D

Level: (low/med) LOW Date Received: 2/4/99

% Moisture: not dec. _____ Date Analyzed: 2/17/99

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	**BN02788.D**	Sample Name	**Sblk203**
Operator	**Bhaskar**	Misc Info	**Sblk203 a 990208**
Date Acquired	**10-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	**BN02788.D**	Sample Name	**Sblk203**
Operator	**Bhaskar**	Misc Info	**Sblk203 a 990208**
Date Acquired	**10-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 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: **Sblk203**

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4245 Location: M-4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: Sblk203

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02788.D

Level: (low/med) LOW Date Received: 2/4/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 2/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/10/99

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	**BN02793.D**	Sample Name	**4245.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**10-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	**BN02793.D**	Sample Name	**4245.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**10-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 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 Cod 13461

Project: 980211 Case No.: 4245 Location: M-4 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 4245.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02793.D

Level: (low/med) LOW Date Received: 2/4/99

% Moisture: decanted: (Y/N) N Date Extracted: 2/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/10/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN02794.D**	Sample Name	**4245.03**
Operator	**Bhaskar**	Misc Info	**00M4MW07**
Date Acquired	**10-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
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Data File Name	**BN02794.D**	Sample Name	**4245.03**
Operator	**Bhaskar**	Misc Info	**00M4MW07**
Date Acquired	**10-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 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: **00M4MW07**

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4245 Location: M-4 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 4245.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02794.D

Level: (low/med) LOW Date Received: 2/4/99

% Moisture: decanted: (Y/N) N Date Extracted: 2/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/10/99

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	**BN02795.D**	Sample Name	**4245.04**
Operator	**Bhaskar**	Misc Info	**00M4MW08**
Date Acquired	**10-Feb-99**	Sample Multiplier	**1.08**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.40	ug/L	D
62-75-9	N-nitroso-dimethylamine			not detected	20	1.02	ug/L	D
62-53-3	Aniline			not detected	NLE	0.16	ug/L	D
108-95-2	Phenol			not detected	4000	0.51	ug/L	D
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.52	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	0.66	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	0.36	ug/L	D
98-95-3	Nitrobenzene			not detected	10	0.50	ug/L	D
78-59-1	Isophorone			not detected	100	0.38	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	0.50	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	0.21	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	1.62	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	0.35	ug/L	D
88-74-4	2-Nitroaniline			not detected	NLE	0.23	ug/L	D
131-11-3	Dimethylphthalate			not detected	7000	0.19	ug/L	D
208-96-8	Acenaphthylene			not detected	NLE	0.21	ug/L	D
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.33	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	0.75	ug/L	D
132-64-9	Dibenzofuran			not detected	NLE	0.35	ug/L	D
100-02-7	4-Nitrophenol			not detected	NLE	0.29	ug/L	D

Semi-Volatile Analysis Report
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Data File Name	**BN02795.D**	Sample Name	**4245.04**
Operator	**Bhaskar**	Misc Info	**00M4MW08**
Date Acquired	**10-Feb-99**	Sample Multiplier	**1.08**

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	0.89	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	0.97	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	0.86	ug/L	D
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.59	ug/L	D
118-74-1	Hexachlorobenzene			not detected	10	0.89	ug/L	D
87-86-5	Pentachlorophenol			not detected	1	1.17	ug/L	D
85-01-8	Phenanthrene			not detected	NLE	0.19	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	0.44	ug/L	D
92-87-5	Benzidine			not detected	50	1.57	ug/L	D
129-00-0	Pyrene			not detected	200	0.35	ug/L	D
85-68-7	Butylbenzylphthalate			not detected	100	0.51	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	0.50	ug/L	D
218-01-9	Chrysene			not detected	20	0.22	ug/L	D
117-81-7	bis(2-Ethylhexyl)phthalate	24.53	468626	15.08 ug/L	30	0.55	ug/L	D
117-84-0	Di-n-octylphthalate			not detected	100	0.89	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	0.35	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: **00M4MW08**

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4245 Location: M-4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4245.04

Sample wt/vol: 930 (g/ml) ML Lab File ID: BN02795.D

Level: (low/med) LOW Date Received: 2/4/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 2/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/10/99

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	**BN02796.D**	Sample Name	**4245.05**
Operator	**Bhaskar**	Misc Info	**00M4MW09**
Date Acquired	**10-Feb-99**	Sample Multiplier	**1.08**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.40	ug/L	D
62-75-9	N-nitroso-dimethylamine			not detected	20	1.02	ug/L	D
62-53-3	Aniline			not detected	NLE	0.16	ug/L	D
108-95-2	Phenol			not detected	4000	0.51	ug/L	D
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.52	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	0.66	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	0.36	ug/L	D
98-95-3	Nitrobenzene			not detected	10	0.50	ug/L	D
78-59-1	Isophorone			not detected	100	0.38	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	0.50	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	0.21	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	1.62	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	0.35	ug/L	D
88-74-4	2-Nitroaniline			not detected	NLE	0.23	ug/L	D
131-11-3	Dimethylphthalate			not detected	7000	0.19	ug/L	D
208-96-8	Acenaphthylene			not detected	NLE	0.21	ug/L	D
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.33	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	0.75	ug/L	D
132-64-9	Dibenzofuran			not detected	NLE	0.35	ug/L	D
100-02-7	4-Nitrophenol			not detected	NLE	0.29	ug/L	D

Semi-Volatile Analysis Report
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Data File Name	**BN02796.D**	Sample Name	**4245.05**
Operator	**Bhaskar**	Misc Info	**00M4MW09**
Date Acquired	**10-Feb-99**	Sample Multiplier	**1.08**

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	0.89	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	0.97	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	0.86	ug/L	D
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.59	ug/L	D
118-74-1	Hexachlorobenzene			not detected	10	0.89	ug/L	D
87-86-5	Pentachlorophenol			not detected	1	1.17	ug/L	D
85-01-8	Phenanthrene			not detected	NLE	0.19	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	0.44	ug/L	D
92-87-5	Benzidine			not detected	50	1.57	ug/L	D
129-00-0	Pyrene			not detected	200	0.35	ug/L	D
85-68-7	Butylbenzylphthalate			not detected	100	0.51	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	0.50	ug/L	D
218-01-9	Chrysene			not detected	20	0.22	ug/L	D
117-81-7	bis(2-Ethylhexyl)phthalate	24.52	68951	2.36 ug/L	30	0.55	ug/L	D
117-84-0	Di-n-octylphthalate			not detected	100	0.89	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	0.35	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: **00M4MW09**

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4245 Location: M-4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4245.05

Sample wt/vol: 930 (g/ml) ML Lab File ID: BN02796.D

Level: (low/med) LOW Date Received: 2/4/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 2/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/10/99

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	BN02797.D	Sample Name	4245.06
Operator	Bhaskar	Misc Info	Dupe
Date Acquired	10-Feb-99	Sample Multiplier	1.06

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.30	ug/L	D
62-75-9	N-nitroso-dimethylamine			not detected	20	1.00	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	0.24	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	0.38	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	0.24	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	0.40	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	1.59	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	0.73	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	BN02797.D	Sample Name	4245.06
Operator	Bhaskar	Misc Info	Dupe
Date Acquired	10-Feb-99	Sample Multiplier	1.06

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.38	ug/L	D
84-66-2	Diethylphthalate			not detected	5000	0.87	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	0.95	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	0.24	ug/L	D
103-33-3	Azobenzene			not detected	NLE	0.85	ug/L	D
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.58	ug/L	D
118-74-1	Hexachlorobenzene			not detected	10	0.87	ug/L	D
87-86-5	Pentachlorophenol			not detected	1	1.14	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	0.24	ug/L	D
206-44-0	Fluoranthene			not detected	300	0.43	ug/L	D
92-87-5	Benzidine			not detected	50	1.54	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	0.23	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	24.52	48520	1.58 ug/L	30	0.54	ug/L	D
117-84-0	Di-n-octylphthalate			not detected	100	0.87	ug/L	D
205-99-2	Benzo[b]fluoranthene			not detected	10	0.39	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	0.84	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	0.42	ug/L	D

* 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: **Dupe**

Lab Name: FMETL Lab Cod 13461

Project: 980211 Case No.: 4245 Location: M-4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4245.06

Sample wt/vol: 944 (g/ml) ML Lab File ID: BN02797.D

Level: (low/med) LOW Date Received: 2/4/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 2/8/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/10/99

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 # :**	BLK285
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	2/5/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/8/99
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 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 # :**	4245.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/4/99
	Bldg. 173	**Extraction Date:**	2/5/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/9/99
Analysis:	EPA Method 608	**Location :**	M-4 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 # :**	4245.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/4/99
	Bldg. 173	**Extraction Date:**	2/5/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/9/99
Analysis:	EPA Method 608	**Location :**	M-4 MWs
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	00M4MW07
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 # :**	4245.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/4/99
	Bldg. 173	**Extraction Date:**	2/5/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/9/99
Analysis:	EPA Method 608	**Location :**	M-4 MWs
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	00M4MW08
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 # :**	4245.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/4/99
	Bldg. 173	**Extraction Date:**	2/5/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/9/99
Analysis:	EPA Method 608	**Location :**	M-4 MWs
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	00M4MW09
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 # :**	4245.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/4/99
	Bldg. 173	**Extraction Date:**	2/5/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/9/99
Analysis:	EPA Method 608	**Location :**	M-4 MWs
Matrix:	Aqueous		
Analyst:	D. Wright	**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/.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
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4245
Sample Prepared: 02/19/99

Site: M4
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	02/22/99	ND	200	10.0
Antimony	02/22/99	3.96	20	2.0
Arsenic	02/22/99	ND	8	2.0
Barium	02/22/99	2.10	2000	0.5
Beryllium	02/22/99	ND	20	0.5
Cadmium	02/22/99	ND	4	0.5
Calcium	02/22/99	67.0	NLE	20.0
Chromium	02/22/99	ND	100	0.5
Cobalt	02/22/99	0.7	NLE	0.5
Copper	02/22/99	49.0	1000	3.0
Iron	02/22/99	60.0	300	10.0
Lead	02/22/99	ND	10	2.0
Magnesium	02/22/99	93.0	NLE	20.0
Manganese	02/22/99	0.6	50	0.5
Mercury	02/19/99	ND	2	0.1
Nickel	02/22/99	4.0	100	0.5
Potassium	02/22/99	ND	NLE	20.0
Selenium	02/22/99	ND	50	3.0
Silver	02/22/99	ND	20	3.0
Sodium	02/22/99	ND	50000	20.0
Thallium	02/22/99	ND	10	3.0
Vanadium	02/22/99	ND	NLE	1.0
Zinc	02/22/99	7.00	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 #: 4245.02
Sample Received: 02/04/99
Sample Matrix: Aqueous

Site: M-4
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	02/22/99	22.6	200	10.0
Antimony	02/22/99	2.92	20	2.0
Arsenic	02/22/99	ND	8	2.0
Barium	02/22/99	1.51	2000	0.5
Beryllium	02/22/99	ND	20	0.5
Cadmium	02/22/99	ND	4	0.5
Calcium	02/22/99	89.8	NLE	20.0
Chromium	02/22/99	ND	100	0.5
Cobalt	02/22/99	ND	NLE	0.5
Copper	02/22/99	73.7	1000	3.0
Iron	02/22/99	89.3	300	10.0
Lead	02/22/99	ND	10	2.0
Magnesium	02/22/99	93.6	NLE	20.0
Manganese	02/22/99	1.04	50	0.5
Mercury	02/19/99	ND	2	0.1
Nickel	02/22/99	3.88	100	0.5
Potassium	02/22/99	ND	NLE	20.0
Selenium	02/22/99	ND	50	3.0
Silver	02/22/99	ND	20	3.0
Sodium	02/22/99	97.0	50000	20.0
Thallium	02/22/99	ND	10	3.0
Vanadium	02/22/99	ND	NLE	1.0
Zinc	02/22/99	13.0	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 #: 4245.03
Sample Received: 02/04/99
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: 00M4MW07

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	02/22/99	474	200	10.0
Antimony	02/22/99	ND	20	2.0
Arsenic	02/22/99	ND	8	2.0
Barium	02/22/99	29.5	2000	0.5
Beryllium	02/22/99	ND	20	0.5
Cadmium	02/22/99	ND	4	0.5
Calcium	02/22/99	11000	NLE	20.0
Chromium	02/22/99	4.28	100	0.5
Cobalt	02/22/99	3.20	NLE	0.5
Copper	02/22/99	108	1000	3.0
Iron	02/22/99	442	300	10.0
Lead	02/22/99	ND	10	2.0
Magnesium	02/22/99	3540	NLE	20.0
Manganese	02/22/99	39.7	50	0.5
Mercury	02/19/99	ND	2	0.1
Nickel	02/22/99	14.6	100	0.5
Potassium	02/22/99	1060	NLE	20.0
Selenium	02/22/99	ND	50	3.0
Silver	02/22/99	ND	20	3.0
Sodium	02/22/99	21500	50000	20.0
Thallium	02/22/99	ND	10	3.0
Vanadium	02/22/99	ND	NLE	1.0
Zinc	02/22/99	42.2	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 #: 4245.04
Sample Received: 02/04/99
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: 00M4MW08

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	02/22/99	942	200	10.0
Antimony	02/22/99	2.92	20	2.0
Arsenic	02/22/99	ND	8	2.0
Barium	02/22/99	176	2000	0.5
Beryllium	02/22/99	0.580	20	0.5
Cadmium	02/22/99	0.697	4	0.5
Calcium	02/22/99	77600	NLE	20.0
Chromium	02/22/99	9.36	100	0.5
Cobalt	02/22/99	ND	NLE	0.5
Copper	02/22/99	17.8	1000	3.0
Iron	02/22/99	112000	300	10.0
Lead	02/22/99	ND	10	2.0
Magnesium	02/22/99	7600	NLE	20.0
Manganese	02/22/99	160	50	0.5
Mercury	02/19/99	ND	2	0.1
Nickel	02/22/99	5.30	100	0.5
Potassium	02/22/99	5140	NLE	20.0
Selenium	02/22/99	6.19	50	3.0
Silver	02/22/99	ND	20	3.0
Sodium	02/22/99	17400	50000	20.0
Thallium	02/22/99	ND	10	3.0
Vanadium	02/22/99	4.05	NLE	1.0
Zinc	02/22/99	87.5	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 #: 4245.05
Sample Received: 02/04/99
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: 00M4MW09

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	02/22/99	ND	200	10.0
Antimony	02/22/99	ND	20	2.0
Arsenic	02/22/99	ND	8	2.0
Barium	02/22/99	66.7	2000	0.5
Beryllium	02/22/99	ND	20	0.5
Cadmium	02/22/99	ND	4	0.5
Calcium	02/22/99	44100	NLE	20.0
Chromium	02/22/99	ND	100	0.5
Cobalt	02/22/99	ND	NLE	0.5
Copper	02/22/99	ND	1000	3.0
Iron	02/22/99	13100	300	10.0
Lead	02/22/99	ND	10	2.0
Magnesium	02/22/99	5960	NLE	20.0
Manganese	02/22/99	114	50	0.5
Mercury	02/19/99	ND	2	0.1
Nickel	02/22/99	2.45	100	0.5
Potassium	02/22/99	7450	NLE	20.0
Selenium	02/22/99	4.50	50	3.0
Silver	02/22/99	ND	20	3.0
Sodium	02/22/99	8170	50000	20.0
Thallium	02/22/99	ND	10	3.0
Vanadium	02/22/99	ND	NLE	1.0
Zinc	02/22/99	18.5	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 #: 4245.06
Sample Received: 02/04/99
Sample Matrix: Aqueous

Site: M-4
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	02/22/99	119	200	10.0
Antimony	02/22/99	ND	20	2.0
Arsenic	02/22/99	ND	8	2.0
Barium	02/22/99	78.4	2000	0.5
Beryllium	02/22/99	ND	20	0.5
Cadmium	02/22/99	ND	4	0.5
Calcium	02/22/99	43500	NLE	20.0
Chromium	02/22/99	2.68	100	0.5
Cobalt	02/22/99	ND	NLE	0.5
Copper	02/22/99	126	1000	3.0
Iron	02/22/99	17200	300	10.0
Lead	02/22/99	ND	10	2.0
Magnesium	02/22/99	5920	NLE	20.0
Manganese	02/22/99	135	50	0.5
Mercury	02/19/99	ND	2	0.1
Nickel	02/22/99	2.58	100	0.5
Potassium	02/22/99	7420	NLE	20.0
Selenium	02/22/99	4.64	50	3.0
Silver	02/22/99	ND	20	3.0
Sodium	02/22/99	8070	50000	20.0
Thallium	02/22/99	ND	10	3.0
Vanadium	02/22/99	ND	NLE	1.0
Zinc	02/22/99	24.6	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

	Lab	Acetone	Di-n-butyl phthalate	4,4'-DDT	Aluminum	Iron	Lead	Manganese	Silver	Sodium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	900	0.1	200	300	10	50	20	50000	-
05/06/97		ND	5.96	ND	1500	160	ND	90	21	58300	58300
08/15/97		ND	61	ND	620	820	ND	81	ND	55150	55150
10/24/97		ND	2.28	ND	559	2491	20	50.3	ND	17860	17860
02/18/98		ND	8.18	ND	538	163	ND	40.7	ND	27110	27110
05/06/98		ND	ND	ND	962	1621	ND	24.9	ND	19310	19310
10/29/98		ND	ND	0.0015	969	3770	7.96	39.7	ND	28500	28500
10/29/98		8.46	ND	ND	582	1830	ND	53.6	ND	29300	29300
02/04/99		ND	ND	ND	474	442	ND	39.7	ND	21500	21500

SOURCE: 00M4MW07

Sampling Dates:
05/06/97 - 02/04/99

NOTES:

Silver in blank > Criteria in May 97

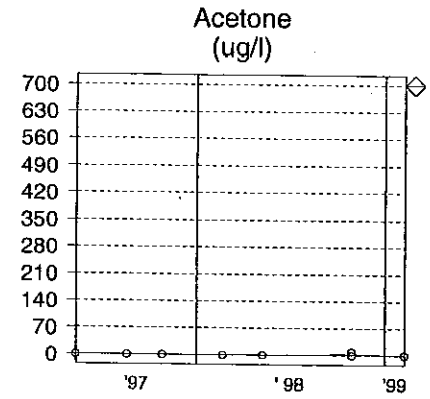
Page 1 of 2.

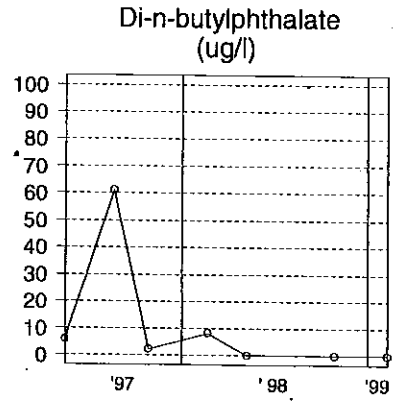
FORT MONMOUTH

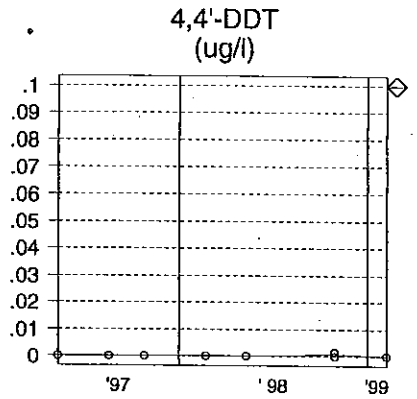
GW MONITORING
Bldg M-4

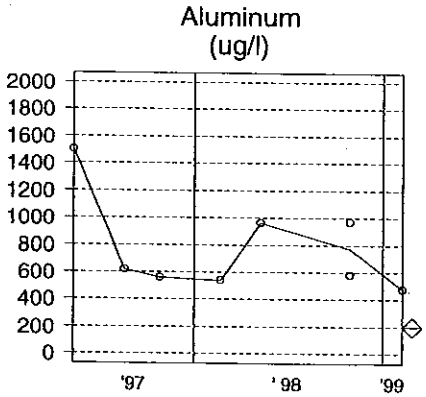
Well 1 of 3

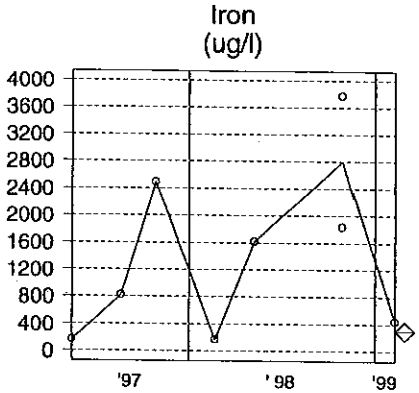
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

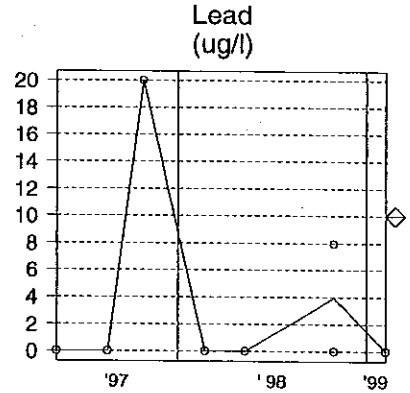


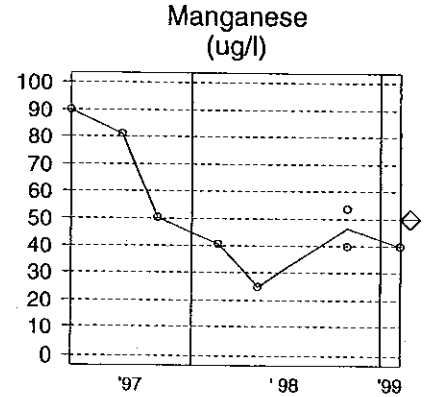


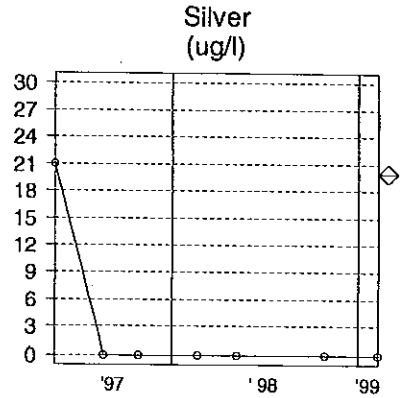


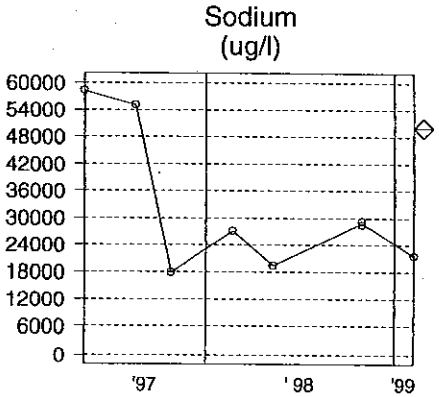












SOURCE: 00M4MW07

Sampling Dates:
05/06/97 - 02/04/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3, Graph

U.S. ARMY
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SELFM-PW-EV

04-02-1999 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Antimony	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	20	200	NLE	100	NLE	NLE	5000	-		-
05/06/97		-	-	-	-	-	-	-	7.70		58300
08/15/97		1.1	100	15440	89	7070	300	42	9.15		55150
10/24/97		ND	83.6	9680	1.8	5530	ND	75	9.70		17860
02/18/98		ND	32.4	13760	ND	4070	ND	46	6.40		27110
05/06/98		ND	18.5	8562	1.4	2882	3.2	12.8	6.92		19310
10/29/98		5.45	28.1	11100	ND	3230	5.34	66.5	8.63		28500
10/29/98		3.96	94.7	14500	1.22	6780	ND	23.7	9.97		29300
02/04/99		ND	29.5	11000	4.28	3540	ND	42.2	7.41		21500

SOURCE: 00M4MW07

Sampling Dates:
05/06/97 - 02/04/99

NOTES:

Silver in blank > Criteria in May 97

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FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3

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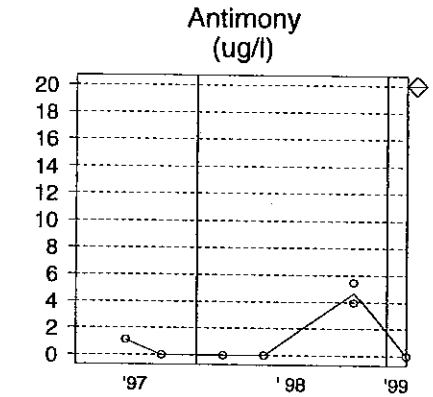
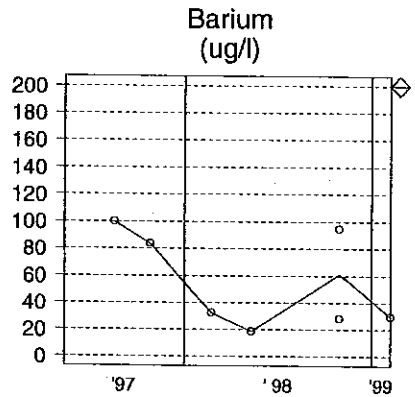
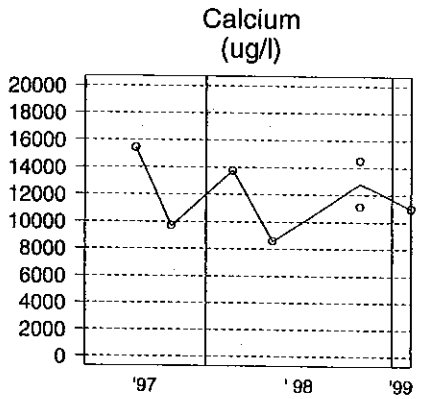
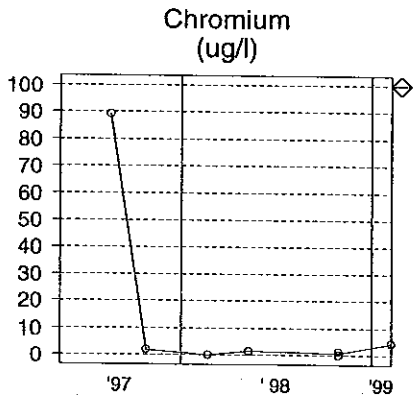
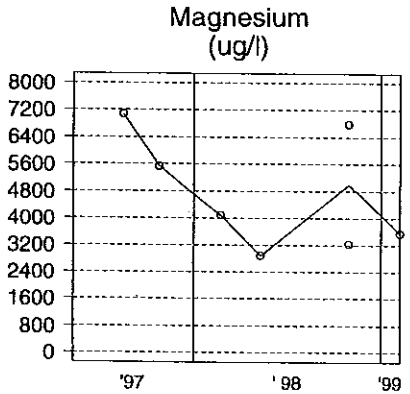
FORT MONMOUTH
SELFM-PW-EV

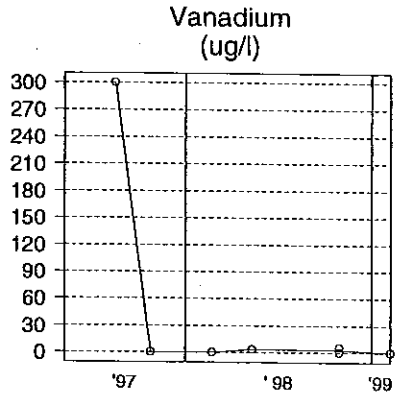


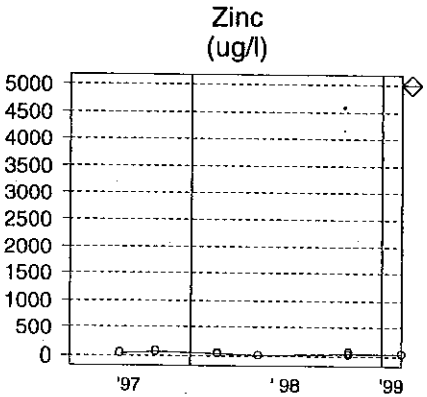


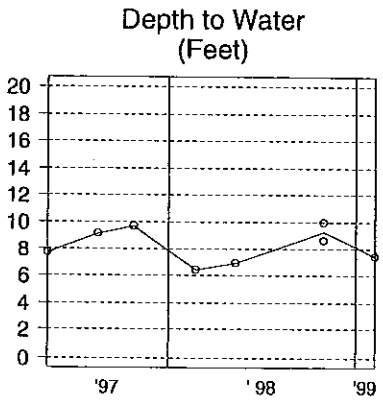












SOURCE: 00M4MW07

Sampling Dates:
05/06/97 - 02/04/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3, Graph

U.S. ARMY
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SELFM-PW-EV

04-02-1999 c:\mtech46\lm\m-4\gw\m4.wsf

	Lab	Acetone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	Antimony	Barium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	900	200	300	10	50	50000	20	200	-
05/06/97		ND	11.67	35	13900	ND	119	10100	-	-	10100
08/15/97		ND	56	344	13760	ND	125	10750	1.3	70	10750
10/24/97		ND	ND	113	11060	18	107	15360	ND	29.5	15360
02/18/98		ND	10.8	128	14930	ND	121	11960	ND	36	11960
05/06/98		ND	ND	203	34950	ND	135	13560	ND	74	13560
07/09/98		ND	ND	293	24900	2.7	158	8970	4.72	81.1	8970
10/29/98		13.01	ND	15.8	15400	ND	135	19600	5.36	40.9	19600
02/04/99		ND	ND	942	112000	ND	160	17400	2.92	176	17400

SOURCE: 00M4MW08

Sampling Dates:
05/06/97 - 02/04/99

NOTES:

Silver in blank > Criteria in May 97

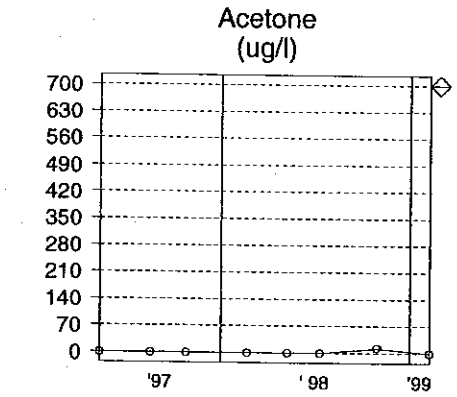
Page 1 of 2.

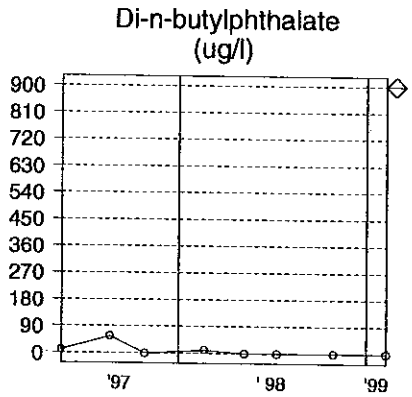
FORT MONMOUTH

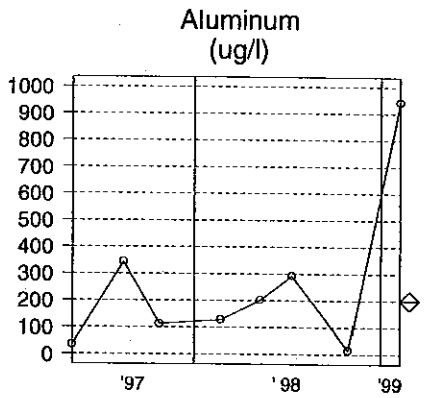
GW MONITORING
Bldg M-4

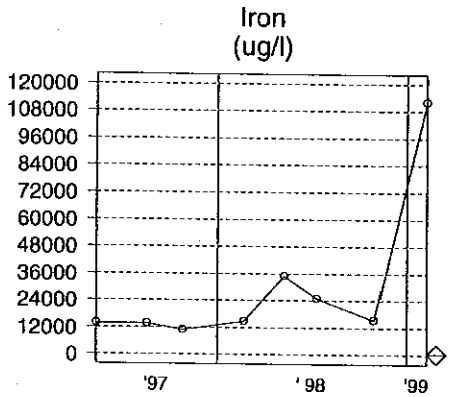
Well 2 of 3

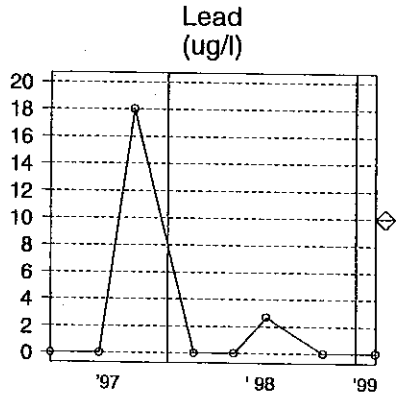
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

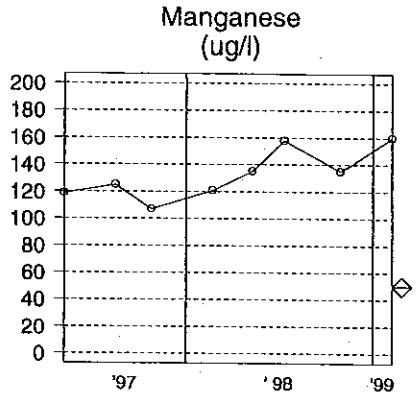


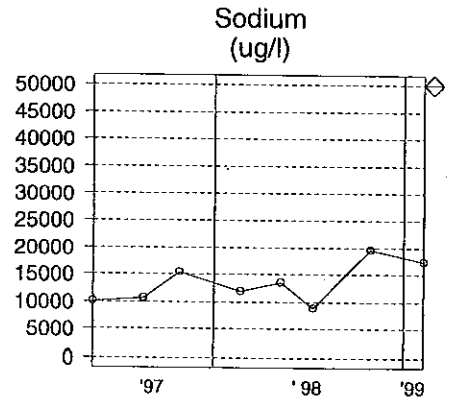


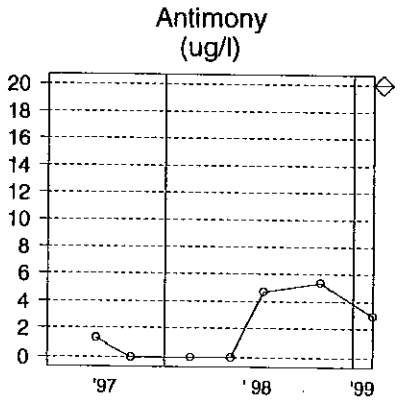


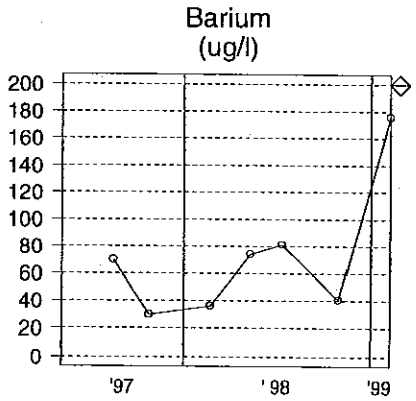












SOURCE: 00M4MW08

Sampling Dates:
05/06/97 - 02/04/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3, Graph

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

04-02-1999 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	NLE	100	NLE	NLE	5000	-				-
05/06/97		-	-	-	-	-	6.50				10100
08/15/97		33340	90	5840	300	ND	6.90				10750
10/24/97		35680	1.2	6120	ND	53	7.60				15360
02/18/98		38960	ND	5950	ND	12	5.95				11960
05/06/98		38520	ND	6460	1.5	4.8	6.18				13560
07/09/98		54000	ND	7590	1.49	66.7	6.76				8970
10/29/98		45500	ND	8070	ND	ND	7.53				19600
02/04/99		77600	9.36	7600	4.05	87.5	7.08				17400

SOURCE: 00M4MW08

Sampling Dates:
05/06/97 - 02/04/99

NOTES:

Silver in blank > Criteria in May 97

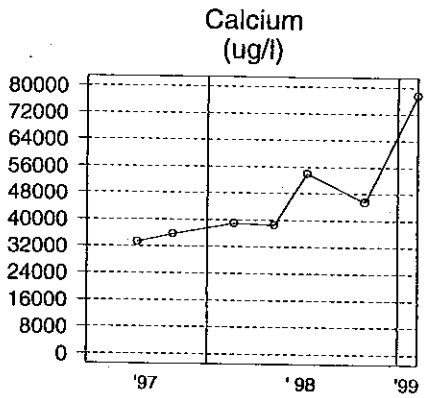
Page 2 of 2.

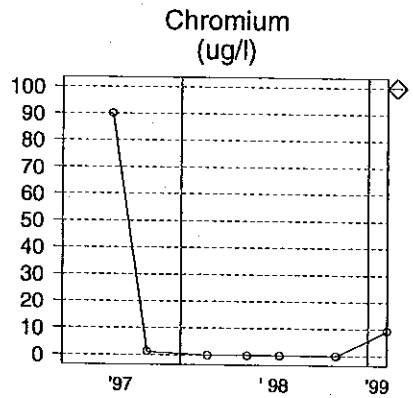
FORT MONMOUTH

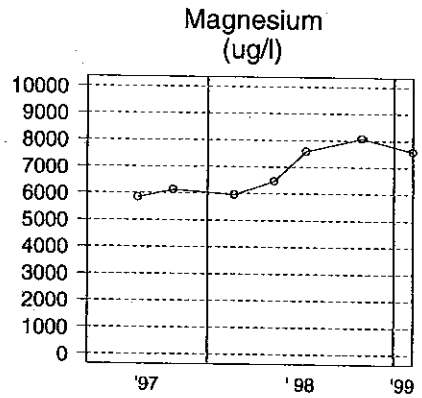
GW MONITORING
Bldg M-4

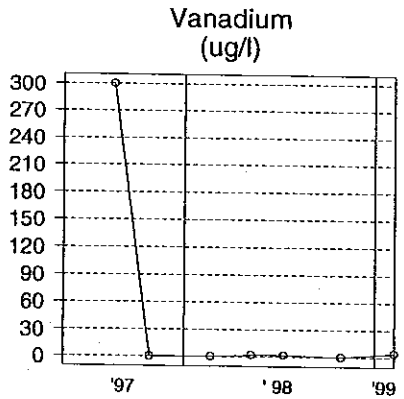
Well 2 of 3

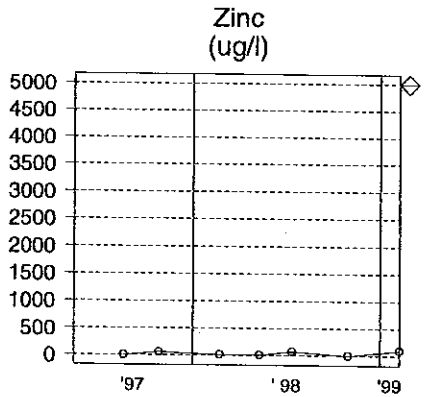
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

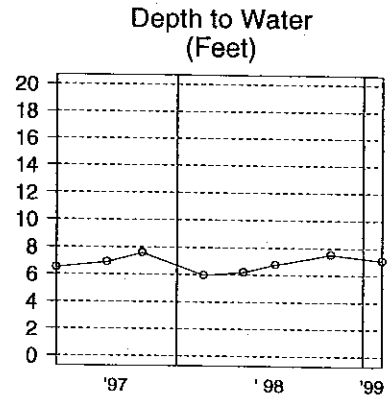












SOURCE: 00M4MW08

Sampling Dates:
05/06/97 - 02/04/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3, Graph

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

04-02-1999 c:\mtech46\m\m-4\gw\m4.wsf

	Lab	Acetone	2-But anone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	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	900	200	300	10	50	50000	20	-
05/06/97		ND	ND	3.04	91	37000	ND	68	8300	-	8300
08/15/97		ND	ND	50.5	101.6	7170	ND	64	8270	ND	8270
10/24/97		ND	ND	11.1	107	14650	9.0	76.5	9800	ND	9800
02/18/98		ND	ND	5.14	80	6019	ND	66	8370	ND	8370
05/06/98		ND	ND	ND	ND	19630	ND	90.5	9376	ND	9376
07/09/98		ND	ND	ND	21.2	15500	12.2	58.2	8140	6.52	8140
10/29/98		16.17	5.72	ND	ND	14000	ND	41.9	8190	6.52	8190
02/04/99		ND	ND	ND	ND	13100	ND	114	8170	ND	8170

SOURCE: 00M4MW09

Sampling Dates:
05/06/97 - 02/04/99

NOTES:

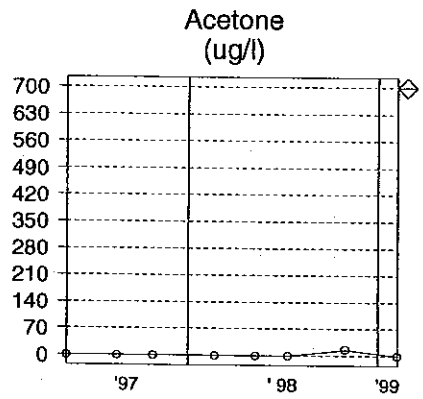
Silver in blank > Criteria in May 97
Page 1 of 2.

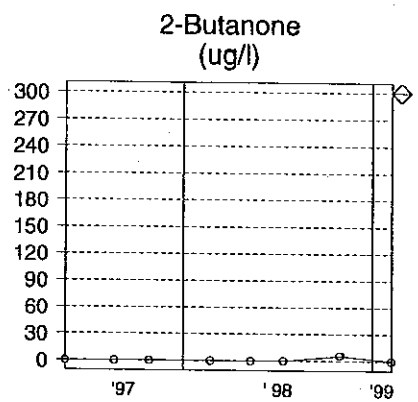
FORT MONMOUTH

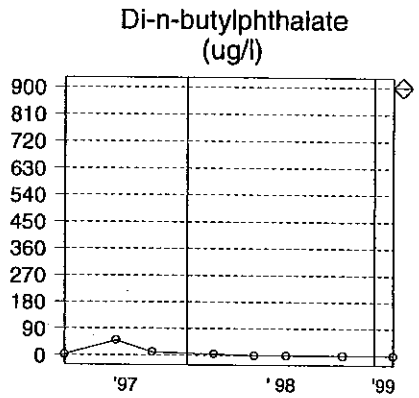
GW MONITORING
Bldg M-4

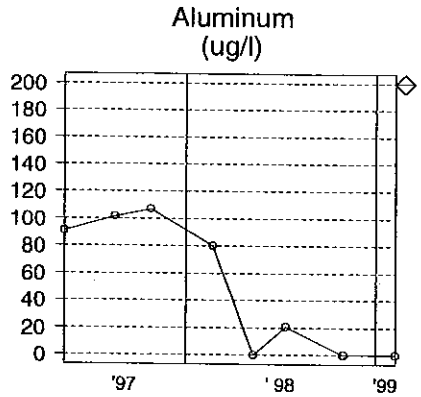
Well 3 of 3

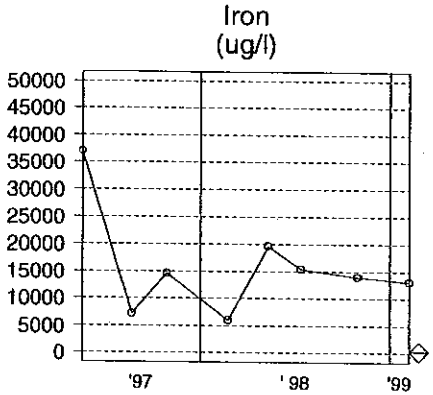
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

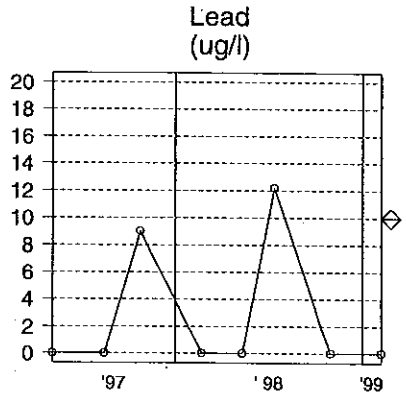


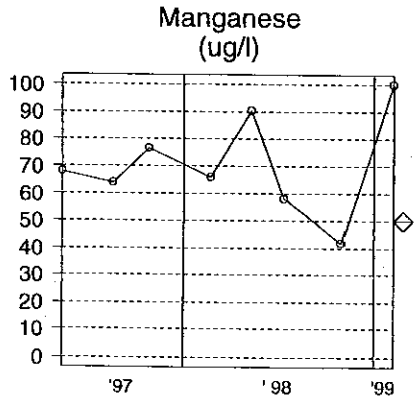


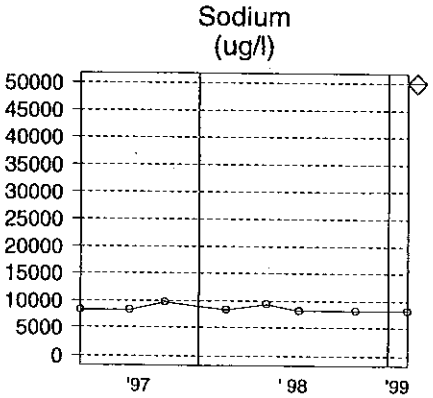


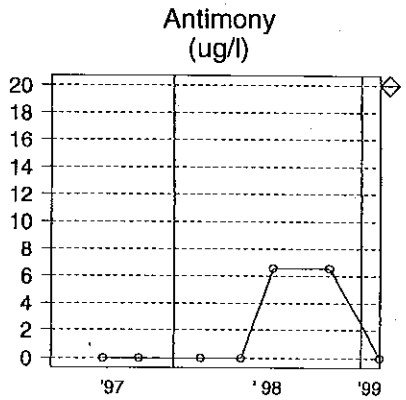












SOURCE: 00M4MW09

Sampling Dates:
05/06/97 - 02/04/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 3, Graph

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

04-02-1999 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	NLE	100	NLE	NLE	5000	-			-
05/06/97		-	-	-	-	-	-	5.40			8300
08/15/97		130	40010	68	6070	300	ND	6.10			8270
10/24/97		46.7	42140	1.4	5340	ND	52	6.75			9800
02/18/98		42	44320	ND	5840	ND	43	4.99			8370
05/06/98		80	44510	ND	6243	ND	5.9	5.31			9376
07/09/98		278	45500	ND	5650	ND	98.6	6.12			8140
10/29/98		72.4	43700	ND	5480	ND	ND	6.88			8190
02/04/99		66.7	44100	ND	5960	ND	18.5	6.18			8170

SOURCE: 00M4MW09

Sampling Dates:
05/06/97 - 02/04/99

NOTES:

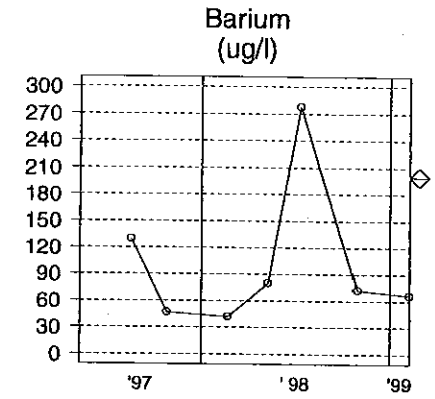
Silver in blank > Criteria in May 97
Page 2 of 2.

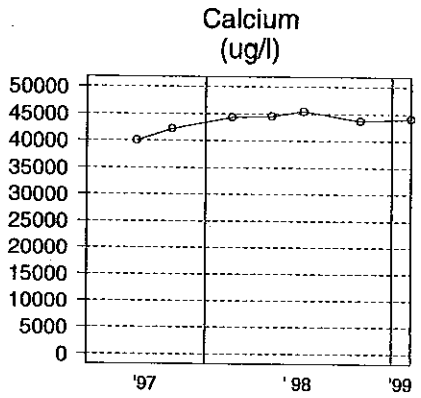
FORT MONMOUTH

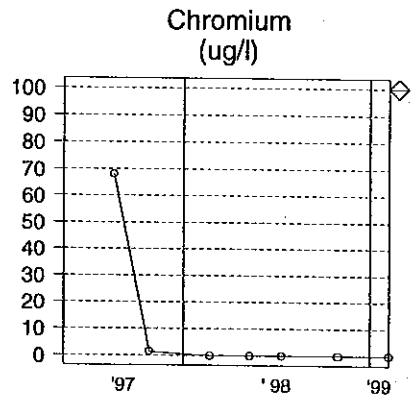
GW MONITORING
Bldg M-4

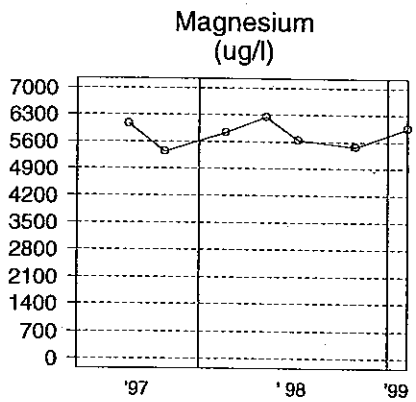
Well 3 of 3

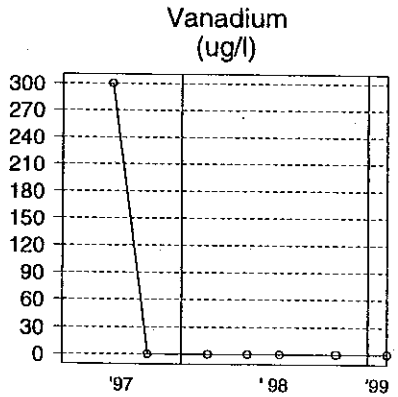
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

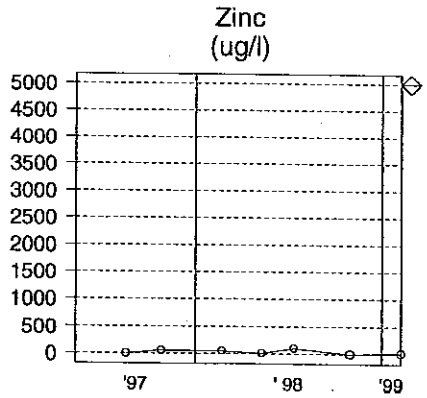


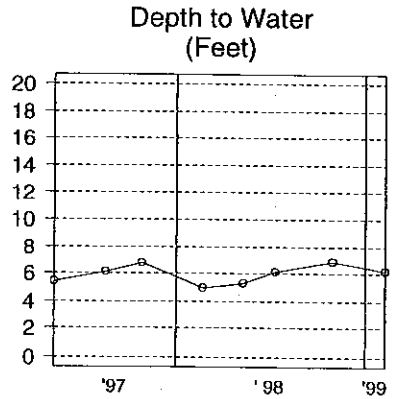












SOURCE: 00M4MW09

Sampling Dates:
05/06/97 - 02/04/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 3, Graph

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

04-02-1999 c:\mtech46\fm\m-4\gw\m4.wsf

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: M-4

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4438.03	00M4MW07	29-32571	04/23/99
4438.04	00M4MW08	29-32572	04/23/99
4438.05	00M4MW09	29-32573	04/23/99

NJDEP Laboratory Certification # 13461

6-22-99

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:
Phone #:
(✓)DERA ( )OMA ( )Other:_____

Project No:
Location: M4 MW's
2nd Qtr '99

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VOTS, BNA+25, Pest / PCB, TAL MTLS, Hex Cr

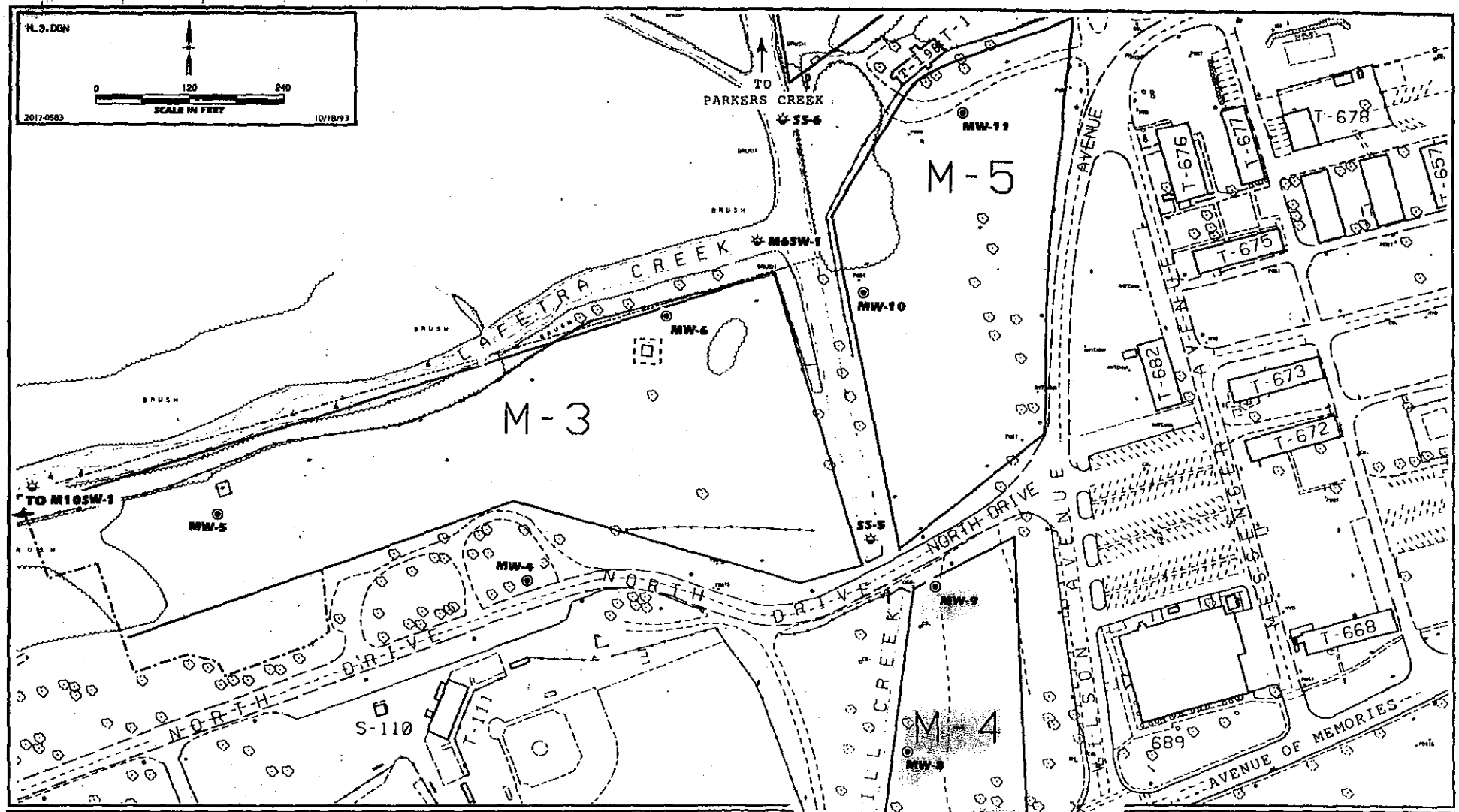
Comments: HCL/HNO3/<4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOTS	BNA+25	Pest / PCB	TAL MTLS				Hex Cr	Remarks / Preservation Method
4438 .01	Trip	4/23/99	0730	AQ	2	✓								
.02	Field Blank		1300		5	✓	✓	✓	✓				—	
.03	00M4MW07		1313		5	✓	✓	✓	✓				0.0	29-32571
.04	00M4MW08		1333		5	✓	✓	✓	✓				0.0	29-32572
.05	00M4MW09		1405		5	✓	✓	✓	✓				0.0	29-32573
.06	Dupe		—		5	✓	✓	✓	✓				—	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	4/23/99 1510	[illegible]			
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:
Tide: H → outgoing



Fort Monmouth, Main Post

FIGURE 4.2-7
LANDFILLS 3, 4, AND 5 (M-3, M-4, AND M-5) SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW07
NJDEP ID #: 29-32571
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/23/99
WEATHER: Cool, Overcast.
TIDE: High –Outgoing

ELEV. OF CASING SURVEY MARK: 16.75 ft
DEPTH TO WATER: 7.86 ft
DEPTH OF WELL: 17.61 ft
HEIGHT OF WATER: 9.75 ft
(9.75) X .65 X 3 = 19.01
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: 11:50
pH 5.47 su
DISSOLVED O_2 9.71 PPM
TEMP 13.7 °C
SPECIFIC CONDUCTIVITY 255 us/cm

PURGE END TIME: 13:00
pH 5.41 su
DISSOLVED O_2 3.82 PPM
TEMP 13.2 °C
SPECIFIC CONDUCTIVITY 254 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 5.39 su
DISSOLVED O_2 3.79 PPM
TEMP 13.1 °C
SPECIFIC CONDUCTIVITY 255 us/cm

COMMENTS: Roots.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW08
NJDEP ID #: 29-32572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/23/99
WEATHER: Cool, Overcast.
TIDE: High –Outgoing

ELEV. OF CASING SURVEY MARK: 10.68 ft
DEPTH TO WATER: 7.20 ft
DEPTH OF WELL: 19.90 ft
HEIGHT OF WATER: 12.70 ft
(12.70) X .65 X 3 = 24.76
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: 11:45
pH 6.48 su
DISSOLVED O_2 9.70 PPM
TEMP 13.9 °C
SPECIFIC CONDUCTIVITY 394 us/cm

PURGE END TIME: 13:33
pH 6.50 su
DISSOLVED O_2 3.64 PPM
TEMP 13.3 °C
SPECIFIC CONDUCTIVITY 394 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.82 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 25 gal

pH 6.49 su
DISSOLVED O_2 3.60 PPM
TEMP 13.2 °C
SPECIFIC CONDUCTIVITY 395 us/cm

COMMENTS: Large amounts of roots. Orange tinge/particles.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW09
NJDEP ID #: 29-32573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/23/99
WEATHER: Cool, Overcast.
TIDE: High –Outgoing

ELEV. OF CASING SURVEY MARK: 9.69 ft
DEPTH TO WATER: 5.94 ft
DEPTH OF WELL: 24.25 ft
HEIGHT OF WATER: 18.31 ft
(18.31 X .65 X 3 = 35.704
GALLONS OF H2O TO BE PURGED: 36 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: 11:30
pH 7.07 su
DISSOLVED O_2 9.14 PPM
TEMP 13.7 °C
SPECIFIC CONDUCTIVITY 370 us/cm

PURGE END TIME: 14:05
pH 7.09 su
DISSOLVED O_2 3.10 PPM
TEMP 13.2°C
SPECIFIC CONDUCTIVITY 370 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.72 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 36 gal

pH 7.10 su
DISSOLVED O_2 3.07 PPM
TEMP 13.1 °C
SPECIFIC CONDUCTIVITY 370 us/cm

COMMENTS: Yellow tinge.

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	VA006228.D	Sample Name	Vblk174
Operator	Deinhardt	Field ID	Vblk174
Date Acquired	3 May 1999 11:06 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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Vblk174

Lab Name: FMETL Project LTM

NJDEP # 13461 Case No.: 4438 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk174

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA006228.D

Level: (low/med) LOW Date Received: 4/23/99

% Moisture: not dec. Date Analyzed: 5/3/99

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	VA006232.D	Sample Name	4438.01
Operator	Deinhardt	Field ID	Trip Blank
Date Acquired	3 May 1999 1:34 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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Trip Blank

Lab Name: FMETL Project LTM

NJDEP # 13461 Case No.: 4438 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4438.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA006232.D

Level: (low/med) LOW Date Received: 4/23/99

% Moisture: not dec. Date Analyzed: 5/3/99

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	VA006233.D	Sample Name	4438.02
Operator	Deinhardt	Field ID	Field Blank
Date Acquired	3 May 1999 2:09 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	7.94	37905	10.38 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 ether			not detected	nle	0.65 ug/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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

Field Blank

Lab Name: FMETL Project LTM

NJDEP # 13461 Case No.: 4438 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4438.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA006233.D

Level: (low/med) LOW Date Received: 4/23/99

% Moisture: not dec. Date Analyzed: 5/3/99

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	VA006234.D	Sample Name	4438.03
Operator	Deinhardt	Field ID	00M4MW07
Date Acquired	3 May 1999 2:43 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	7.96	27580	7.39 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 ether			not detected	nle	0.65 ug/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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

00M4MW07

Lab Name: FMETL Project LTM

NJDEP # 13461 Case No.: 4438 Location M-4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4438.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA006234.D

Level: (low/med) LOW Date Received: 4/23/99

% Moisture: not dec. _____ Date Analyzed: 5/3/99

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	VA006235.D	Sample Name	4438.04
Operator	Deinhardt	Field ID	00M4MW08
Date Acquired	3 May 1999 3:18 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	7.96	32153	8.64 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 ether			not detected	nle	0.65 ug/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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

00M4MW08

Lab Name: FMETL Project LTM

NJDEP # 13461 Case No.: 4438 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4438.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA006235.D

Level: (low/med) LOW Date Received: 4/23/99

% Moisture: not dec. Date Analyzed: 5/3/99

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	VA006236.D	Sample Name	4438.05
Operator	Deinhardt	Field ID	00M4MW09
Date Acquired	3 May 1999 3:52 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	7.95	27109	7.59 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	
75-35-3	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

00M4MW09

Lab Name: FMETL Project LTM

NJDEP # 13461 Case No.: 4438 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4438.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA006236.D

Level: (low/med) LOW Date Received: 4/23/99

% Moisture: not dec. Date Analyzed: 5/3/99

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	**VA006237.D**	Sample Name	**4438.06**
Operator	**Deinhardt**	Field ID	**Dupe**
Date Acquired	**3 May 1999 4:27 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	7.96	32834	8.87 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 ether			not detected	nle	0.65 ug/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

Dupe

Lab Name: FMETL Project LTM

NJDEP # 13461 Case No.: 4438 Location M-4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4438.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA006237.D

Level: (low/med) LOW Date Received: 4/23/99

% Moisture: not dec. Date Analyzed: 5/3/99

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

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN03168.D**	Sample Name	**Sblk239**
Operator	**Bhaskar**	Misc Info	**Sblk239 A 990426**
Date Acquired	**3-May-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	**BN03168.D**	Sample Name	**Sblk239**
Operator	**Bhaskar**	Misc Info	**Sblk239 A 990426**
Date Acquired	**3-May-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: **Sblk239**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 4438 Location: M-4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: Sblk239

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN03168.D

Level: (low/med) LOW Date Received: 4/23/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 4/26/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.02	31	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN03171.D**	Sample Name	**4438.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**3-May-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	

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Data File Name	**BN03171.D**	Sample Name	**4438.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**3-May-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: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 4438 Location: M-4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4438.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN03171.D

Level: (low/med) LOW Date Received: 4/23/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 4/26/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/3/99

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	4.03	5	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN03172.D**	Sample Name	**4438.03**
Operator	**Bhaskar**	Misc Info	**00M4MW07**
Date Acquired	**3-May-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
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Data File Name	**BN03172.D**	Sample Name	**4438.03**
Operator	**Bhaskar**	Misc Info	**00M4MW07**
Date Acquired	**3-May-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: **00M4MW07**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 4438 Location: M-4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4438.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN03172.D

Level: (low/med) LOW Date Received: 4/23/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 4/26/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/3/99

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	4.03	8	J
2.	unknown	21.04	6	J
3.	unknown	23.29	4	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN03173.D**	Sample Name	**4438.04**
Operator	**Bhaskar**	Misc Info	**00M4MW08**
Date Acquired	**3-May-99**	Sample Multiplier	**1.09**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.45	ug/L	D
62-75-9	N-nitroso-dimethylamine			not detected	20	1.02	ug/L	D
62-53-3	Aniline			not detected	NLE	0.16	ug/L	D
108-95-2	Phenol			not detected	4000	0.51	ug/L	D
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.52	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	0.16	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	0.20	ug/L	D
95-50-1	1,2-Dichlorobenzene			not detected	600	0.17	ug/L	D
95-48-7	2-Methylphenol			not detected	NLE	0.15	ug/L	D
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.66	ug/L	D
106-44-5	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	0.36	ug/L	D
98-95-3	Nitrobenzene			not detected	10	0.50	ug/L	D
78-59-1	Isophorone			not detected	100	0.38	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	0.50	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	0.21	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	0.20	ug/L	D
91-57-6	2-Methylnaphthalene			not detected	NLE	0.17	ug/L	D
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.64	ug/L	D
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.46	ug/L	D
95-95-4	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	0.28	ug/L	D
83-32-9	Acenaphthene			not detected	400	0.28	ug/L	D
51-28-5	2,4-Dinitrophenol			not detected	40	0.75	ug/L	D
132-64-9	Dibenzofuran			not detected	NLE	0.35	ug/L	D
100-02-7	4-Nitrophenol			not detected	NLE	0.29	ug/L	D

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Data File Name	**BN03173.D**	Sample Name	**4438.04**
Operator	**Bhaskar**	Misc Info	**00M4MW08**
Date Acquired	**3-May-99**	Sample Multiplier	**1.09**

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	0.89	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	0.98	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	0.87	ug/L	D
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.60	ug/L	D
118-74-1	Hexachlorobenzene			not detected	10	0.89	ug/L	D
87-86-5	Pentachlorophenol			not detected	1	1.18	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	1.58	ug/L	D
129-00-0	Pyrene			not detected	200	0.35	ug/L	D
85-68-7	Butylbenzylphthalate			not detected	100	0.51	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	0.50	ug/L	D
218-01-9	Chrysene			not detected	20	0.22	ug/L	D
117-81-7	bis(2-Ethylhexyl)phthalate	24.24	28706	1.18 ug/L	30	0.56	ug/L	D
117-84-0	Di-n-octylphthalate	25.62	49832	1.20 ug/L	100	0.89	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	0.35	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	0.86	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: **00M4MW08**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 4438 Location: M-4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4438.04

Sample wt/vol: 914 (g/ml) ML Lab File ID: BN03173.D

Level: (low/med) LOW Date Received: 4/23/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 4/26/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.03	11	J
2. 000057-10-3	Hexadecanoic acid	19.25	7	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN03174.D**	Sample Name	**4438.05**
Operator	**Bhaskar**	Misc Info	**00M4MW09**
Date Acquired	**3-May-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	**BN03174.D**	Sample Name	**4438.05**
Operator	**Bhaskar**	Misc Info	**00M4MW09**
Date Acquired	**3-May-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: **00M4MW09**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 4438 Location: M-4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4438.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN03174.D

Level: (low/med) LOW Date Received: 4/23/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 4/26/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.03	17	J
2.	unknown	30.96	49	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN03175.D**	Sample Name	**4438.06**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**3-May-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	**BN03175.D**	Sample Name	**4438.06**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**3-May-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: **Dupe**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 4438 Location: M-4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4438.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN03175.D

Level: (low/med) LOW Date Received: 4/23/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 4/26/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/3/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.03	7	J

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

Client :	U.S. Army	**Lab. ID # :**	BLK327
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	4/28/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/5/99

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/.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 # :**	4438.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	4/23/99
	Bldg. 173	**Extraction Date:**	4/28/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/5/99
Analysis:	EPA Method 608	**Location :**	M4 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/.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 # :**	4438.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	4/23/99
	Bldg. 173	**Extraction Date:**	4/28/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/5/99
Analysis:	EPA Method 608	**Location :**	M4 MWs
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	00M4MW07
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 # :**	4438.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	4/23/99
	Bldg. 173	**Extraction Date:**	4/28/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/5/99
Analysis:	EPA Method 608	**Location :**	M4 MWs
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	00M4MW08
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 # :**	4438.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	4/23/99
	Bldg. 173	**Extraction Date:**	4/28/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/5/99
Analysis:	EPA Method 608	**Location :**	M4 MWs
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	00M4MW09
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 # :**	4438.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	4/23/99
	Bldg. 173	**Extraction Date:**	4/28/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/5/99
Analysis:	EPA Method 608	**Location :**	M4 MWs
Matrix:	Aqueous		
Analyst:	D. Wright	**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
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 4438
Sample Prepared: 04/29/99

Site: M-4
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	04/30/99	32.0	200	10.0
Antimony	04/30/99	ND	20	2.0
Arsenic	04/30/99	ND	8	2.0
Barium	04/30/99	ND	2000	0.5
Beryllium	04/30/99	ND	20	0.5
Cadmium	04/30/99	2.2	4	0.5
Calcium	04/30/99	194	NLE	20.0
Chromium	04/30/99	1.1	100	0.5
Cobalt	04/30/99	ND	NLE	0.5
Copper	04/30/99	57	1000	3.0
Iron	04/30/99	53	300	10.0
Lead	04/30/99	ND	10	2.0
Magnesium	04/30/99	85	NLE	20.0
Manganese	04/30/99	2.0	50	0.5
Mercury	04/27/99	ND	2	0.1
Nickel	04/30/99	1.8	100	0.5
Potassium	04/30/99	198	NLE	20.0
Selenium	04/30/99	ND	50	3.0
Silver	04/30/99	ND	20	3.0
Sodium	04/30/99	519	50000	20.0
Thallium	04/30/99	ND	10	3.0
Vanadium	04/30/99	ND	NLE	1.0
Zinc	04/30/99	20.0	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 #: 4438.02
Sample Received: 04/23/99
Sample Matrix: Aqueous

Site: M-4
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	04/30/99	21.0	200	10.0
Antimony	04/30/99	ND	20	2.0
Arsenic	04/30/99	ND	8	2.0
Barium	04/30/99	2.90	2000	0.5
Beryllium	04/30/99	ND	20	0.5
Cadmium	04/30/99	1.66	4	0.5
Calcium	04/30/99	255	NLE	20.0
Chromium	04/30/99	2.62	100	0.5
Cobalt	04/30/99	ND	NLE	0.5
Copper	04/30/99	7.80	1000	3.0
Iron	04/30/99	39.2	300	10.0
Lead	04/30/99	ND	10	2.0
Magnesium	04/30/99	ND	NLE	20.0
Manganese	04/30/99	2.64	50	0.5
Mercury	04/27/99	ND	2	0.1
Nickel	04/30/99	1.59	100	0.5
Potassium	04/30/99	2220	NLE	20.0
Selenium	04/30/99	ND	50	3.0
Silver	04/30/99	ND	20	3.0
Sodium	04/30/99	12900	50000	20.0
Thallium	04/30/99	ND	10	3.0
Vanadium	04/30/99	ND	NLE	1.0
Zinc	04/30/99	32.5	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 #: 4438.03
Sample Received: 04/23/99
Sample Matrix: Aqueous

Site M-4
Ft. Monmouth, New Jersey

Field ID#: 00M4MW07

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	04/30/99	606	200	10.0
Antimony	04/30/99	ND	20	2.0
Arsenic	04/30/99	ND	8	2.0
Barium	04/30/99	26.6	2000	0.5
Beryllium	04/30/99	ND	20	0.5
Cadmium	04/30/99	2.59	4	0.5
Calcium	04/30/99	12800	NLE	20.0
Chromium	04/30/99	2.70	100	0.5
Cobalt	04/30/99	3.13	NLE	0.5
Copper	04/30/99	4.63	1000	3.0
Iron	04/30/99	305	300	10.0
Lead	04/30/99	ND	10	2.0
Magnesium	04/30/99	3950	NLE	20.0
Manganese	04/30/99	71.2	50	0.5
Mercury	04/27/99	ND	2	0.1
Nickel	04/30/99	5.79	100	0.5
Potassium	04/30/99	2460	NLE	20.0
Selenium	04/30/99	ND	50	3.0
Silver	04/30/99	ND	20	3.0
Sodium	04/30/99	26400	50000	20.0
Thallium	04/30/99	ND	10	3.0
Vanadium	04/30/99	ND	NLE	1.0
Zinc	04/30/99	35.2	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 #: 4438.04
Sample Received: 04/23/99
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: 00M4MW08

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	04/30/99	3520	200	10.0
Antimony	04/30/99	7.05	20	2.0
Arsenic	04/30/99	ND	8	2.0
Barium	04/30/99	990	2000	0.5
Beryllium	04/30/99	2.13	20	0.5
Cadmium	04/30/99	ND	4	0.5
Calcium	04/30/99	54800	NLE	20.0
Chromium	04/30/99	22.3	100	0.5
Cobalt	04/30/99	ND	NLE	0.5
Copper	04/30/99	11.1	1000	3.0
Iron	04/30/99	393000	300	10.0
Lead	04/30/99	8.35	10	2.0
Magnesium	04/30/99	7670	NLE	20.0
Manganese	04/30/99	402	50	0.5
Mercury	04/27/99	ND	2	0.1
Nickel	04/30/99	ND	100	0.5
Potassium	04/30/99	10500	NLE	20.0
Selenium	04/30/99	5.27	50	3.0
Silver	04/30/99	ND	20	3.0
Sodium	04/30/99	17200	50000	20.0
Thallium	04/30/99	ND	10	3.0
Vanadium	04/30/99	11.4	NLE	1.0
Zinc	04/30/99	294	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 #: 4438.05
Sample Received: 04/23/99
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: 00M4MW09

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	04/30/99	ND	200	10.0
Antimony	04/30/99	ND	20	2.0
Arsenic	04/30/99	ND	8	2.0
Barium	04/30/99	62.5	2000	0.5
Beryllium	04/30/99	ND	20	0.5
Cadmium	04/30/99	1.65	4	0.5
Calcium	04/30/99	40400	NLE	20.0
Chromium	04/30/99	2.15	100	0.5
Cobalt	04/30/99	ND	NLE	0.5
Copper	04/30/99	4.08	1000	3.0
Iron	04/30/99	11100	300	10.0
Lead	04/30/99	ND	10	2.0
Magnesium	04/30/99	5830	NLE	20.0
Manganese	04/30/99	53.7	50	0.5
Mercury	04/27/99	0.11	2	0.1
Nickel	04/30/99	0.971	100	0.5
Potassium	04/30/99	8200	NLE	20.0
Selenium	04/30/99	ND	50	3.0
Silver	04/30/99	ND	20	3.0
Sodium	04/30/99	7480	50000	20.0
Thallium	04/30/99	ND	10	3.0
Vanadium	04/30/99	ND	NLE	1.0
Zinc	04/30/99	18.7	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 #: 4438.06
Sample Received: 04/23/99
Sample Matrix: Aqueous

Site: M-4
Ft. Monmouth, New Jersey

Field ID#: Field Dupe

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	04/30/99	ND	200	10.0
Antimony	04/30/99	ND	20	2.0
Arsenic	04/30/99	ND	8	2.0
Barium	04/30/99	66.2	2000	0.5
Beryllium	04/30/99	ND	20	0.5
Cadmium	04/30/99	2.25	4	0.5
Calcium	04/30/99	38800	NLE	20.0
Chromium	04/30/99	2.38	100	0.5
Cobalt	04/30/99	ND	NLE	0.5
Copper	04/30/99	6.07	1000	3.0
Iron	04/30/99	12700	300	10.0
Lead	04/30/99	ND	10	2.0
Magnesium	04/30/99	5820	NLE	20.0
Manganese	04/30/99	72.2	50	0.5
Mercury	04/27/99	ND	2	0.1
Nickel	04/30/99	2.02	100	0.5
Potassium	04/30/99	7990	NLE	20.0
Selenium	04/30/99	ND	50	3.0
Silver	04/30/99	ND	20	3.0
Sodium	04/30/99	7360	50000	20.0
Thallium	04/30/99	ND	10	3.0
Vanadium	04/30/99	ND	NLE	1.0
Zinc	04/30/99	26.6	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

	Lab	Acetone	Di-n-butyl phthalate	4,4'-DDT	Aluminum	Iron	Lead	Manganese	Silver	Sodium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	900	0.1	200	300	10	50	20	50000	-
05/06/97	FMETL	ND	5.96	ND	1500	160	ND	90	21	58300	V,S,P,M
08/15/97	FMETL	ND	61	ND	620	820	ND	81	ND	55150	V,S,P,M
10/24/97	FMETL	ND	2.28	ND	559	2491	20	50.3	ND	17860	V,S,P,M
02/18/98	FMETL	ND	8.18	ND	538	163	ND	40.7	ND	27110	V,S,P,M
05/06/98	FMETL	ND	ND	ND	962	1621	ND	24.9	ND	19310	V,S,P,M
10/29/98	FMETL	ND	ND	0.0015	969	3770	7.96	39.7	ND	28500	V,S,P,M
10/29/98	FMETL	8.46	ND	ND	582	1830	ND	53.6	ND	29300	V,S,P,M
02/04/99	FMETL	ND	ND	ND	474	442	ND	39.7	ND	21500	V,S,P,M
04/23/99	FMETL	7.39	ND	ND	606	305	ND	71.2	ND	26400	V,S,P,M

SOURCE: 00M4MW07

Sampling Dates:
05/06/97 - 04/23/99

NOTES:

Silver in blank > Criteria in May 97

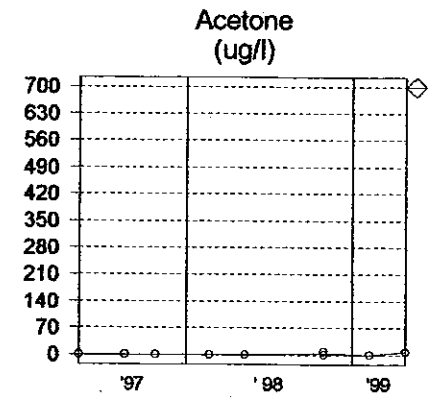
Page 1 of 2.

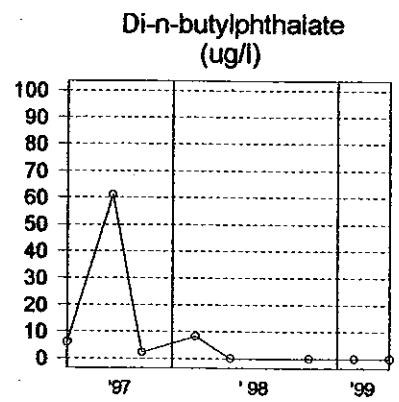
FORT MONMOUTH

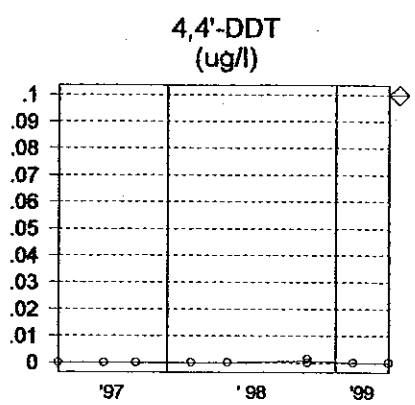
GW MONITORING
Bldg M-4

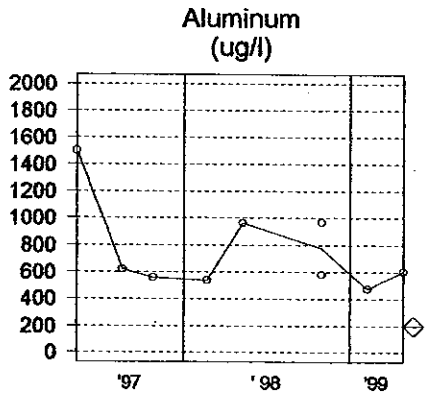
Well 1 of 3

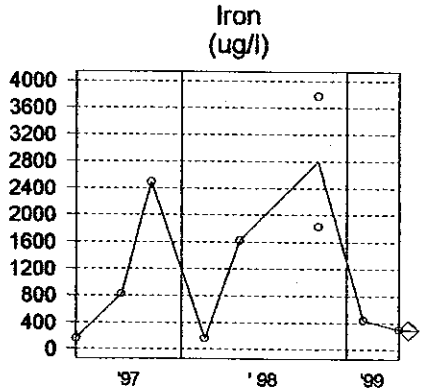
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

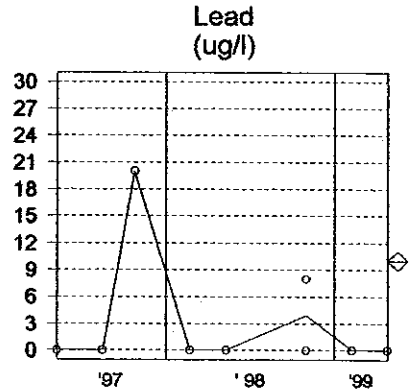


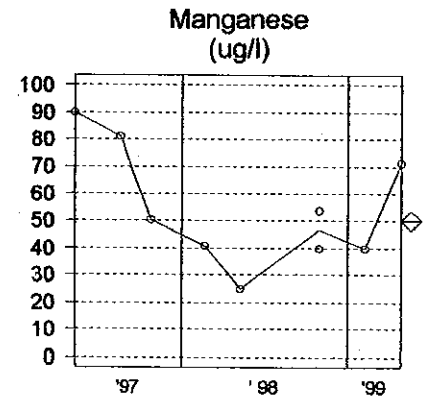


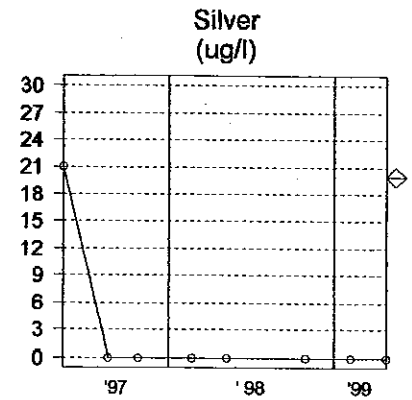


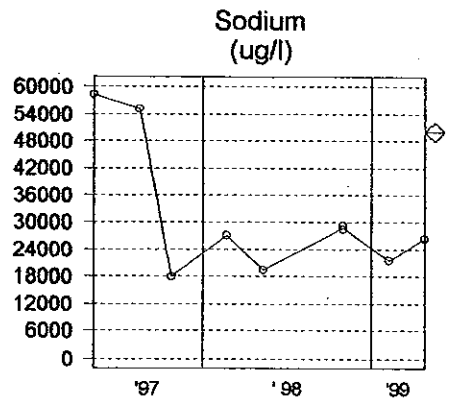












SOURCE: 00M4MW07

Sampling Dates:
05/06/97 - 04/23/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3, Graph

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

06-22-1999 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Antimony	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	20	200	NLE	100	NLE	NLE	5000	-		-
05/06/97	FMETL	-	-	-	-	-	-	-	7.70		V,S,P,M
08/15/97	FMETL	1.1	100	15440	89	7070	300	42	9.15		V,S,P,M
10/24/97	FMETL	ND	83.6	9680	1.8	5530	ND	75	9.70		V,S,P,M
02/18/98	FMETL	ND	32.4	13760	ND	4070	ND	46	6.40		V,S,P,M
05/06/98	FMETL	ND	18.5	8562	1.4	2882	3.2	12.8	6.92		V,S,P,M
10/29/98	FMETL	5.45	28.1	11100	ND	3230	5.34	66.5	8.63		V,S,P,M
10/29/98	FMETL	3.96	94.7	14500	1.22	6780	ND	23.7	9.97		V,S,P,M
02/04/99	FMETL	ND	29.5	11000	4.28	3540	ND	42.2	7.41		V,S,P,M
04/23/99	FMETL	ND	26.6	12800	2.70	3950	ND	35.2	7.86		V,S,P,M

SOURCE: 00M4MW07

Sampling Dates:
05/06/97 - 04/23/99

NOTES:

Silver in blank > Criteria in May 97

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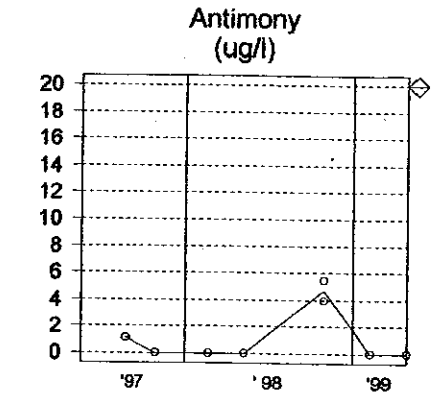
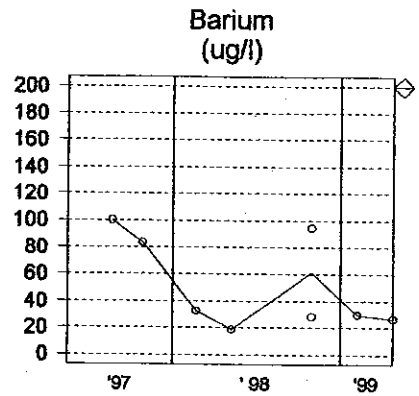
FORT MONMOUTH

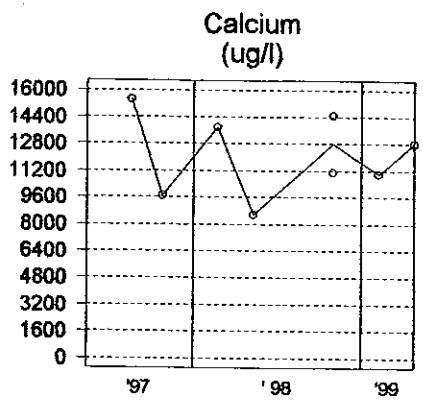
GW MONITORING
Bldg M-4

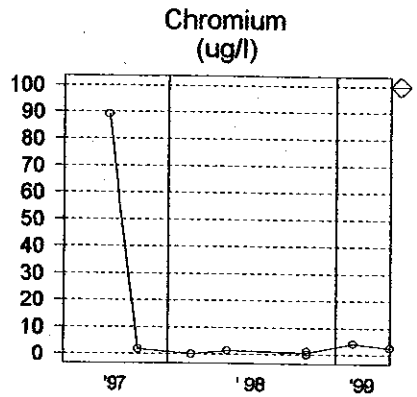
Well 1 of 3

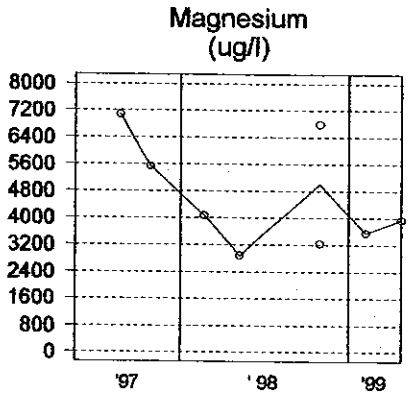
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

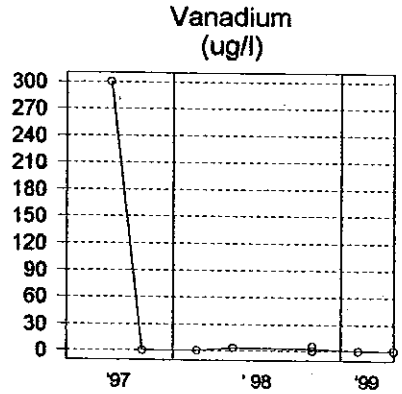


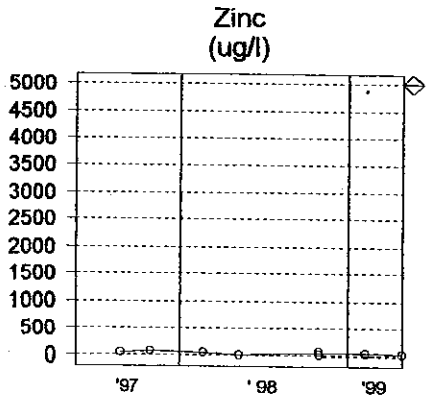


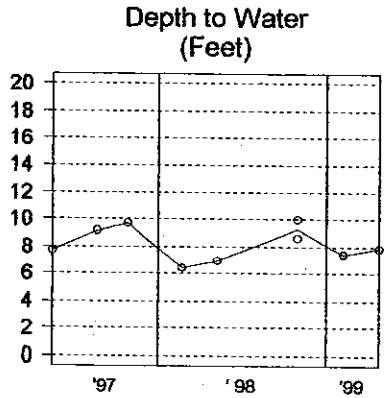












SOURCE: 00M4MW07

Sampling Dates:
05/06/97 - 04/23/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3, Graph

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

06-22-1999 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Acetone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	Antimony	Barium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	900	200	300	10	50	50000	20	200	-
05/06/97	FMETL	ND	11.67	35	13900	ND	119	10100	-	-	V,S,P,M
08/15/97	FMETL	ND	56	344	13760	ND	125	10750	1.3	70	V,S,P,M
10/24/97	FMETL	ND	ND	113	11060	18	107	15360	ND	29.5	V,S,P,M
02/18/98	FMETL	ND	10.8	128	14930	ND	121	11960	ND	36	V,S,P,M
05/06/98	FMETL	ND	ND	203	34950	ND	135	13560	ND	74	V,S,P,M
07/09/98	FMETL	ND	ND	293	24900	2.7	158	8970	4.72	81.1	V,S,P,M
10/29/98	FMETL	13.01	ND	15.8	15400	ND	135	19600	5.36	40.9	V,S,P,M
02/04/99	FMETL	ND	ND	942	112000	ND	160	17400	2.92	176	V,S,P,M
04/23/99	FMETL	8.64	1.20	3520	393000	8.35	402	17200	7.05	990	V,S,P,M

SOURCE: 00M4MW08

Sampling Dates:
05/06/97 - 04/23/99

NOTES:

Silver in blank > Criteria in May 97

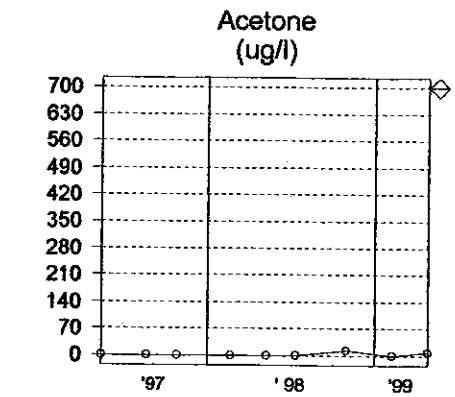
Page 1 of 2.

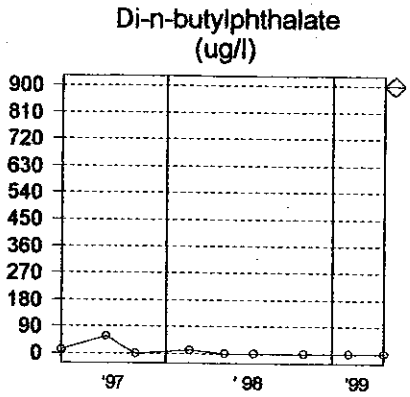
FORT MONMOUTH

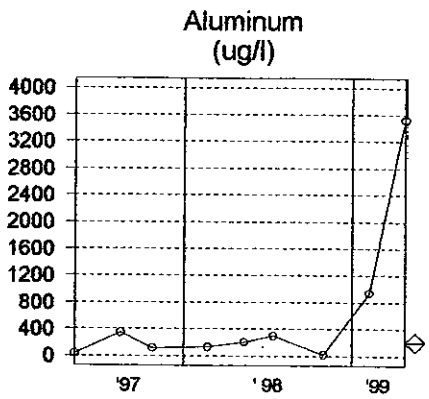
GW MONITORING
Bldg M-4

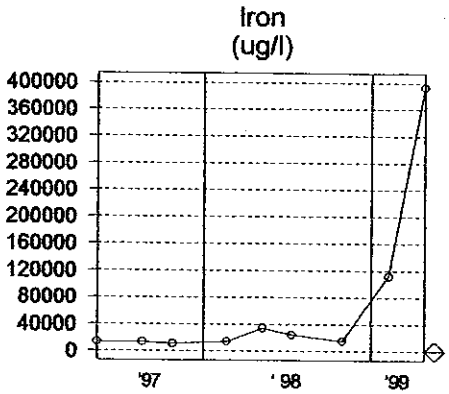
Well 2 of 3

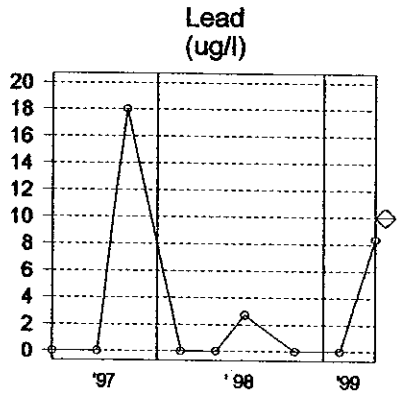
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

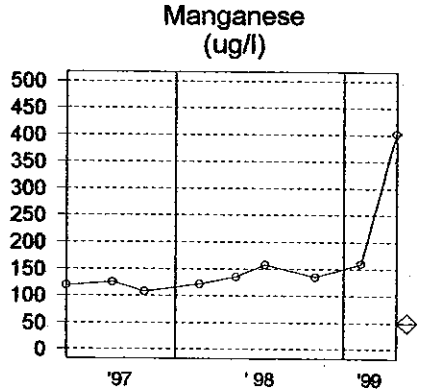


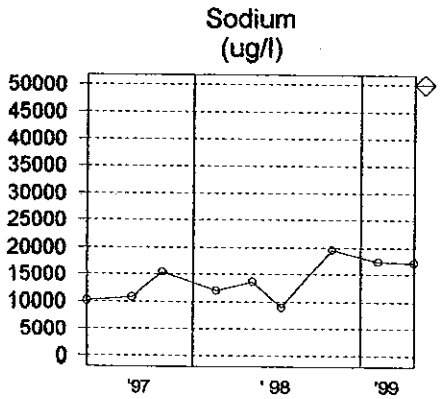


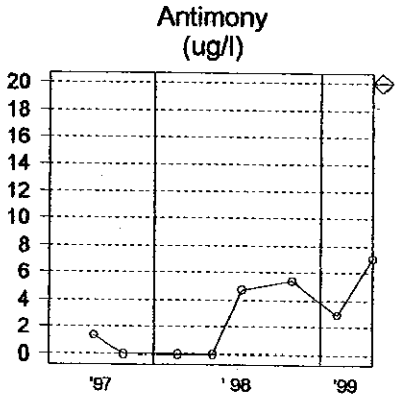


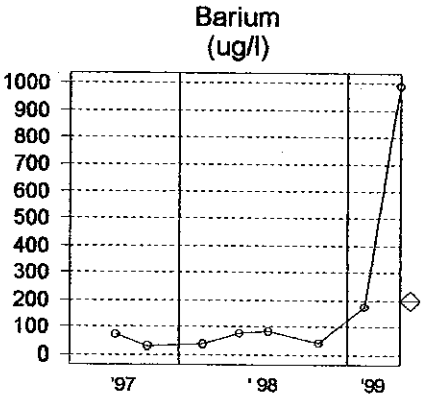












SOURCE: 00M4MW08

Sampling Dates:
05/06/97 - 04/23/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3, Graph

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

06-22-1999 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	NLE	100	NLE	NLE	5000	-				-
05/06/97	FMETL	-	-	-	-	-	6.50				V,S,P,M
08/15/97	FMETL	33340	90	5840	300	ND	6.90				V,S,P,M
10/24/97	FMETL	35680	1.2	6120	ND	53	7.60				V,S,P,M
02/18/98	FMETL	38960	ND	5950	ND	12	5.95				V,S,P,M
05/06/98	FMETL	38520	ND	6460	1.5	4.8	6.18				V,S,P,M
07/09/98	FMETL	54000	ND	7590	1.49	66.7	6.76				V,S,P,M
10/29/98	FMETL	45500	ND	8070	ND	ND	7.53				V,S,P,M
02/04/99	FMETL	77600	9.36	7600	4.05	87.5	7.08				V,S,P,M
04/23/99	FMETL	54800	22.3	7670	11.4	294	7.20				V,S,P,M

SOURCE: 00M4MW08

Sampling Dates:
05/06/97 - 04/23/99

NOTES:

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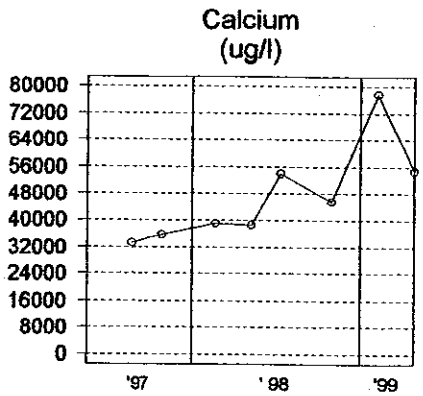
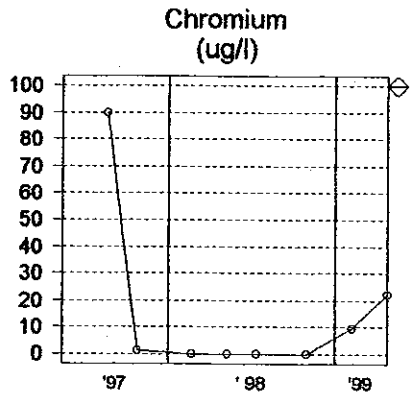
FORT MONMOUTH

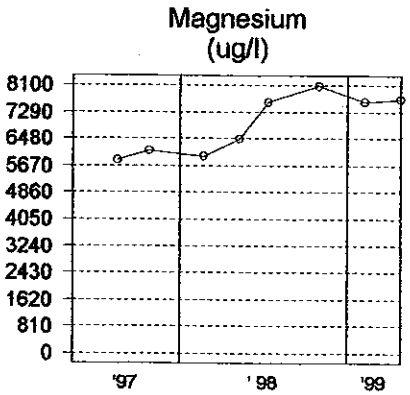
GW MONITORING
Bldg M-4

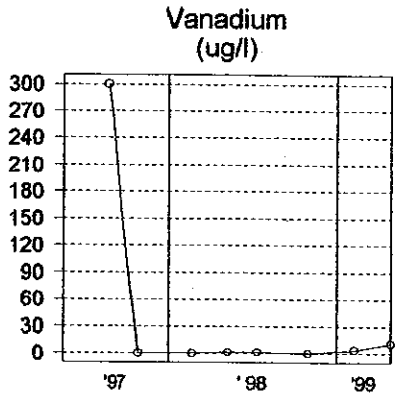
Well 2 of 3

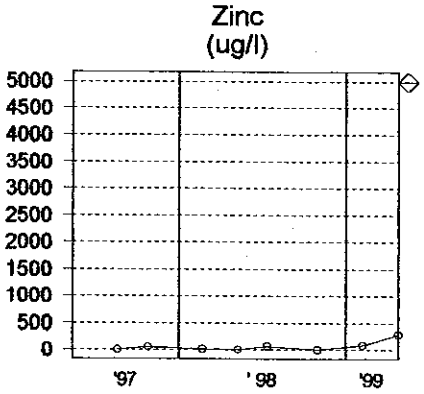
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

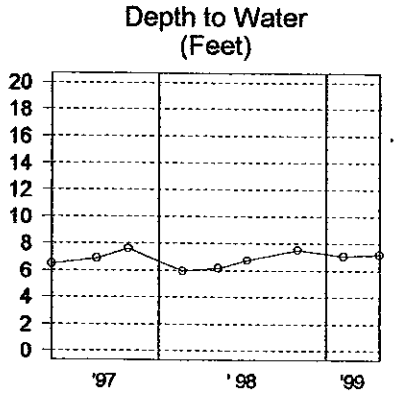












SOURCE: 00M4MW08

Sampling Dates:
05/06/97 - 04/23/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3, Graph

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

06-22-1999 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Acetone	2-But anone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	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	900	200	300	10	50	50000	20	-
05/06/97	FMETL	ND	ND	3.04	91	37000	ND	68	8300	-	V,S,P,M
08/15/97	FMETL	ND	ND	50.5	101.6	7170	ND	64	8270	ND	V,S,P,M
10/24/97	FMETL	ND	ND	11.1	107	14650	9.0	76.5	9800	ND	V,S,P,M
02/18/98	FMETL	ND	ND	5.14	80	6019	ND	66	8370	ND	V,S,P,M
05/06/98	FMETL	ND	ND	ND	ND	19630	ND	90.5	9376	ND	V,S,P,M
07/09/98	FMETL	ND	ND	ND	21.2	15500	12.2	58.2	8140	6.52	V,S,P,M
10/29/98	FMETL	16.17	5.72	ND	ND	14000	ND	41.9	8190	6.52	V,S,P,M
02/04/99	FMETL	ND	ND	ND	ND	13100	ND	114	8170	ND	V,S,P,M
04/23/99	FMETL	7.59	ND	ND	ND	11100	ND	53.7	7480	ND	V,S,P,M
04/23/99D	FMETL	8.87	ND	ND	ND	12700	ND	72.2	7360	ND	V,S,P,M

SOURCE: 00M4MW09

Sampling Dates:
05/06/97 - 04/23/99

NOTES:

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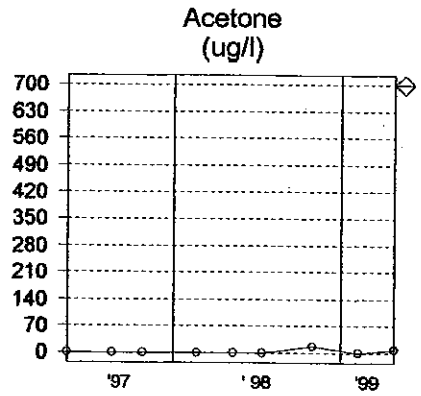
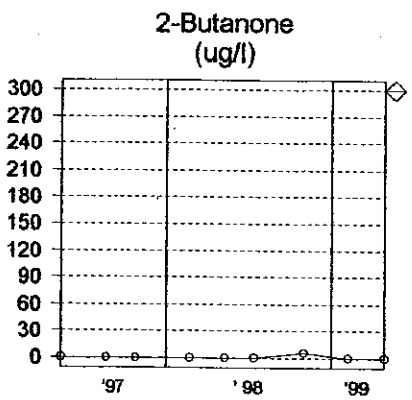
FORT MONMOUTH

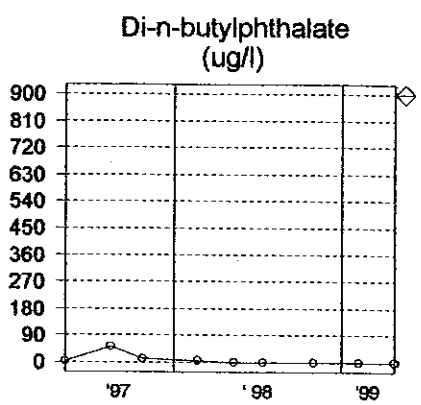
GW MONITORING
Bldg M-4

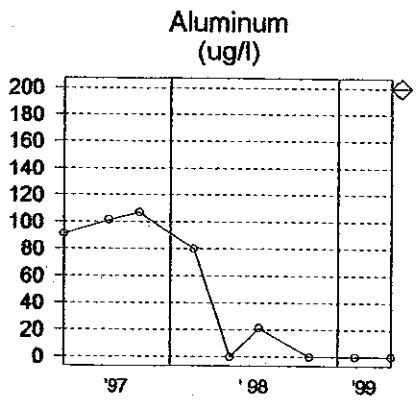
Well 3 of 3

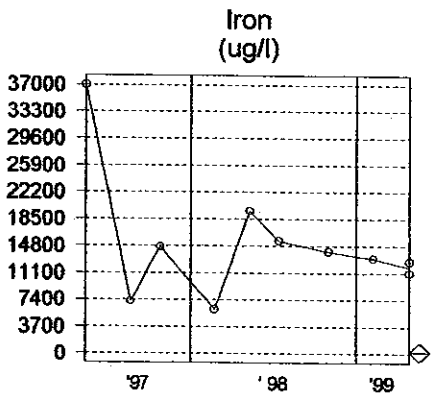
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

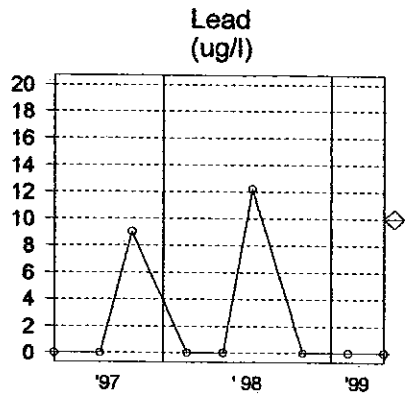


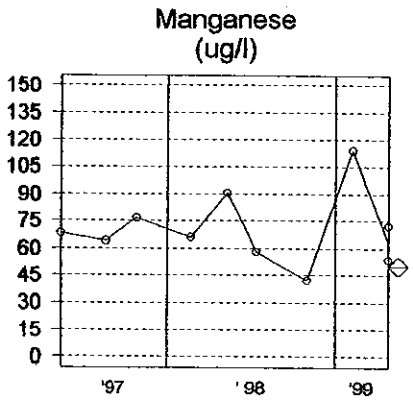


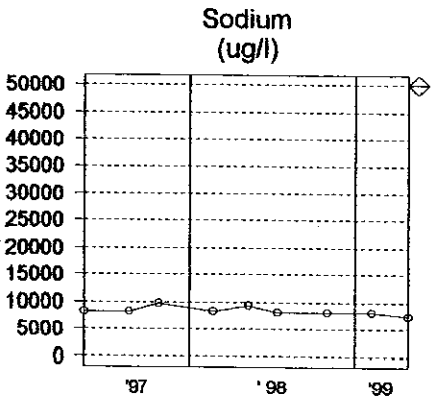


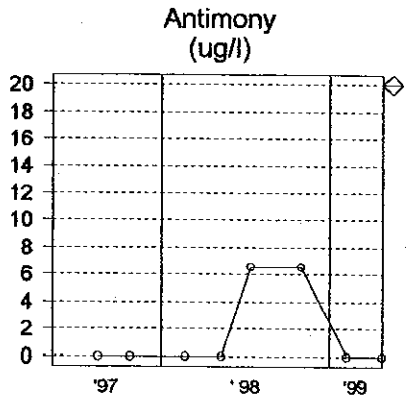












SOURCE: 00M4MW09

Sampling Dates:
05/06/97 - 04/23/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 3, Graph

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

06-22-1999 c:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	NLE	100	NLE	NLE	5000	-			-
05/06/97	FMETL	-	-	-	-	-	-	5.40			V,S,P,M
08/15/97	FMETL	130	40010	68	6070	300	ND	6.10			V,S,P,M
10/24/97	FMETL	46.7	42140	1.4	5340	ND	52	6.75			V,S,P,M
02/18/98	FMETL	42	44320	ND	5840	ND	43	4.99			V,S,P,M
05/06/98	FMETL	80	44510	ND	6243	ND	5.9	5.31			V,S,P,M
07/09/98	FMETL	278	45500	ND	5650	ND	98.6	6.12			V,S,P,M
10/29/98	FMETL	72.4	43700	ND	5480	ND	ND	6.88			V,S,P,M
02/04/99	FMETL	66.7	44100	ND	5960	ND	18.5	6.18			V,S,P,M
04/23/99	FMETL	62.5	40400	2.15	5830	ND	18.7	5.94			V,S,P,M
04/23/99D	FMETL	66.2	38800	2.38	5820	ND	26.6	5.94			V,S,P,M

SOURCE: 00M4MW09

Sampling Dates:
05/06/97 - 04/23/99

NOTES:

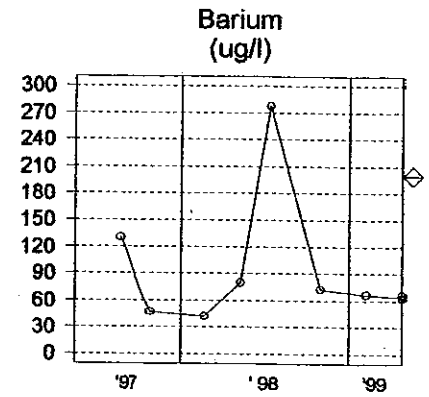
Silver in blank > Criteria in May 97
Page 2 of 2.

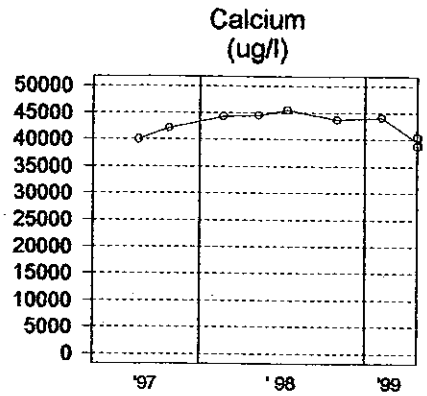
FORT MONMOUTH

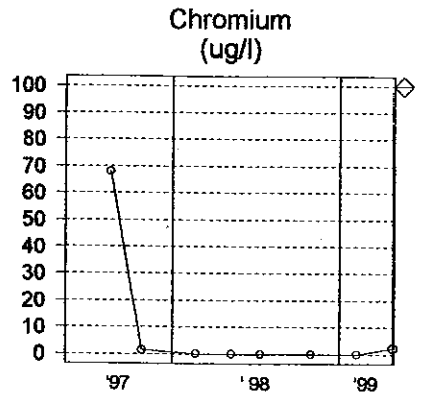
GW MONITORING
Bldg M-4

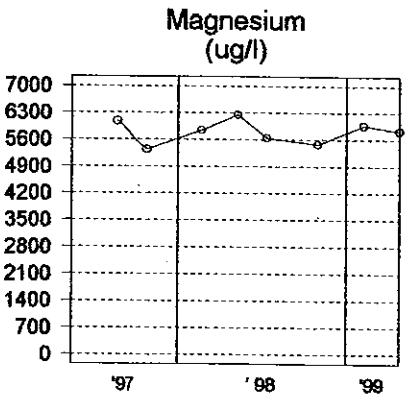
Well 3 of 3

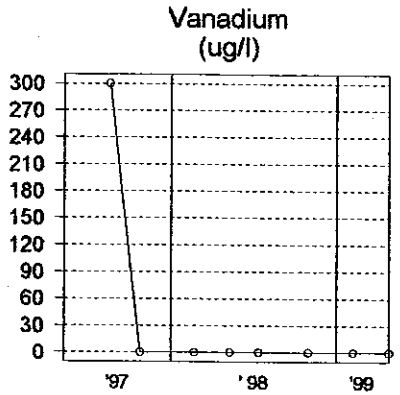
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

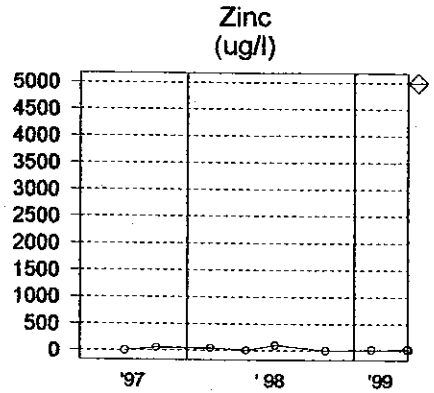


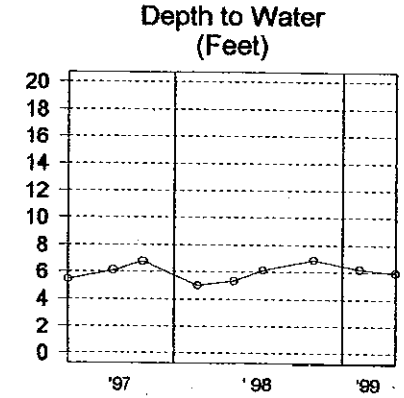












SOURCE: 00M4MW09

Sampling Dates:
05/06/97 - 04/23/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 3, Graph

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

06-22-1999 c:\mtech46\fm\m-4\gw\m4.wsf

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: M-4

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4591.01	00M4MW07	29-32571	07/06/99
4591.02	00M4MW08	29-32572	07/06/99
4591.03	00M4MW09	29-32573	07/06/99

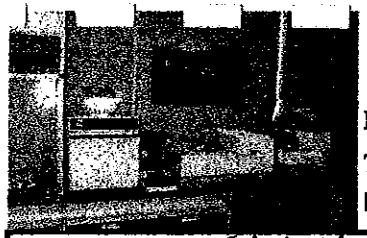
NJDEP Laboratory Certification # 13461

9-9-99
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 #: X216223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: M4 mw's 3rd Qtr '99

Samplers Name / Company : Corey McCormack, TVS

Comments: HCL/HNO3/4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOTS	BNA 625	Pest/PCB	TAL MTTS				Hg Lab	Remarks / Preservation Method
4591. .01	00M4MW07	7/6/99	1300	AQ	5	✓	✓	✓	✓				0.0	29-32571
.02	00M4MW08	↓	1345	↓	5	✓	✓	✓	✓				0.0	29-32572
.03	00M4MW09	↓	1423	↓	5	✓	✓	✓	✓				0.0	29-32573

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	7/6/99 1440	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

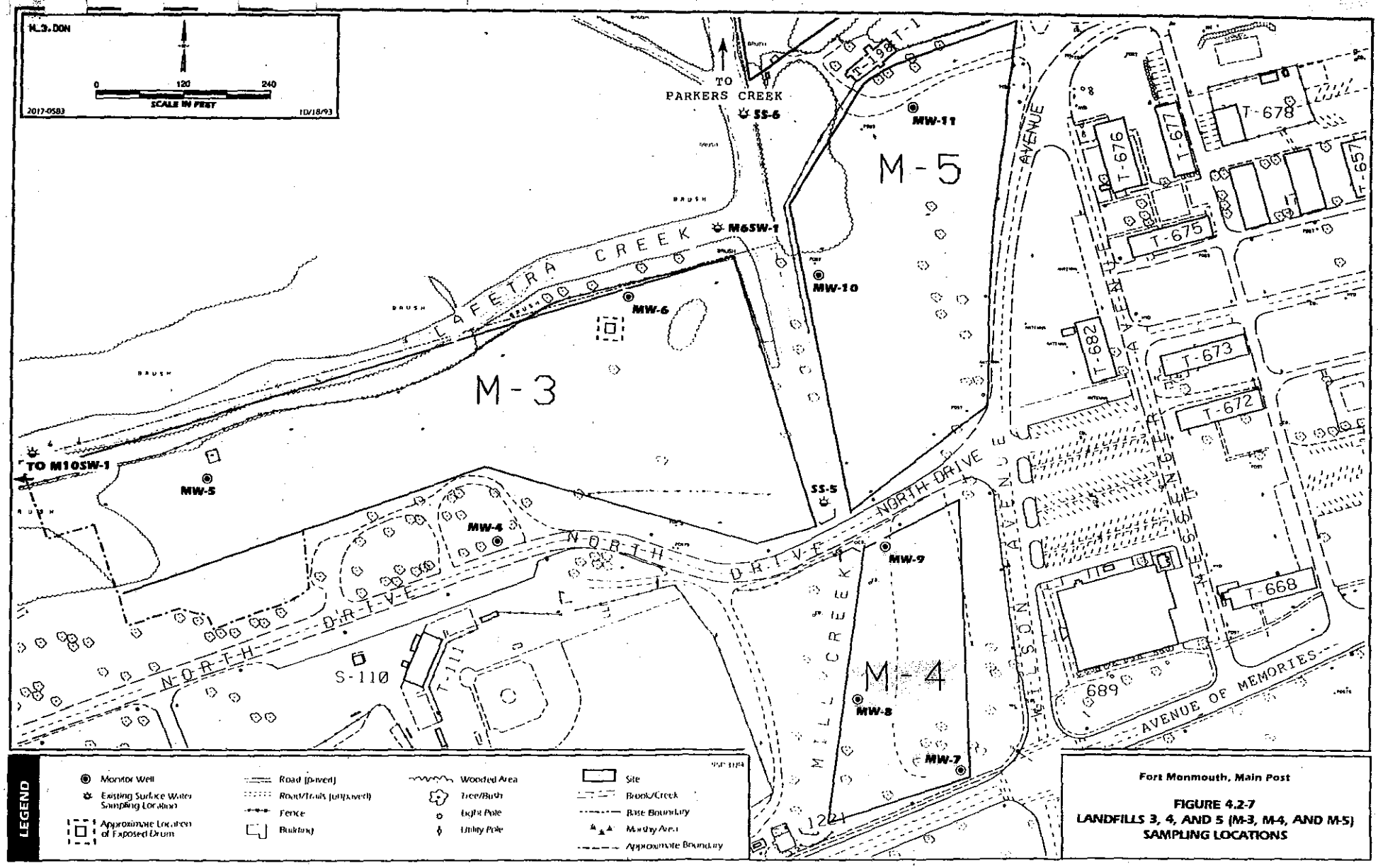
Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: Tide: Low
Shows Trip/Blank/Dup form 1122 Same date. cpm

print legibly

Page 1 of 1

Coc.xls6/21/99



Fort Monmouth, Main Post

FIGURE 4.2-7
LANDFILLS 3, 4, AND 5 (M-3, M-4, AND M-5) SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW07
NJDEP ID #: 29-32571
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/06/99
WEATHER: Sunny, hot, humid.
TIDE: Low.

ELEV. OF CASING SURVEY MARK: 16.75 ft
DEPTH TO WATER: 9.20 ft
DEPTH OF WELL: 17.61 ft
HEIGHT OF WATER: 8.41 ft
(8.41) X .65 X 3 = 16.39
GALLONS OF H2O TO BE PURGED: 16 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 5.83 su
DISSOLVED O_2 7.41 PPM
TEMP 13.0 °C
SPECIFIC CONDUCTIVITY 220 us/cm

PURGE END TIME: 13:00
pH 5.79 su
DISSOLVED O_2 4.31 PPM
TEMP 12.3 °C
SPECIFIC CONDUCTIVITY 221us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.88 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 16 gal

pH 5.79 su
DISSOLVED O_2 4.26 PPM
TEMP 12.3 °C
SPECIFIC CONDUCTIVITY 220 us/cm

COMMENTS: Roots. No phases.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW08
NJDEP ID #: 29-32572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/06/99
WEATHER: Sunny, very hot, humid.
TIDE: Low

ELEV. OF CASING SURVEY MARK: 10.68 ft
DEPTH TO WATER: 7.51 ft
DEPTH OF WELL: 19.90 ft
HEIGHT OF WATER: 12.39 ft
(12.39) X .65 X 3 = 24.16
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: 12:00
pH 6.38 su
DISSOLVED O_2 7.17 PPM
TEMP 13.1 °C
SPECIFIC CONDUCTIVITY 319 us/cm

PURGE END TIME: 13:45
pH 6.35 su
DISSOLVED O_2 4.21 PPM
TEMP 12.5 °C
SPECIFIC CONDUCTIVITY 319 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.42 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 24 gal

pH 6.34 su
DISSOLVED O_2 4.17 PPM
TEMP 12.4 °C
SPECIFIC CONDUCTIVITY 319 us/cm

COMMENTS: Roots. No phases.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW09
NJDEP ID #: 29-32573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/06/99
WEATHER: Sunny, very hot, humid.
TIDE: Low.

ELEV. OF CASING SURVEY MARK: 9.69 ft
DEPTH TO WATER: 6.68 ft
DEPTH OF WELL: 24.25 ft
HEIGHT OF WATER: 17.57 ft
(17.57) X .65 X 3 = 34.26
GALLONS OF H2O TO BE PURGED: 34 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 6.85 su
DISSOLVED O_2 7.41 PPM
TEMP 12.7 °C
SPECIFIC CONDUCTIVITY 330 us/cm

PURGE END TIME: 14:23
pH 6.87 su
DISSOLVED O_2 4.31 PPM
TEMP 12.2°C
SPECIFIC CONDUCTIVITY 330 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.45 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 34 gal

pH 6.86 su
DISSOLVED O_2 4.27 PPM
TEMP 12.2 °C
SPECIFIC CONDUCTIVITY 330 us/cm

COMMENTS: No phases.

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	**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	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

7/14/99 2:38 PM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Vblk13**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4591 Location: M4 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: 7/6/99

% 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	**VC000473.D**	Sample Name	**4591.01**
Operator	**Skelton**	Field ID	**00M4MW07**
Date Acquired	**12 Jul 1999 11:24 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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **00M4MW07**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4591 Location: M4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4591.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000473.D

Level: (low/med) LOW Date Received: 7/6/99

% 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	VC000474.D	Sample Name	4591.02
Operator	Skelton	Field ID	00M4MW08
Date Acquired	13 Jul 1999 12:06 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	15.26	40718	4.20 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 ether			not detected	nle	0.65 ug/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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **00M4MW08**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4591 Location: M4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4591.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000474.D

Level: (low/med) LOW Date Received: 7/6/99

% Moisture: not dec. _____ Date Analyzed: 7/13/99

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	VC000475.D	Sample Name	4591.03
Operator	Skelton	Field ID	00M4MW09
Date Acquired	13 Jul 1999 12:47 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	8.87	46155	5.92 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	15.24	60699	6.32 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 ether			not detected	nle	0.65 ug/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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **00M4MW09**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4591 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4591.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000475.D

Level: (low/med) LOW Date Received: 7/6/99

% Moisture: not dec. Date Analyzed: 7/13/99

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	**BNA02950.D**	Sample Name	**Sblk273**
Operator	**Bhaskar**	Misc Info	**Sblk273 A 990709**
Date Acquired	**12-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	**BNA02950.D**	Sample Name	**Sblk273**
Operator	**Bhaskar**	Misc Info	**Sblk273 A 990709**
Date Acquired	**12-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

Sblk273

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4591 Location M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Sblk273

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02950.D

Level: (low/med) LOW Date Received: 7/6/99

% Moisture: decanted: (Y/N) N Date Extracted: 7/9/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/12/99

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	**BNA02956.D**	Sample Name	**4591.01**
Operator	**Bhaskar**	Misc Info	**00M4MW07**
Date Acquired	**13-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
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Data File Name	**BNA02956.D**	Sample Name	**4591.01**
Operator	**Bhaskar**	Misc Info	**00M4MW07**
Date Acquired	**13-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

00M4MW07

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4591 Location M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4591.01

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02956.D

Level: (low/med) LOW Date Received: 7/6/99

% Moisture: decanted: (Y/N) N Date Extracted: 7/9/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/13/99

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	**BNA02957.D**	Sample Name	**4591.02**
Operator	**Bhaskar**	Misc Info	**00M4MW08**
Date Acquired	**13-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
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Data File Name	**BNA02957.D**	Sample Name	**4591.02**
Operator	**Bhaskar**	Misc Info	**00M4MW08**
Date Acquired	**13-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

00M4MW08

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4591 Location M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4591.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02957.D

Level: (low/med) LOW Date Received: 7/6/99

% Moisture: decanted: (Y/N) N Date Extracted: 7/9/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/13/99

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	**BNA02958.D**	Sample Name	**4591.03**
Operator	**Bhaskar**	Misc Info	**00M4MW09**
Date Acquired	**13-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	**BNA02958.D**	Sample Name	**4591.03**
Operator	**Bhaskar**	Misc Info	**00M4MW09**
Date Acquired	**13-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

00M4MW09

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4591 Location M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4591.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02958.D

Level: (low/med) LOW Date Received: 7/6/99

% Moisture: decanted: (Y/N) N Date Extracted: 7/9/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/13/99

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

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

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	**Lab. ID # :** **Date Rec'd:** **Extraction Date:** **Analysis Date:**	4591.01 7/6/99 7/8/99 7/29/99
Analysis:	EPA Method 608	**Location :**	M4
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW07
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 # :**	4591.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	7/6/99
	Bldg. 173	**Extraction Date:**	7/8/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/29/99
Analysis:	EPA Method 608	**Location :**	M4
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW08
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 # :** **Date Rec'd:** **Extraction Date:** **Analysis Date:**	4591.03 7/6/99 7/8/99 7/29/99
Analysis:	EPA Method 608	**Location :**	M4
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW09
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 # :**	PBLK362
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	7/8/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/29/99
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 #: 4591
Sample Prepared: 07/22/99

Site: M4
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	07/22/99	ND	200	10.0
Antimony	07/22/99	2.88	20	2.0
Arsenic	07/22/99	ND	8	2.0
Barium	07/22/99	1.62	2000	0.5
Beryllium	07/22/99	ND	20	0.5
Cadmium	07/22/99	ND	4	0.5
Calcium	07/22/99	126	NLE	20.0
Chromium	07/22/99	1.63	100	0.5
Cobalt	07/22/99	ND	NLE	0.5
Copper	07/22/99	116	1000	3.0
Iron	07/22/99	27.4	300	10.0
Lead	07/22/99	ND	10	2.0
Magnesium	07/22/99	26.7	NLE	20.0
Manganese	07/22/99	1.20	50	0.5
Mercury	07/09/99	ND	2	0.1
Nickel	07/22/99	3.48	100	0.5
Potassium	07/22/99	276	NLE	20.0
Selenium	07/22/99	ND	50	3.0
Silver	07/22/99	ND	20	3.0
Sodium	07/22/99	329	50000	20.0
Thallium	07/22/99	ND	10	3.0
Vanadium	07/22/99	ND	NLE	1.0
Zinc	07/22/99	44.3	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 #: 4591.01
Sample Received: 07/06/99
Sample Matrix: Aqueous

Site: M4
Ft. Monmouth, New Jersey

Field ID#: 00M4MW07

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	07/22/99	377	200	10.0
Antimony	07/22/99	ND	20	2.0
Arsenic	07/22/99	ND	8	2.0
Barium	07/22/99	44.6	2000	0.5
Beryllium	07/22/99	ND	20	0.5
Cadmium	07/22/99	0.655	4	0.5
Calcium	07/22/99	14400	NLE	20.0
Chromium	07/22/99	2.78	100	0.5
Cobalt	07/22/99	3.04	NLE	0.5
Copper	07/22/99	47.7	1000	3.0
Iron	07/22/99	554	300	10.0
Lead	07/22/99	ND	10	2.0
Magnesium	07/22/99	4160	NLE	20.0
Manganese	07/22/99	41.3	50	0.5
Mercury	07/09/99	ND	2	0.1
Nickel	07/22/99	6.77	100	0.5
Potassium	07/22/99	1320	NLE	20.0
Selenium	07/22/99	ND	50	3.0
Silver	07/22/99	ND	20	3.0
Sodium	07/22/99	39700	50000	20.0
Thallium	07/22/99	ND	10	3.0
Vanadium	07/22/99	ND	NLE	1.0
Zinc	07/22/99	38.3	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 #: 4591.02
Sample Received: 07/06/99
Sample Matrix: Aqueous

Site: M4
Ft. Monmouth, New Jersey

Field ID#: 00M4MW08

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	07/22/99	1020	200	10.0
Antimony	07/22/99	ND	20	2.0
Arsenic	07/22/99	ND	8	2.0
Barium	07/22/99	405	2000	0.5
Beryllium	07/22/99	1.06	20	0.5
Cadmium	07/22/99	2.17	4	0.5
Calcium	07/22/99	37500	NLE	20.0
Chromium	07/22/99	8.89	100	0.5
Cobalt	07/22/99	1.21	NLE	0.5
Copper	07/22/99	24.4	1000	3.0
Iron	07/22/99	54200	300	10.0
Lead	07/22/99	3.46	10	2.0
Magnesium	07/22/99	7650	NLE	20.0
Manganese	07/22/99	152	50	0.5
Mercury	07/09/99	0.29	2	0.1
Nickel	07/22/99	4.27	100	0.5
Potassium	07/22/99	5840	NLE	20.0
Selenium	07/22/99	ND	50	3.0
Silver	07/22/99	ND	20	3.0
Sodium	07/22/99	30400	50000	20.0
Thallium	07/22/99	ND	10	3.0
Vanadium	07/22/99	5.90	NLE	1.0
Zinc	07/22/99	109	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 #: 4591.03
Sample Received: 07/06/99
Sample Matrix: Aqueous

Site: M4
Ft. Monmouth, New Jersey

Field ID#: 00M4MW09

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	07/22/99	ND	200	10.0
Antimony	07/22/99	ND	20	2.0
Arsenic	07/22/99	ND	8	2.0
Barium	07/22/99	72.2	2000	0.5
Beryllium	07/22/99	ND	20	0.5
Cadmium	07/22/99	0.750	4	0.5
Calcium	07/22/99	40900	NLE	20.0
Chromium	07/22/99	2.18	100	0.5
Cobalt	07/22/99	ND	NLE	0.5
Copper	07/22/99	15.6	1000	3.0
Iron	07/22/99	12900	300	10.0
Lead	07/22/99	ND	10	2.0
Magnesium	07/22/99	5760	NLE	20.0
Manganese	07/22/99	18.2	50	0.5
Mercury	07/09/99	0.34	2	0.1
Nickel	07/22/99	ND	100	0.5
Potassium	07/22/99	7450	NLE	20.0
Selenium	07/22/99	ND	50	3.0
Silver	07/22/99	ND	20	3.0
Sodium	07/22/99	6040	50000	20.0
Thallium	07/22/99	ND	10	3.0
Vanadium	07/22/99	ND	NLE	1.0
Zinc	07/22/99	25.3	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

	Lab	Acetone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Silver	Sodium	Antimony	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	900	200	300	10	50	20	50000	20	-
05/06/97	FMETL	ND	5.96	1500	160	ND	90	21	58300	-	V,S,P,M
08/15/97	FMETL	ND	61	620	820	ND	81	ND	55150	1.1	V,S,P,M
10/24/97	FMETL	ND	2.28	559	2491	20	50.3	ND	17860	ND	V,S,P,M
02/18/98	FMETL	ND	8.18	538	163	ND	40.7	ND	27110	ND	V,S,P,M
05/06/98	FMETL	ND	ND	962	1621	ND	24.9	ND	19310	ND	V,S,P,M
10/29/98	FMETL	ND	ND	969	3770	7.96	39.7	ND	28500	5.45	V,S,P,M
10/29/98	FMETL	8.46	ND	582	1830	ND	53.6	ND	29300	3.96	V,S,P,M
02/04/99	FMETL	ND	ND	474	442	ND	39.7	ND	21500	ND	V,S,P,M
04/23/99	FMETL	7.39	ND	606	305	ND	71.2	ND	26400	ND	V,S,P,M
07/06/99	FMETL	ND	ND	377	554	ND	41.3	ND	39700	ND	V,S,P,M

SOURCE: 00M4MW07

Sampling Dates:
05/06/97 - 07/06/99

NOTES:

Silver in blank > Criteria in May 97

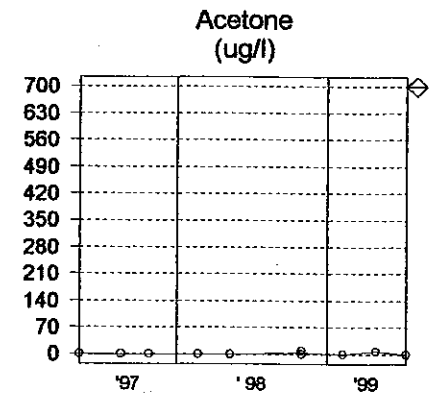
Page 1 of 2.

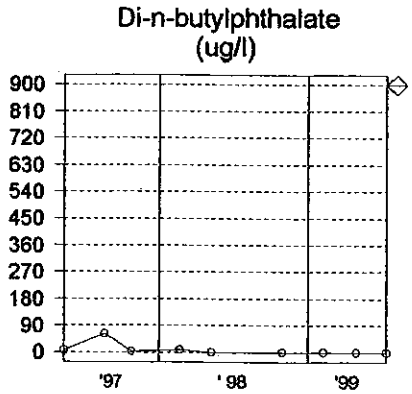
FORT MONMOUTH

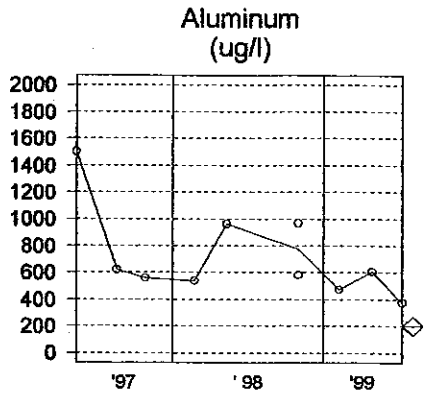
GW MONITORING
Bldg M-4

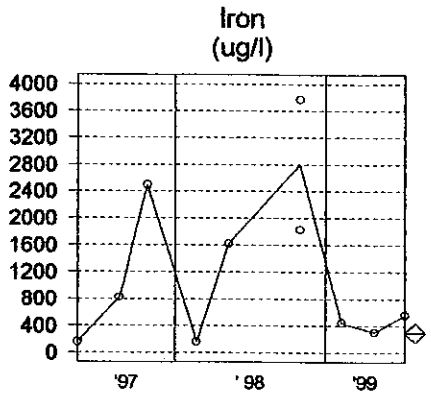
Well 1 of 3

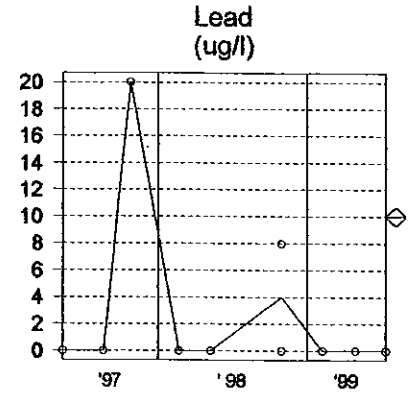
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

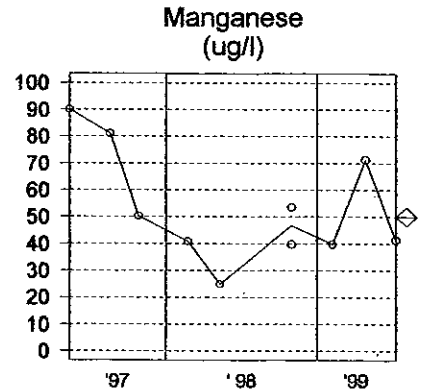


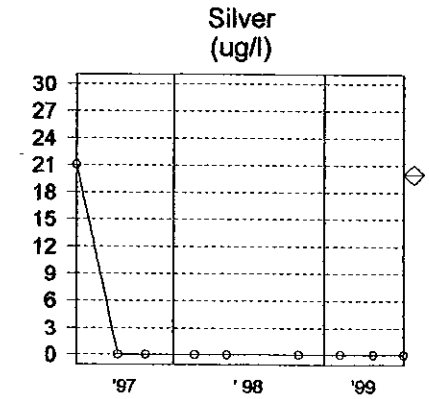


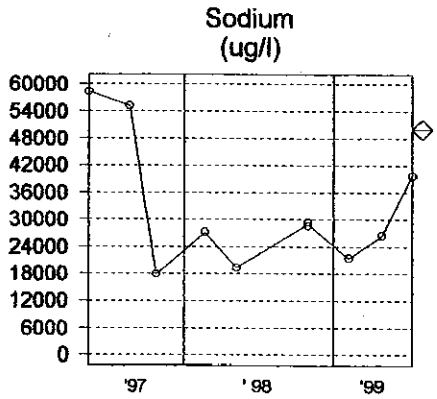


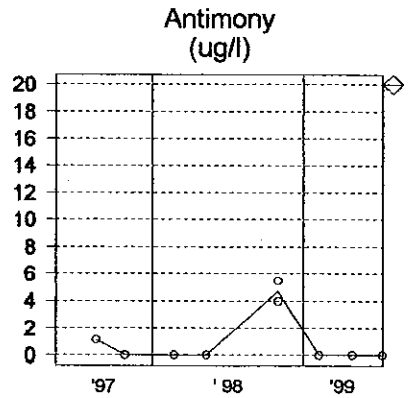












SOURCE: 00M4MW07

Sampling Dates:
05/06/97 - 07/06/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3, Graph

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

09-03-1999 x:\mtech46\m\m-4\gw\m4.wsf

	Lab	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	NLE	100	NLE	NLE	5000	-			-
05/06/97	FMETL	-	-	-	-	-	-	7.70			V,S,P,M
08/15/97	FMETL	100	15440	89	7070	300	42	9.15			V,S,P,M
10/24/97	FMETL	83.6	9680	1.8	5530	ND	75	9.70			V,S,P,M
02/18/98	FMETL	32.4	13760	ND	4070	ND	46	6.40			V,S,P,M
05/06/98	FMETL	18.5	8562	1.4	2882	3.2	12.8	6.92			V,S,P,M
10/29/98	FMETL	28.1	11100	ND	3230	5.34	66.5	8.63			V,S,P,M
10/29/98	FMETL	94.7	14500	1.22	6780	ND	23.7	9.97			V,S,P,M
02/04/99	FMETL	29.5	11000	4.28	3540	ND	42.2	7.41			V,S,P,M
04/23/99	FMETL	26.6	12800	2.70	3950	ND	35.2	7.86			V,S,P,M
07/06/99	FMETL	44.6	14400	2.78	4160	ND	38.3	9.20			V,S,P,M

SOURCE: 00M4MW07

Sampling Dates:
05/06/97 - 07/06/99

NOTES:

Silver in blank > Criteria in May 97

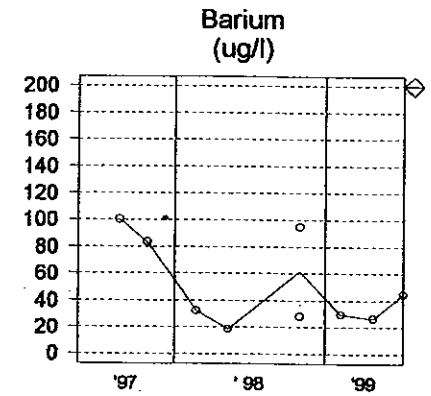
Page 2 of 2.

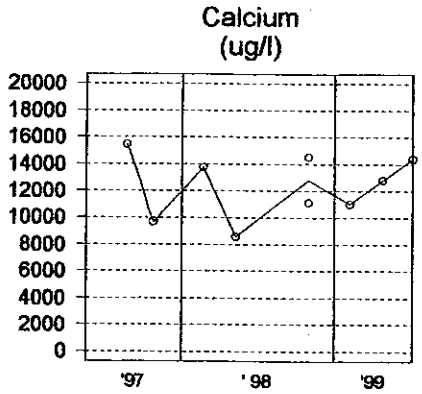
FORT MONMOUTH

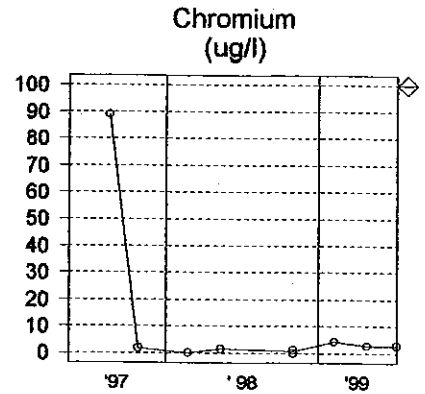
GW MONITORING
Bldg M-4

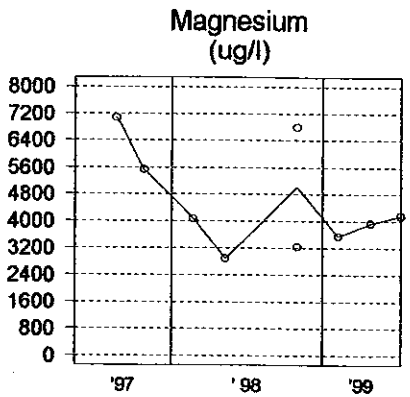
Well 1 of 3

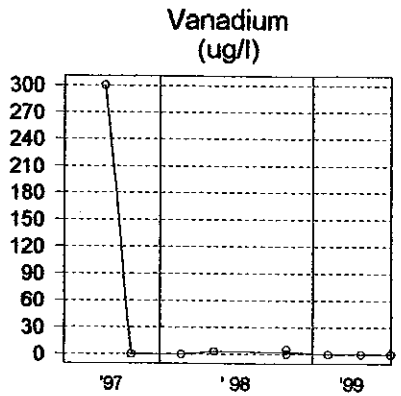
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

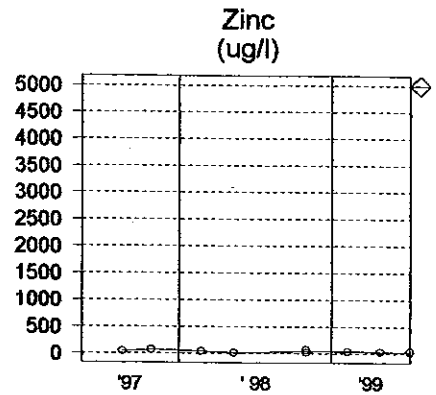


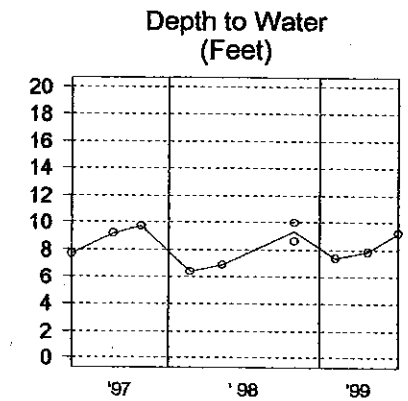












SOURCE: 00M4MW07

Sampling Dates:
05/06/97 - 07/06/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3, Graph

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

09-03-1999 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Acetone	2-But anone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	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	900	200	300	10	50	50000	20	-
05/06/97	FMETL	ND	ND	11.67	35	13900	ND	119	10100	-	V,S,P,M
08/15/97	FMETL	ND	ND	56	344	13760	ND	125	10750	1.3	V,S,P,M
10/24/97	FMETL	ND	ND	ND	113	11060	18	107	15360	ND	V,S,P,M
02/18/98	FMETL	ND	ND	10.8	128	14930	ND	121	11960	ND	V,S,P,M
05/06/98	FMETL	ND	ND	ND	203	34950	ND	135	13560	ND	V,S,P,M
07/09/98	FMETL	ND	ND	ND	293	24900	2.7	158	8970	4.72	V,S,P,M
10/29/98	FMETL	13.01	ND	ND	15.8	15400	ND	135	19600	5.36	V,S,P,M
02/04/99	FMETL	ND	ND	ND	942	112000	ND	160	17400	2.92	V,S,P,M
04/23/99	FMETL	8.64	ND	1.20	3520	393000	8.35	402	17200	7.05	V,S,P,M
07/06/99	FMETL	ND	4.20	ND	1020	54200	3.46	152	30400	ND	V,S,P,M

SOURCE: 00M4MW08

Sampling Dates:
05/06/97 - 07/06/99

NOTES:

Silver in blank > Criteria in May 97

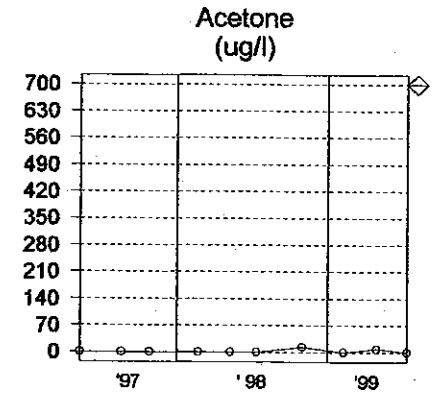
Page 1 of 2.

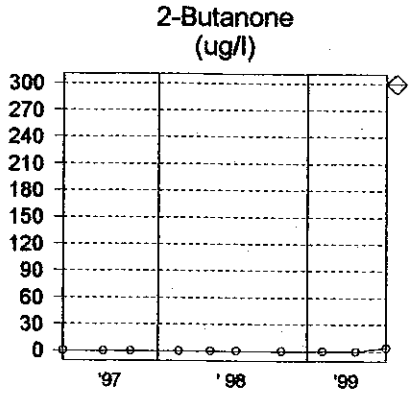
FORT MONMOUTH

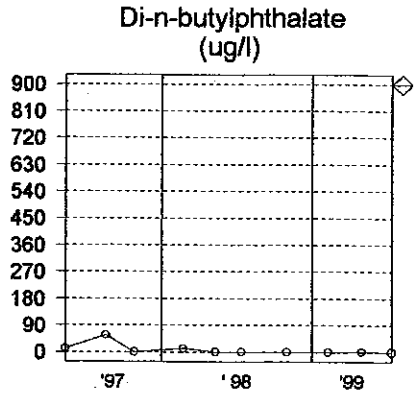
GW MONITORING
Bldg M-4

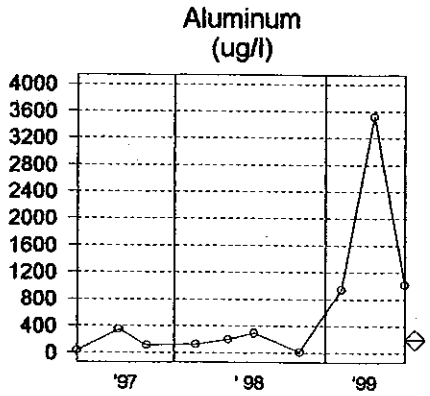
Well 2 of 3

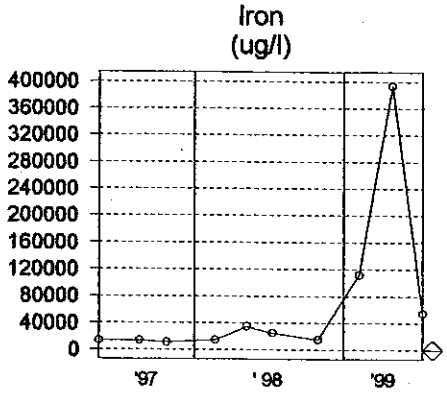
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

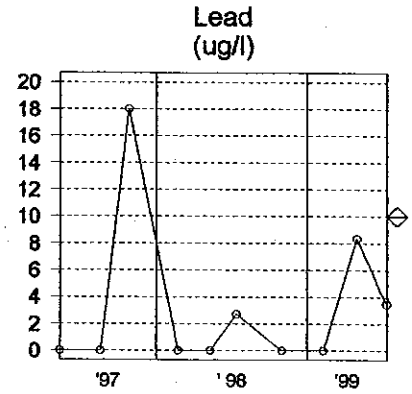


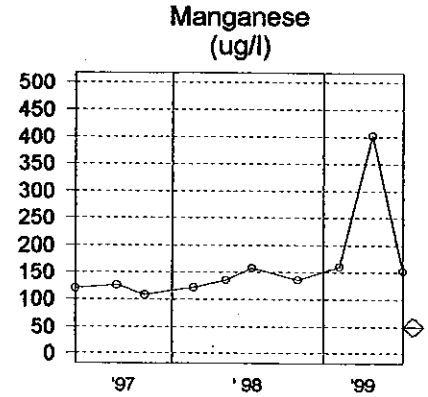


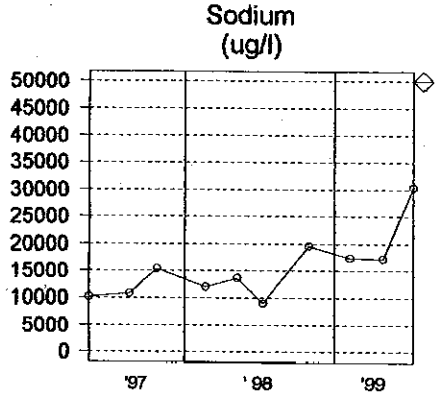


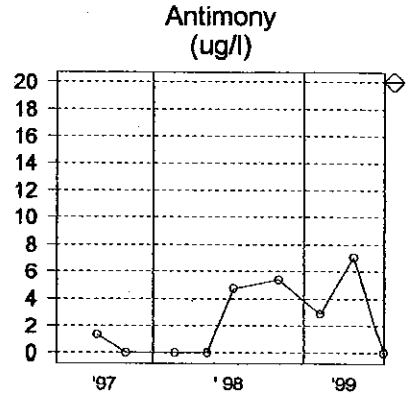












SOURCE: 00M4MW08

Sampling Dates:
05/06/97 - 07/06/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3, Graph

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

09-03-1999 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	NLE	100	NLE	NLE	5000	-			-
05/06/97	FMETL	-	-	-	-	-	-	6.50			V,S,P,M
08/15/97	FMETL	70	33340	90	5840	300	ND	6.90			V,S,P,M
10/24/97	FMETL	29.5	35680	1.2	6120	ND	53	7.60			V,S,P,M
02/18/98	FMETL	36	38960	ND	5950	ND	12	5.95			V,S,P,M
05/06/98	FMETL	74	38520	ND	6460	1.5	4.8	6.18			V,S,P,M
07/09/98	FMETL	81.1	54000	ND	7590	1.49	66.7	6.76			V,S,P,M
10/29/98	FMETL	40.9	45500	ND	8070	ND	ND	7.53			V,S,P,M
02/04/99	FMETL	176	77600	9.36	7600	4.05	87.5	7.08			V,S,P,M
04/23/99	FMETL	990	54800	22.3	7670	11.4	294	7.20			V,S,P,M
07/06/99	FMETL	405	37500	8.89	7650	5.90	109	7.51			V,S,P,M

SOURCE: 00M4MW08

Sampling Dates:
05/06/97 - 07/06/99

NOTES:

Silver in blank > Criteria in May 97

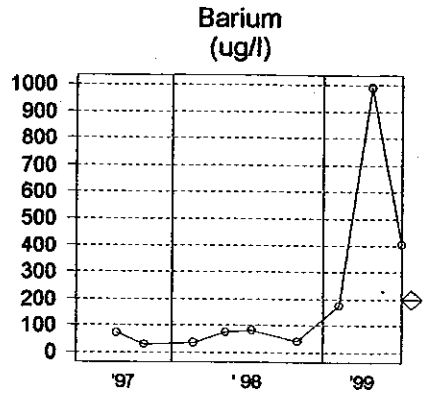
Page 2 of 2.

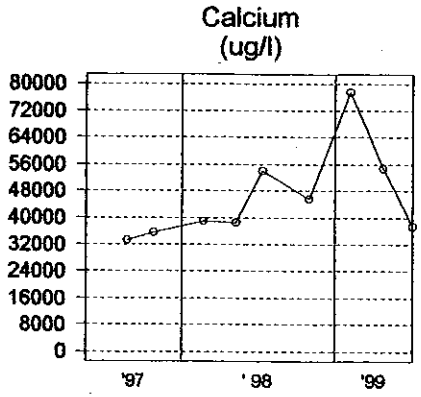
FORT MONMOUTH

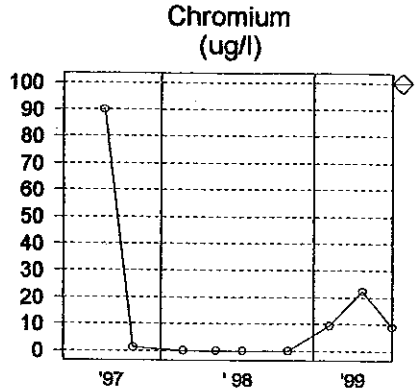
GW MONITORING
Bldg M-4

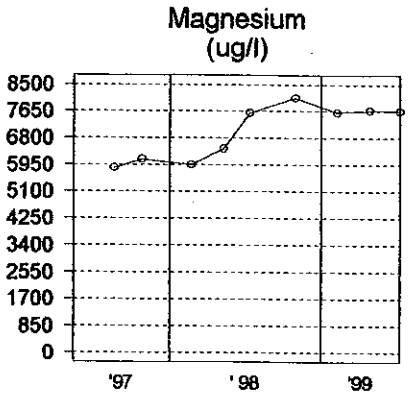
Well 2 of 3

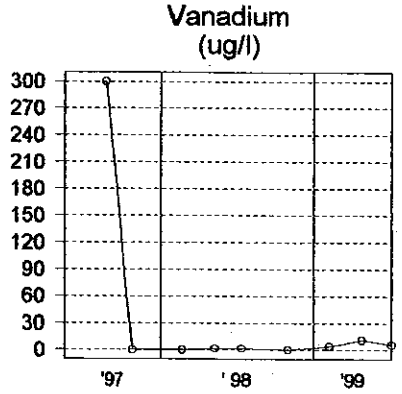
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

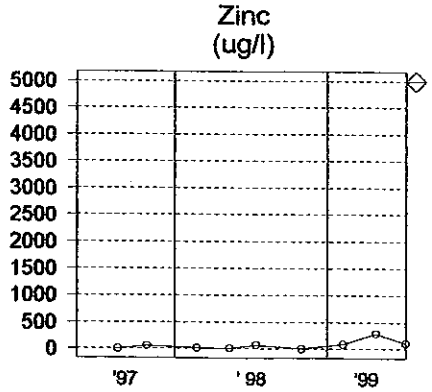


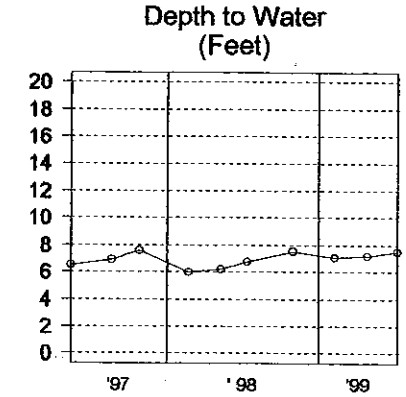












SOURCE: 00M4MW08

Sampling Dates:
05/06/97 - 07/06/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3, Graph

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

09-03-1999 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Acetone	2-But anone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	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	900	200	300	10	50	50000	20	-
05/06/97	FMETL	ND	ND	3.04	91	37000	ND	68	8300	-	V,S,P,M
08/15/97	FMETL	ND	ND	50.5	101.6	7170	ND	64	8270	ND	V,S,P,M
10/24/97	FMETL	ND	ND	11.1	107	14650	9.0	76.5	9800	ND	V,S,P,M
02/18/98	FMETL	ND	ND	5.14	80	6019	ND	66	8370	ND	V,S,P,M
05/06/98	FMETL	ND	ND	ND	ND	19630	ND	90.5	9376	ND	V,S,P,M
07/09/98	FMETL	ND	ND	ND	21.2	15500	12.2	58.2	8140	6.52	V,S,P,M
10/29/98	FMETL	16.17	5.72	ND	ND	14000	ND	41.9	8190	6.52	V,S,P,M
02/04/99	FMETL	ND	ND	ND	ND	13100	ND	114	8170	ND	V,S,P,M
04/23/99	FMETL	7.59	ND	ND	ND	11100	ND	53.7	7480	ND	V,S,P,M
04/23/99D	FMETL	8.87	ND	ND	ND	12700	ND	72.2	7360	ND	V,S,P,M
07/06/99	FMETL	5.92	6.32	ND	ND	12900	ND	18.2	6040	ND	V,S,P,M

SOURCE: 00M4MW09

Sampling Dates:
05/06/97 - 07/06/99

NOTES:

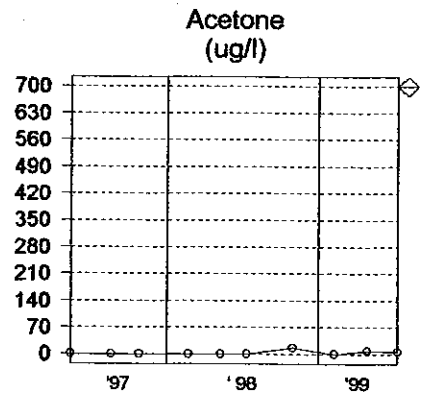
Silver in blank > Criteria in May 97
Page 1 of 2.

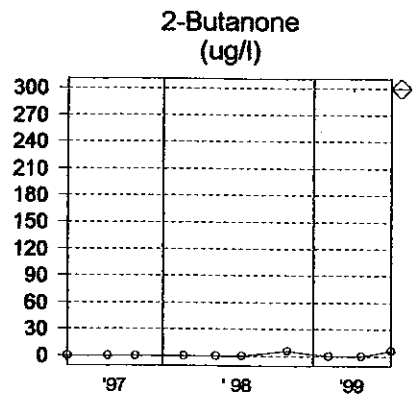
FORT MONMOUTH

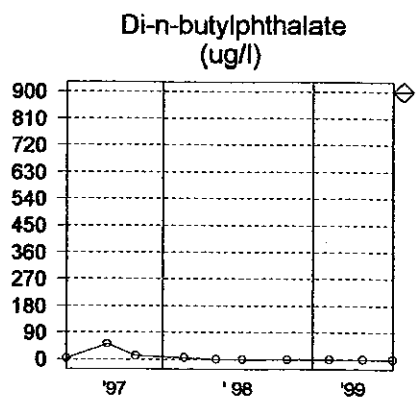
GW MONITORING
Bldg M-4

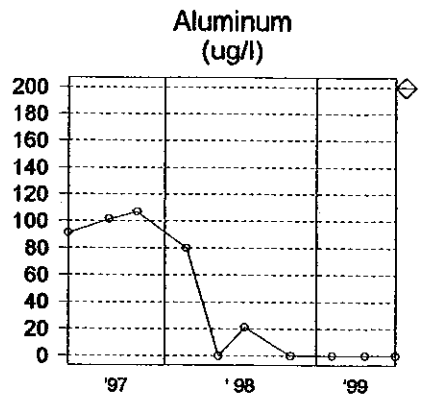
Well 3 of 3

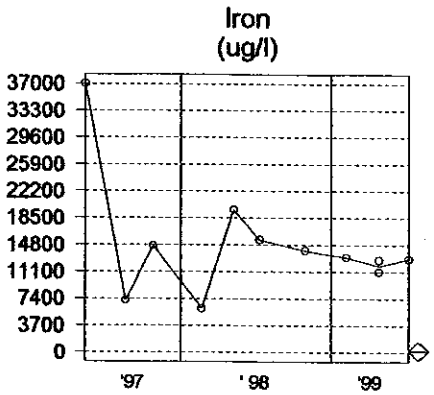
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

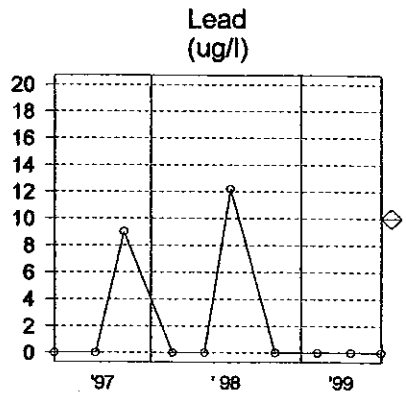


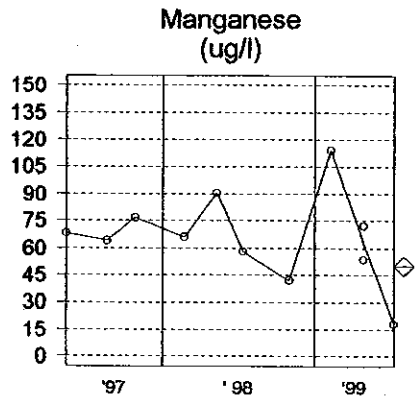


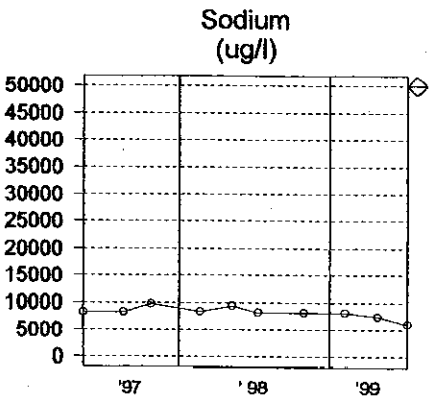


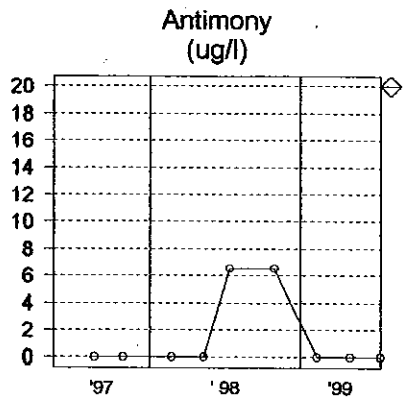












SOURCE: 00M4MW09

Sampling Dates:
05/06/97 - 07/06/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 3, Graph

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

09-03-1999 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	NLE	100	NLE	NLE	5000	-			-
05/06/97	FMETL	-	-	-	-	-	-	5.40			V,S,P,M
08/15/97	FMETL	130	40010	68	6070	300	ND	6.10			V,S,P,M
10/24/97	FMETL	46.7	42140	1.4	5340	ND	52	6.75			V,S,P,M
02/18/98	FMETL	42	44320	ND	5840	ND	43	4.99			V,S,P,M
05/06/98	FMETL	80	44510	ND	6243	ND	5.9	5.31			V,S,P,M
07/09/98	FMETL	278	45500	ND	5650	ND	98.6	6.12			V,S,P,M
10/29/98	FMETL	72.4	43700	ND	5480	ND	ND	6.88			V,S,P,M
02/04/99	FMETL	66.7	44100	ND	5960	ND	18.5	6.18			V,S,P,M
04/23/99	FMETL	62.5	40400	2.15	5830	ND	18.7	5.94			V,S,P,M
04/23/99D	FMETL	66.2	38800	2.38	5820	ND	26.6	5.94			V,S,P,M
07/06/99	FMETL	72.2	40900	2.18	5760	ND	25.3	6.68			V,S,P,M

SOURCE: 00M4MW09

Sampling Dates:
05/06/97 - 07/06/99

NOTES:

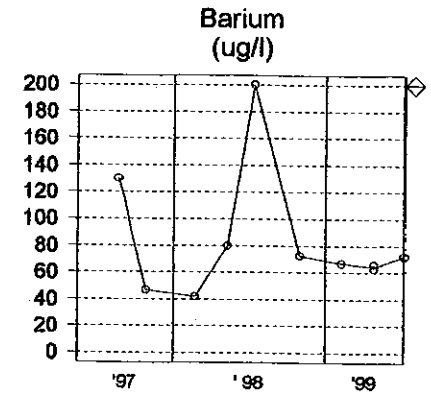
Silver in blank > Criteria in May 97
Page 2 of 2.

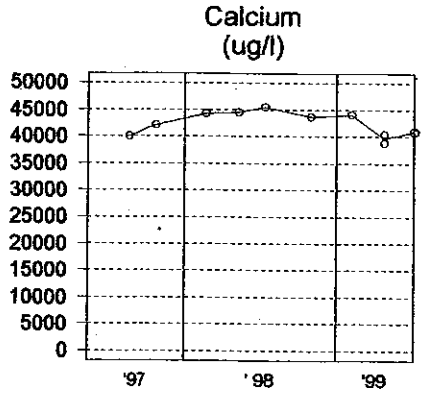
FORT MONMOUTH

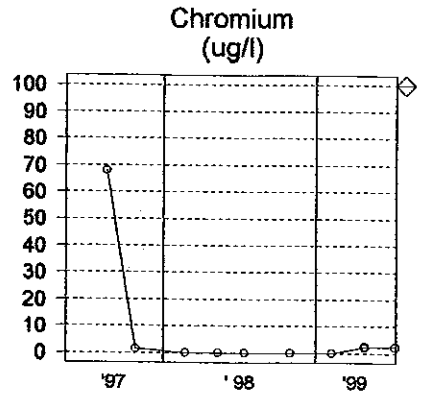
GW MONITORING
Bldg M-4

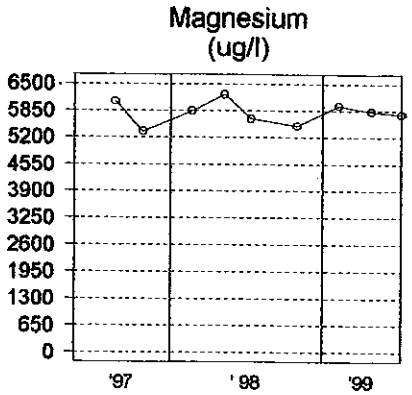
Well 3 of 3

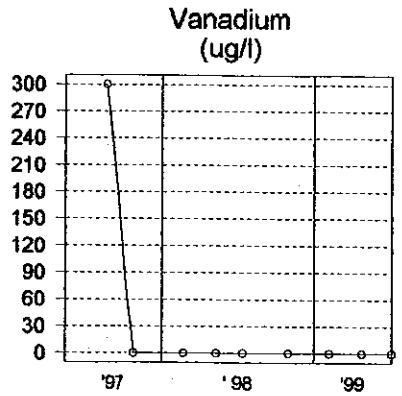
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

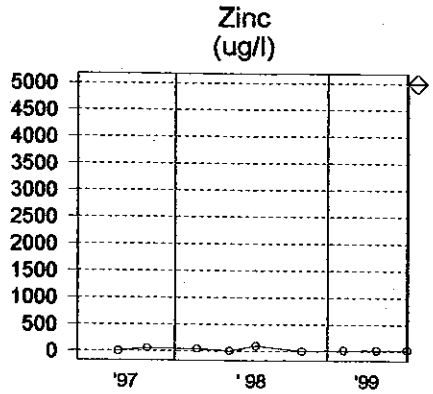


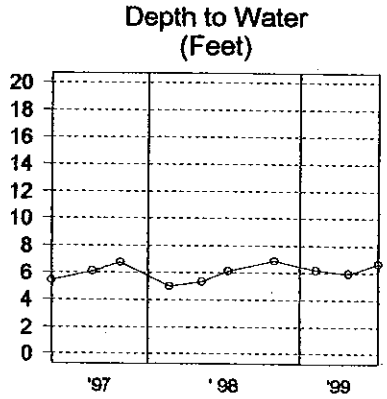












SOURCE: 00M4MW09

Sampling Dates:
05/06/97 - 07/06/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

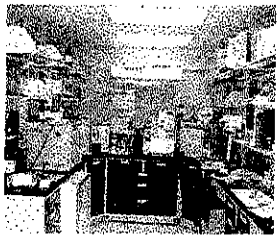
Well 3 of 3, Graph

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

09-03-1999 x:\mtech46\fm\m-4\gw\m4.wsf

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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



ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: M-4

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4841.01	00M4MW07	29-32571	10/05/99
4841.02	00M4MW08	29-32572	10/05/99
4841.03	00M4MW09	29-32573	10/05/99

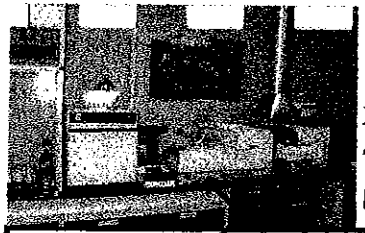
NJDEP Laboratory Certification # 13461

10-21-99
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 #: X26223
(X)DERA ( )OMA ( )Other:

Project No:
Location: M4 wells 4th Qtr '99

Samplers Name / Company: Corey McCormack, TVS

Comments: HCl/HNO3 /<4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOTIS	BNA+25	Pest/PCB	TAL MTLS				Hg Read	Remarks / Preservation Method
4841.01	00M4 MW07	10/5/99	0940	AQ	5	✓	✓	✓	✓				0.0	29-32571
.02	00M4 MW08	↓	1013	↓	5	✓	✓	✓	✓				0.0	29-32572
.03	00M4 MW09	↓	1048	↓	5	✓	✓	✓	✓				0.0	29-32573

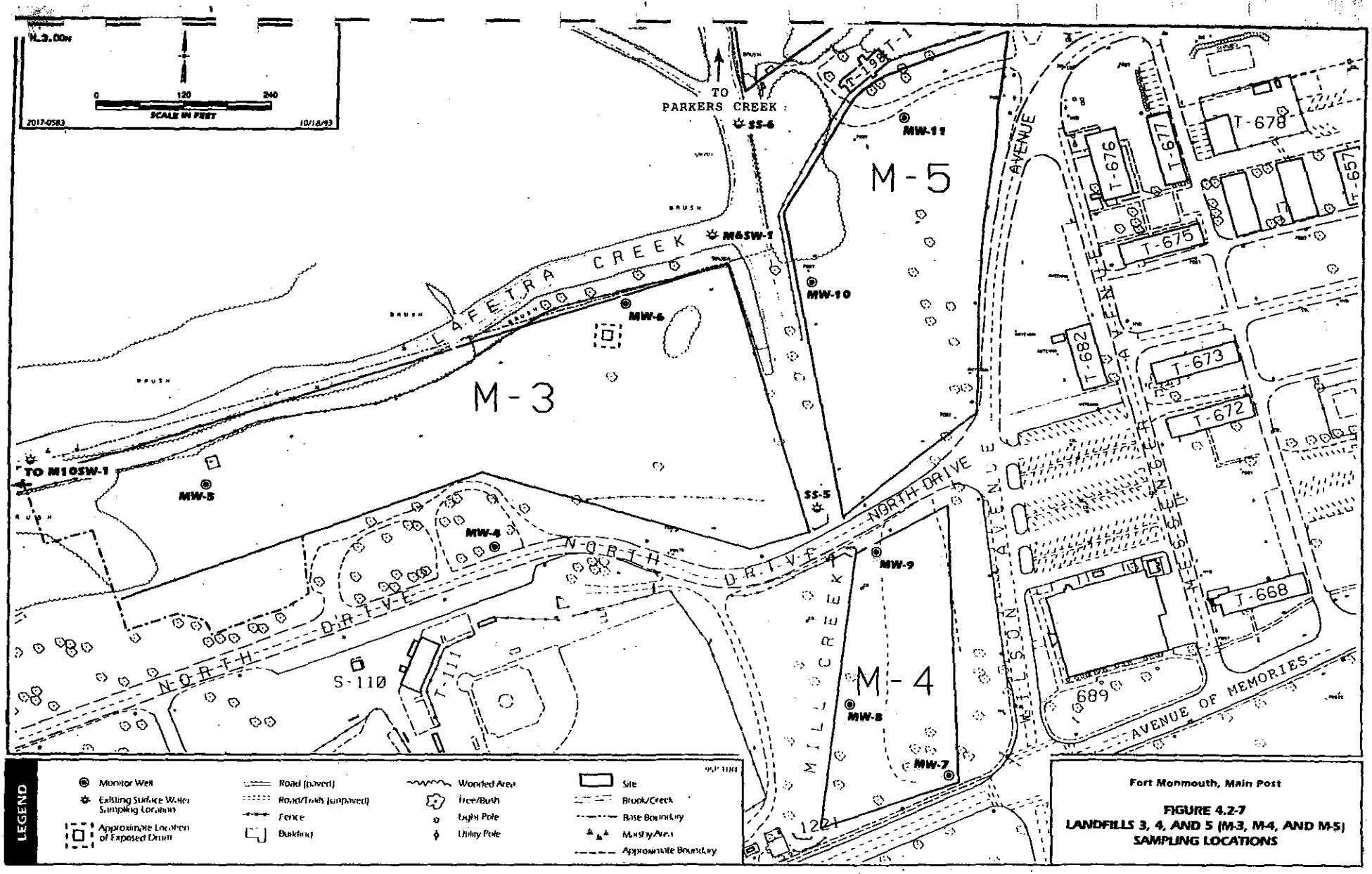
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	10/5/95 1400	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Shuttle trip/FB/Dye from 1122 same day/cpm
Tide: H-70

print legibly

Coc.xls9/30/99



Fort Monmouth, Main Post

FIGURE 4.2-7
LANDFILLS 3, 4, AND 5 (M-3, M-4, AND M-5)
SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW07
NJDEP ID #: 29-32571
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/05/99
WEATHER: Overcast, raining
TIDE: High-Outgong.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 16.75 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.94 ft
DEPTH OF WELL: 17.61 ft
DEPTH TO TOP OF SCREEN: 5.5 ft
HEIGHT OF WATER : 8.67 ft
(8.67) X .65 X 3 = 16.90
GALLONS OF H2O TO BE PURGED: 17 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: 08:26
pH 6.47 su
DISSOLVED O2 6.87 ppm
TEMP 12.3 °C
SPECIFIC CONDUCTIVITY 57 us/cm

PURGE END TIME: 09:40
pH 6.43 su
DISSOLVED O2 5.21 ppm
TEMP 12.2 °C
SPECIFIC CONDUCTIVITY 58 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.21 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 09:41
pH 6.42 su
DISSOLVED O2 5.21 ppm
TEMP 12.2 °C
SPECIFIC CONDUCTIVITY 58 us/cm

SAMPLE END TIME: 09:47

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW08
NJDEP ID #: 29-32572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/05/99
WEATHER: Overcast, raining
TIDE: High-Outgong.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 10.68 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.80 ft
DEPTH OF WELL: 19.90 ft
DEPTH TO TOP OF SCREEN: 4.00 ft
HEIGHT OF WATER : 13.10 ft
(13.10) X .65 X 3 = 25.54
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: 08:20
pH 7.21 su — TEMP 12.4 °C
DISSOLVED O2 6.87 ppm — SPECIFIC CONDUCTIVITY 95 us/cm

PURGE END TIME: 10:13
pH 7.10 su — TEMP 12.2 °C
DISSOLVED O2 5.17 ppm — SPECIFIC CONDUCTIVITY 94 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.29 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 10:14
pH 7.11 su — TEMP 12.2 °C
DISSOLVED O2 5.26 ppm — SPECIFIC CONDUCTIVITY 94 us/cm

SAMPLE END TIME: 10:20

COMMENTS: Roots detected in well.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW09
NJDEP ID #: 29-32573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/05/99
WEATHER: Overcast, raining
TIDE: High-Outgong.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.69 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.71 ft
DEPTH OF WELL: 24.25 ft
DEPTH TO TOP OF SCREEN: 7.00 ft
HEIGHT OF WATER : 18.54 ft
(18.54) X .65 X 3 = 36.153
GALLONS OF H2O TO BE PURGED: 36 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: 08:12
pH 7.23 su
DISSOLVED O2 6.92 ppm
TEMP 12.3 °C
SPECIFIC CONDUCTIVITY 94 us/cm

PURGE END TIME: 10:48
pH 7.20 su
DISSOLVED O2 5.23 ppm
TEMP 12.2 °C
SPECIFIC CONDUCTIVITY 95 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: 36 gal

SAMPLE START TIME: 10:50
pH 7.20 su
DISSOLVED O2 5.19 ppm
TEMP 12.2 °C
SPECIFIC CONDUCTIVITY 94 us/cm

SAMPLE END TIME: 10:55

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	VB004472.D	Sample Name	Vblk137
Operator	Skelton	Field ID	Vblk137
Date Acquired	6 Oct 1999 11:19 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Vblk137

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4841 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk137

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004472.D

Level: (low/med) LOW Date Received: 10/5/99

% Moisture: not dec. Date Analyzed: 10/6/99

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	VB004488.D	Sample Name	4841.01
Operator	Skelton	Field ID	00M4MW07
Date Acquired	6 Oct 1999 10:06 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

10/8/99 1:42 PM

C:\Hpchem\Custrpt\Volatile\624fy99.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

00M4MW07

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4841 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4841.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004488.D

Level: (low/med) LOW Date Received: 10/5/99

% Moisture: not dec. Date Analyzed: 10/6/99

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	VB004489.D	Sample Name	4841.02
Operator	Skelton	Field ID	00M4MW08
Date Acquired	6 Oct 1999 10:45 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

10/8/99 1:42 PM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **00M4MW08**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4841 Location: M4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4841.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004489.D

Level: (low/med) LOW Date Received: 10/5/99

% Moisture: not dec. _____ Date Analyzed: 10/6/99

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	**VB004490.D**	Sample Name	**4841.03**
Operator	**Skelton**	Field ID	**00M4MW09**
Date Acquired	**6 Oct 1999 11:23 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

Lab ID. **00M4MW09**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4841 Location: M4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4841.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004490.D

Level: (low/med) LOW Date Received: 10/5/99

% Moisture: not dec. _____ Date Analyzed: 10/6/99

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	**BN03972.D**	Sample Name	**Sblk309**
Operator	**Bhaskar**	Misc Info	**Sblk309 A 991007**
Date Acquired	**14-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	**BN03972.D**	Sample Name	**Sblk309**
Operator	**Bhaskar**	Misc Info	**Sblk309 A 991007**
Date Acquired	**14-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: **Sblk309**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 4841 Location: M4 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: Sblk309

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN03972.D

Level: (low/med) LOW Date Received: 10/5/99

% Moisture: decanted: (Y/N) N Date Extracted: 10/7/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/14/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	28.11	29	J
2.	unknown	29.27	8	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN03959.D**	Sample Name	**4841.01**
Operator	**Bhaskar**	Misc Info	**00M4MW07**
Date Acquired	**13-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	**BN03959.D**	Sample Name	**4841.01**
Operator	**Bhaskar**	Misc Info	**00M4MW07**
Date Acquired	**13-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: **00M4MW07**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 4841 Location: M4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4841.01

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN03959.D

Level: (low/med) LOW Date Received: 10/5/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/7/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/13/99

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	**BN03975.D**	Sample Name	**4841.02**
Operator	**Bhaskar**	Misc Info	**00M4MW08**
Date Acquired	**14-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	**BN03975.D**	Sample Name	**4841.02**
Operator	**Bhaskar**	Misc Info	**00M4MW08**
Date Acquired	**14-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: **00M4MW08**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 4841 Location: M4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4841.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN03975.D

Level: (low/med) LOW Date Received: 10/5/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/7/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/14/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	28.10	19	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN03976.D**	Sample Name	**4841.03**
Operator	**Bhaskar**	Misc Info	**00M4MW09**
Date Acquired	**14-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	**BN03976.D**	Sample Name	**4841.03**
Operator	**Bhaskar**	Misc Info	**00M4MW09**
Date Acquired	**14-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: **00M4MW09**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 4841 Location: M4 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 4841.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN03976.D

Level: (low/med) LOW Date Received: 10/5/99

% Moisture: decanted: (Y/N) N Date Extracted: 10/7/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/14/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	29.03	5	J

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

Client :	U.S. Army	**Lab. ID # :**	BLK418
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	10/6/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/13/99
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 # :**	4841.01
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/5/99
	Bldg. 173	**Extraction Date:**	10/6/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/13/99
Analysis:	EPA Method 608	**Location :**	M4 Wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW07
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 # :**	4841.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/5/99
	Bldg. 173	**Extraction Date:**	10/6/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/13/99
Analysis:	EPA Method 608	**Location :**	M4 Wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW08
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 # :**	4841.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/5/99
	Bldg. 173	**Extraction Date:**	10/6/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/13/99
Analysis:	EPA Method 608	**Location :**	M4 Wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW09
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 #: 4841
Sample Prepared: 10/13/99

Site: M-4

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	10/13/99	96.5	200	10.0
Antimony	10/13/99	2.93	20	2.0
Arsenic	10/13/99	ND	8	2.0
Barium	10/13/99	ND	2000	0.5
Beryllium	10/13/99	ND	20	0.5
Cadmium	10/13/99	ND	4	0.5
Calcium	10/13/99	233	NLE	20.0
Chromium	10/13/99	3.83	100	0.5
Cobalt	10/13/99	ND	NLE	0.5
Copper	10/13/99	136	1000	3.0
Iron	10/13/99	67.3	300	10.0
Lead	10/13/99	ND	10	2.0
Magnesium	10/13/99	123	NLE	20.0
Manganese	10/13/99	ND	50	0.5
Mercury	10/13/99	ND	2	0.1
Nickel	10/13/99	6.55	100	0.5
Potassium	10/13/99	164	NLE	20.0
Selenium	10/13/99	ND	50	3.0
Silver	10/13/99	ND	20	3.0
Sodium	10/13/99	215	50000	20.0
Thallium	10/13/99	ND	10	3.0
Vanadium	10/13/99	ND	NLE	1.0
Zinc	10/13/99	26.6	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 #: 4841.01
Sample Received: 10/05/99
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW07

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/13/99	527	200	10.0
Antimony	10/13/99	3.27	20	2.0
Arsenic	10/13/99	ND	8	2.0
Barium	10/13/99	52.7	2000	0.5
Beryllium	10/13/99	ND	20	0.5
Cadmium	10/13/99	1.65	4	0.5
Calcium	10/13/99	15800	NLE	20.0
Chromium	10/13/99	3.11	100	0.5
Cobalt	10/13/99	4.65	NLE	0.5
Copper	10/13/99	22.6	1000	3.0
Iron	10/13/99	731	300	10.0
Lead	10/13/99	ND	10	2.0
Magnesium	10/13/99	4980	NLE	20.0
Manganese	10/13/99	55.2	50	0.5
Mercury	10/13/99	ND	2	0.1
Nickel	10/13/99	9.81	100	0.5
Potassium	10/13/99	2040	NLE	20.0
Selenium	10/13/99	ND	50	3.0
Silver	10/13/99	ND	20	3.0
Sodium	10/13/99	20500	50000	20.0
Thallium	10/13/99	ND	10	3.0
Vanadium	10/13/99	ND	NLE	1.0
Zinc	10/13/99	52.6	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 #: 4841.02
Sample Received: 10/05/99
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW08

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/13/99	176	200	10.0
Antimony	10/13/99	ND	20	2.0
Arsenic	10/13/99	ND	8	2.0
Barium	10/13/99	54.9	2000	0.5
Beryllium	10/13/99	ND	20	0.5
Cadmium	10/13/99	1.91	4	0.5
Calcium	10/13/99	42400	NLE	20.0
Chromium	10/13/99	4.16	100	0.5
Cobalt	10/13/99	ND	NLE	0.5
Copper	10/13/99	19.5	1000	3.0
Iron	10/13/99	21800	300	10.0
Lead	10/13/99	ND	10	2.0
Magnesium	10/13/99	6680	NLE	20.0
Manganese	10/13/99	149	50	0.5
Mercury	10/13/99	0.1	2	0.1
Nickel	10/13/99	2.77	100	0.5
Potassium	10/13/99	7250	NLE	20.0
Selenium	10/13/99	ND	50	3.0
Silver	10/13/99	ND	20	3.0
Sodium	10/13/99	13800	50000	20.0
Thallium	10/13/99	ND	10	3.0
Vanadium	10/13/99	ND	NLE	1.0
Zinc	10/13/99	20.2	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 #: 4841.03
Sample Received: 10/05/99
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW09

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/13/99	34.0	200	10.0
Antimony	10/13/99	ND	20	2.0
Arsenic	10/13/99	ND	8	2.0
Barium	10/13/99	58.7	2000	0.5
Beryllium	10/13/99	ND	20	0.5
Cadmium	10/13/99	0.904	4	0.5
Calcium	10/13/99	44200	NLE	20.0
Chromium	10/13/99	2.16	100	0.5
Cobalt	10/13/99	ND	NLE	0.5
Copper	10/13/99	12.6	1000	3.0
Iron	10/13/99	8800	300	10.0
Lead	10/13/99	ND	10	2.0
Magnesium	10/13/99	5640	NLE	20.0
Manganese	10/13/99	47.2	50	0.5
Mercury	10/13/99	ND	2	0.1
Nickel	10/13/99	2.02	100	0.5
Potassium	10/13/99	8360	NLE	20.0
Selenium	10/13/99	ND	50	3.0
Silver	10/13/99	ND	20	3.0
Sodium	10/13/99	7630	50000	20.0
Thallium	10/13/99	ND	10	3.0
Vanadium	10/13/99	ND	NLE	1.0
Zinc	10/13/99	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

	Lab	Aluminum	Iron	Lead	Manganese	Silver	Sodium	Antimony	Barium	Calcium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	200	300	10	50	20	50000	20	200	NLE	-
05/06/97	FMETL	1500	160	ND	90	21	58300	-	-	-	V,S,P,M
08/15/97	FMETL	620	820	ND	81	ND	55150	1.1	100	15440	V,S,P,M
10/24/97	FMETL	559	2491	20	50.3	ND	17860	ND	83.6	9680	V,S,P,M
02/18/98	FMETL	538	163	ND	40.7	ND	27110	ND	32.4	13760	V,S,P,M
05/06/98	FMETL	962	1621	ND	24.9	ND	19310	ND	18.5	8562	V,S,P,M
10/29/98	FMETL	969	3770	7.96	39.7	ND	28500	5.45	28.1	11100	V,S,P,M
10/29/98	FMETL	582	1830	ND	53.6	ND	29300	3.96	94.7	14500	V,S,P,M
02/04/99	FMETL	474	442	ND	39.7	ND	21500	ND	29.5	11000	V,S,P,M
04/23/99	FMETL	606	305	ND	71.2	ND	26400	ND	26.6	12800	V,S,P,M
07/06/99	FMETL	377	554	ND	41.3	ND	39700	ND	44.6	14400	V,S,P,M
10/05/99	FMETL	527	731	ND	55.2	ND	20500	3.27	52.7	15800	V,S,P,M

SOURCE: 00M4MW07

Sampling Dates:
05/06/97 - 10/05/99

NOTES:

Silver in blank > Criteria in May 97

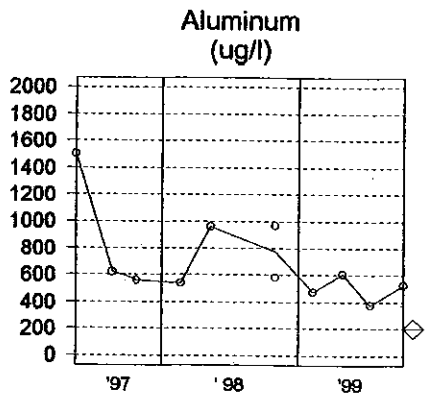
Page 1 of 2.

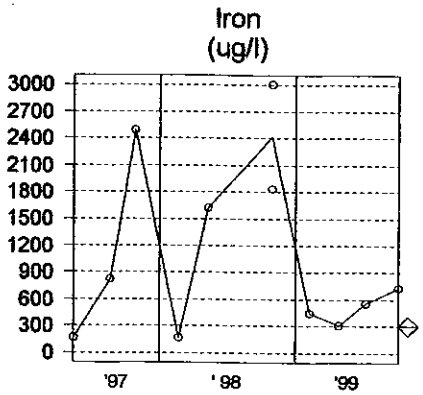
FORT MONMOUTH

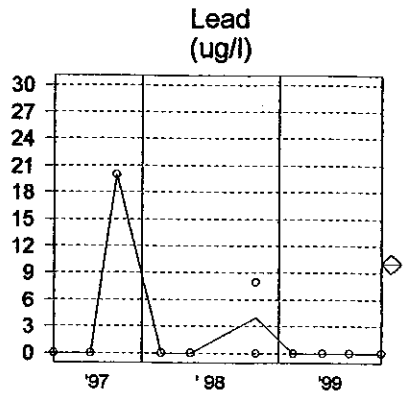
GW MONITORING
Bldg M-4

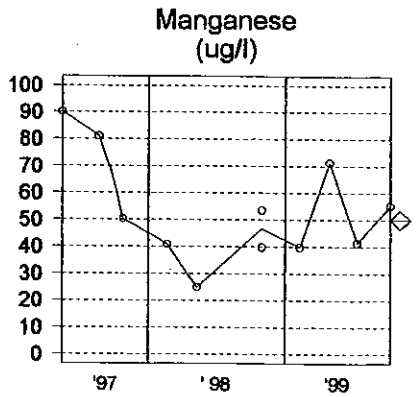
Well 1 of 3

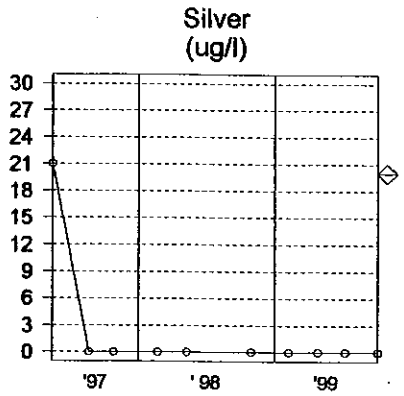
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

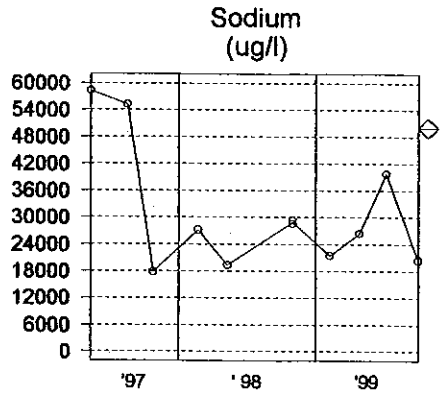


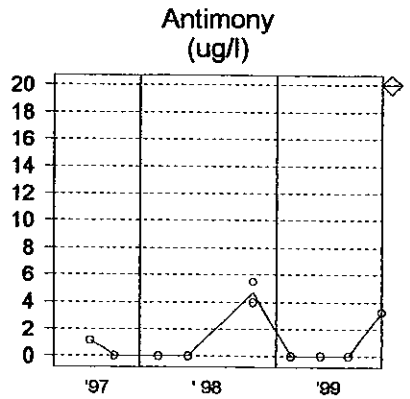


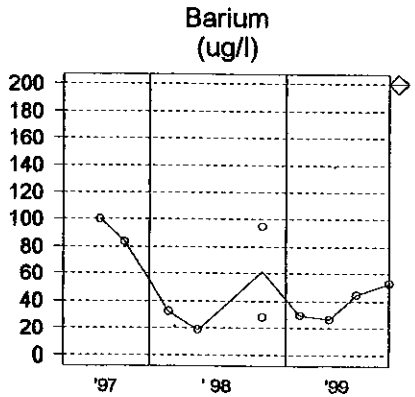


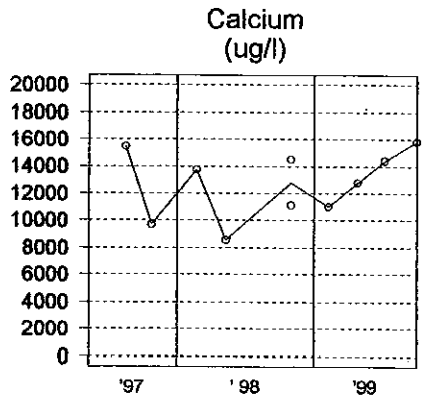












SOURCE: 00M4MW07

Sampling Dates:
05/06/97 - 10/05/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3, Graph

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

10-20-1999 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Chromium	Magnesium	Vanadium	Zinc	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	100	NLE	NLE	5000	-					-
05/06/97	FMETL	-	-	-	-	7.70					V,S,P,M
08/15/97	FMETL	89	7070	300	42	9.15					V,S,P,M
10/24/97	FMETL	1.8	5530	ND	75	9.70					V,S,P,M
02/18/98	FMETL	ND	4070	ND	46	6.40					V,S,P,M
05/06/98	FMETL	1.4	2882	3.2	12.8	6.92					V,S,P,M
10/29/98	FMETL	ND	3230	5.34	66.5	8.63					V,S,P,M
10/29/98	FMETL	1.22	6780	ND	23.7	9.97					V,S,P,M
02/04/99	FMETL	4.28	3540	ND	42.2	7.41					V,S,P,M
04/23/99	FMETL	2.70	3950	ND	35.2	7.86					V,S,P,M
07/06/99	FMETL	2.78	4160	ND	38.3	9.20					V,S,P,M
10/05/99	FMETL	3.11	4980	ND	52.6	8.94					V,S,P,M

SOURCE: 00M4MW07

Sampling Dates:
05/06/97 - 10/05/99

NOTES:

Silver in blank > Criteria in May 97

Page 2 of 2.

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3

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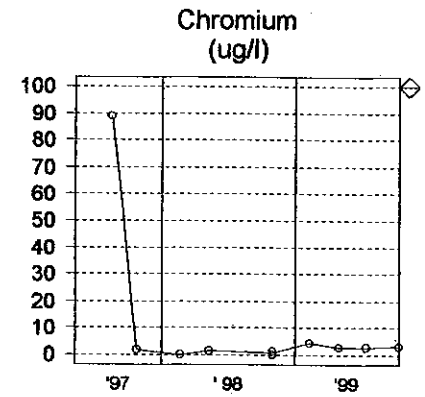
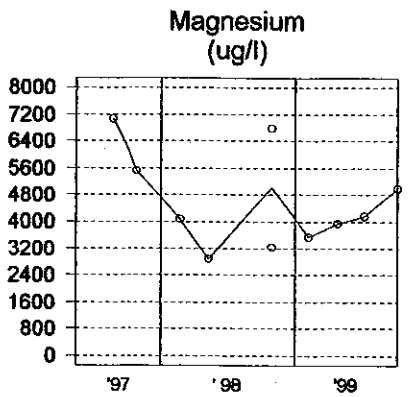
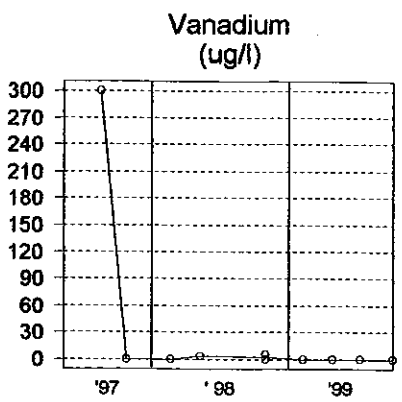
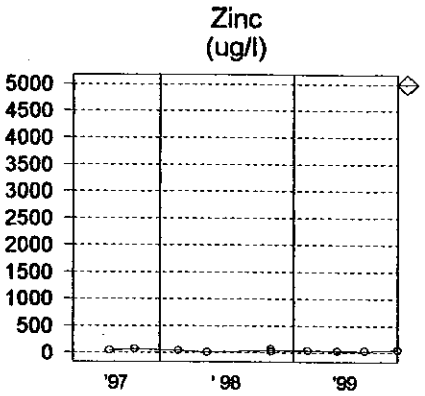
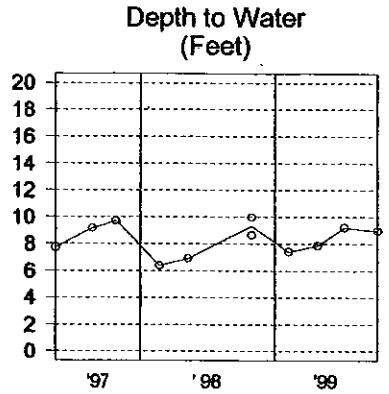
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 00M4MW07

Sampling Dates:
05/06/97 - 10/05/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3, Graph

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

10-20-1999 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Aluminum	Iron	Lead	Manganese	Sodium	Antimony	Barium	Calcium	Chromium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	200	300	10	50	50000	20	200	NLE	100	-
05/06/97	FMETL	35	13900	ND	119	10100	-	-	-	-	V,S,P,M
08/15/97	FMETL	344	13760	ND	125	10750	1.3	70	33340	90	V,S,P,M
10/24/97	FMETL	113	11060	18	107	15360	ND	29.5	35680	1.2	V,S,P,M
02/18/98	FMETL	128	14930	ND	121	11960	ND	36	38960	ND	V,S,P,M
05/06/98	FMETL	203	34950	ND	135	13560	ND	74	38520	ND	V,S,P,M
07/09/98	FMETL	293	24900	2.7	158	8970	4.72	81.1	54000	ND	V,S,P,M
10/29/98	FMETL	15.8	15400	ND	135	19600	5.36	40.9	45500	ND	V,S,P,M
02/04/99	FMETL	942	112000	ND	160	17400	2.92	176	77600	9.36	V,S,P,M
04/23/99	FMETL	3520	393000	8.35	402	17200	7.05	990	54800	22.3	V,S,P,M
07/06/99	FMETL	1020	54200	3.46	152	30400	ND	405	37500	8.89	V,S,P,M
10/05/99	FMETL	176	21800	ND	149	13800	ND	54.9	42400	4.16	V,S,P,M

SOURCE: 00M4MW08

Sampling Dates:
05/06/97 - 10/05/99

NOTES:

Silver in blank > Criteria in May 97

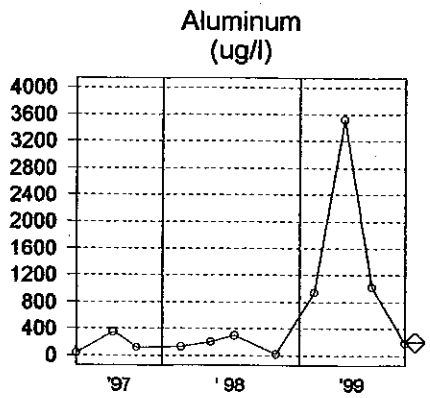
Page 1 of 2.

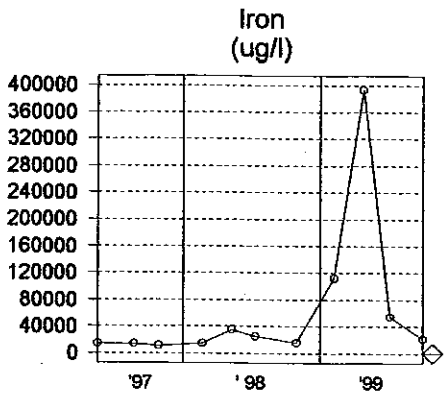
FORT MONMOUTH

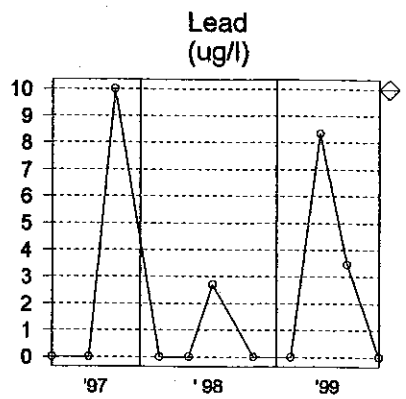
GW MONITORING
Bldg M-4

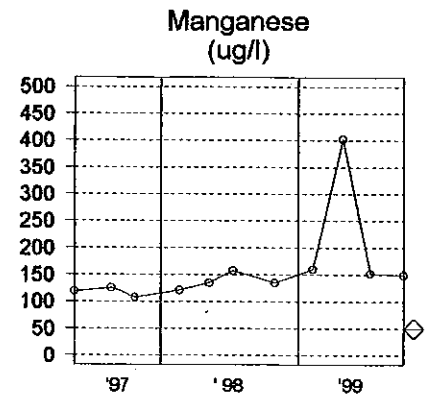
Well 2 of 3

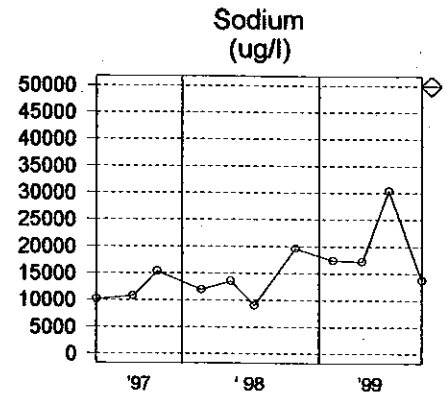
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

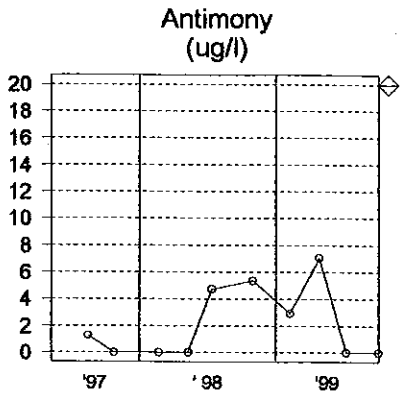


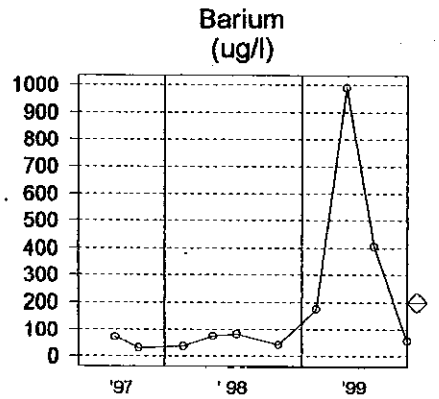


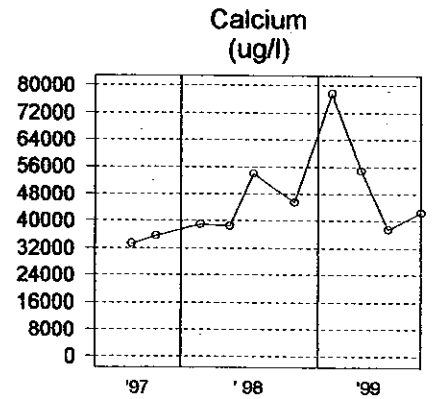


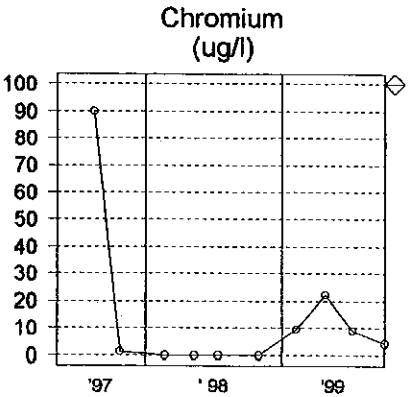












SOURCE: 00M4MW08

Sampling Dates:
05/06/97 - 10/05/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3, Graph

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

10-20-1999 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Magnesium	Vanadium	Zinc	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	NLE	NLE	5000	-						-
05/06/97	FMETL	-	-	-	6.50						V,S,P,M
08/15/97	FMETL	5840	300	ND	6.90						V,S,P,M
10/24/97	FMETL	6120	ND	53	7.60						V,S,P,M
02/18/98	FMETL	5950	ND	12	5.95						V,S,P,M
05/06/98	FMETL	6460	1.5	4.8	6.18						V,S,P,M
07/09/98	FMETL	7590	1.49	66.7	6.76						V,S,P,M
10/29/98	FMETL	8070	ND	ND	7.53						V,S,P,M
02/04/99	FMETL	7600	4.05	87.5	7.08						V,S,P,M
04/23/99	FMETL	7670	11.4	294	7.20						V,S,P,M
07/06/99	FMETL	7650	5.90	109	7.51						V,S,P,M
10/05/99	FMETL	6680	ND	20.2	6.80						V,S,P,M

SOURCE: 00M4MW08

Sampling Dates:
05/06/97 - 10/05/99

NOTES:

Silver in blank > Criteria in May 97

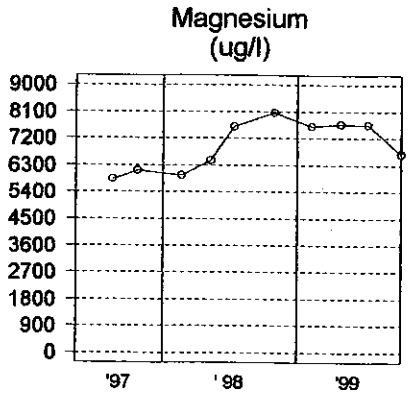
Page 2 of 2.

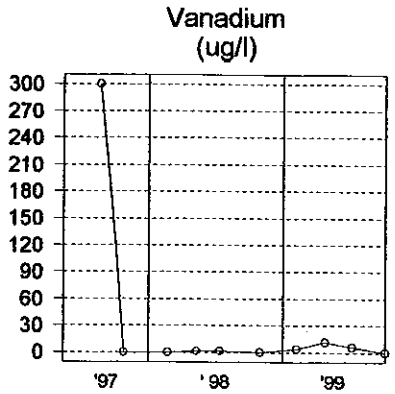
FORT MONMOUTH

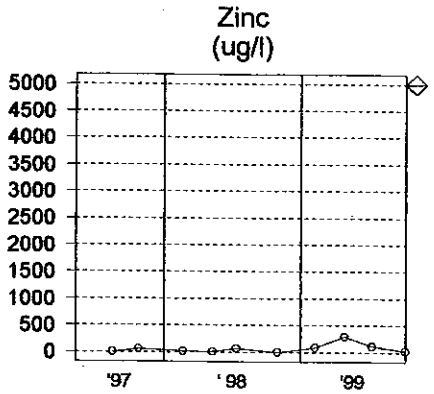
GW MONITORING
Bldg M-4

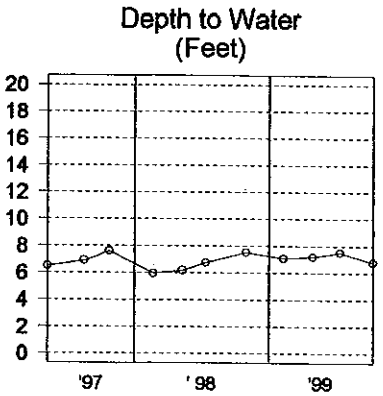
Well 2 of 3

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









SOURCE: 00M4MW08

Sampling Dates:
05/06/97 - 10/05/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3, Graph

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

10-20-1999 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Aluminum	Iron	Lead	Manganese	Sodium	Antimony	Barium	Calcium	Chromium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	200	300	10	50	50000	20	200	NLE	100	-
05/06/97	FMETL	91	37000	ND	68	8300	-	-	-	-	V,S,P,M
08/15/97	FMETL	101.6	7170	ND	64	8270	ND	130	40010	68	V,S,P,M
10/24/97	FMETL	107	14650	9.0	76.5	9800	ND	46.7	42140	1.4	V,S,P,M
02/18/98	FMETL	80	6019	ND	66	8370	ND	42	44320	ND	V,S,P,M
05/06/98	FMETL	ND	19630	ND	90.5	9376	ND	80	44510	ND	V,S,P,M
07/09/98	FMETL	21.2	15500	12.2	58.2	8140	6.52	278	45500	ND	V,S,P,M
10/29/98	FMETL	ND	14000	ND	41.9	8190	6.52	72.4	43700	ND	V,S,P,M
02/04/99	FMETL	ND	13100	ND	114	8170	ND	66.7	44100	ND	V,S,P,M
04/23/99	FMETL	ND	11100	ND	53.7	7480	ND	62.5	40400	2.15	V,S,P,M
04/23/99D	FMETL	ND	12700	ND	72.2	7360	ND	66.2	38800	2.38	V,S,P,M
07/06/99	FMETL	ND	12900	ND	18.2	6040	ND	72.2	40900	2.18	V,S,P,M
10/05/99	FMETL	34.0	8800	ND	47.2	7630	ND	58.7	44200	2.16	V,S,P,M

SOURCE: 00M4MW09

Sampling Dates:
05/06/97 - 10/05/99

NOTES:

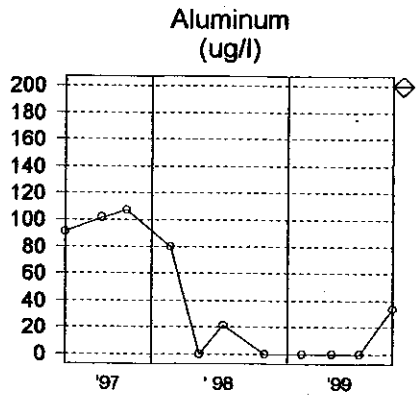
Silver in blank > Criteria in May 97
Page 1 of 2.

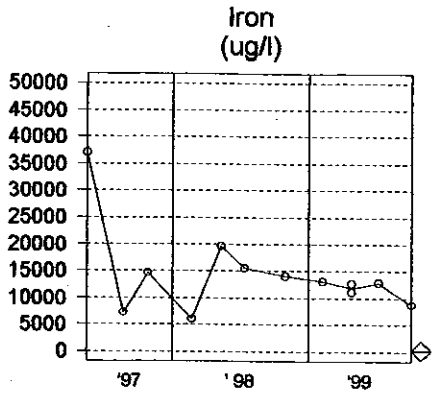
FORT MONMOUTH

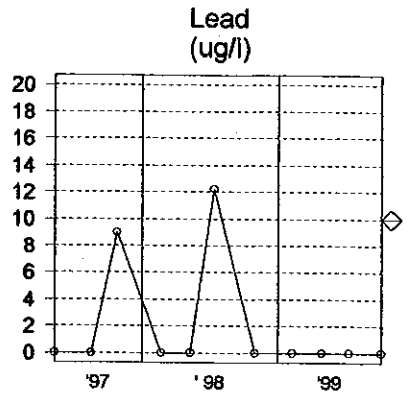
GW MONITORING
Bldg M-4

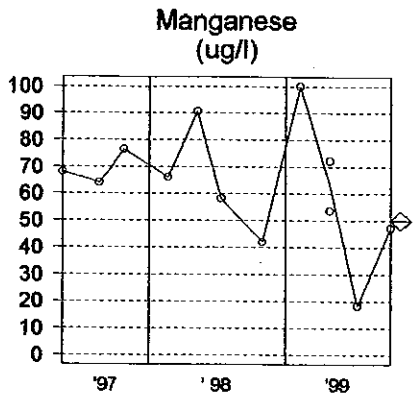
Well 3 of 3

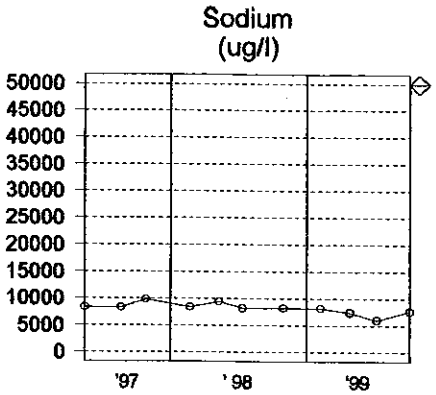
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

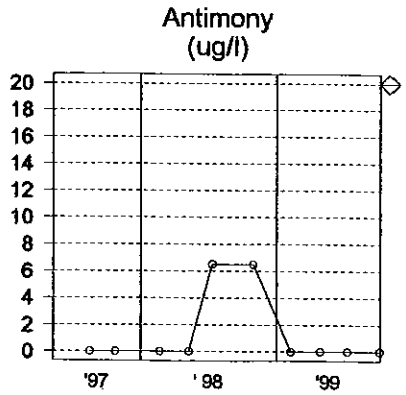


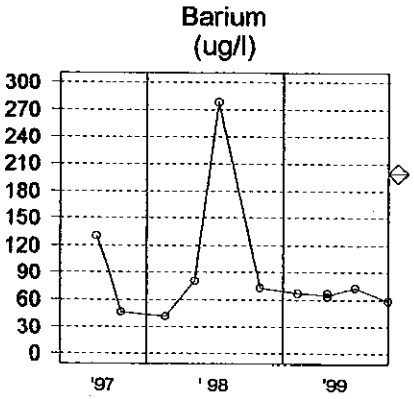


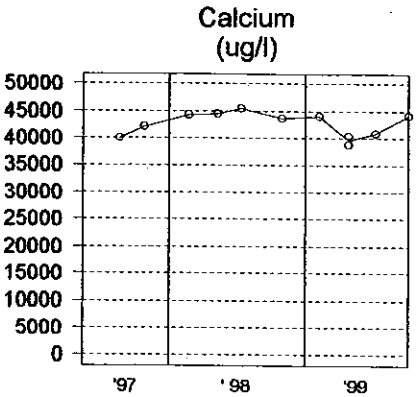


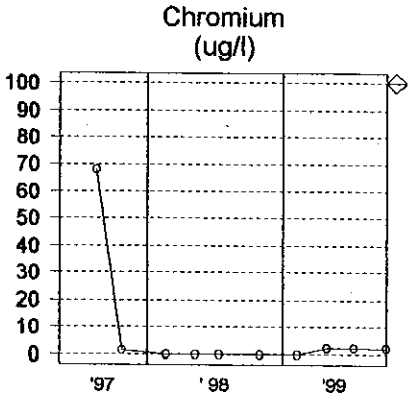












SOURCE: 00M4MW09

Sampling Dates:
05/06/97 - 10/05/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 3, Graph

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

10-20-1999 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Magnesium	Vanadium	Zinc	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	NLE	NLE	5000	-						-
05/06/97	FMETL	-	-	-	5.40						V,S,P,M
08/15/97	FMETL	6070	300	ND	6.10						V,S,P,M
10/24/97	FMETL	5340	ND	52	6.75						V,S,P,M
02/18/98	FMETL	5840	ND	43	4.99						V,S,P,M
05/06/98	FMETL	6243	ND	5.9	5.31						V,S,P,M
07/09/98	FMETL	5650	ND	98.6	6.12						V,S,P,M
10/29/98	FMETL	5480	ND	ND	6.88						V,S,P,M
02/04/99	FMETL	5960	ND	18.5	6.18						V,S,P,M
04/23/99	FMETL	5830	ND	18.7	5.94						V,S,P,M
04/23/99D	FMETL	5820	ND	26.6	5.94						V,S,P,M
07/06/99	FMETL	5760	ND	25.3	6.68						V,S,P,M
10/05/99	FMETL	5640	ND	12.0	5.71						V,S,P,M

SOURCE: 00M4MW09

Sampling Dates:
05/06/97 - 10/05/99

NOTES:

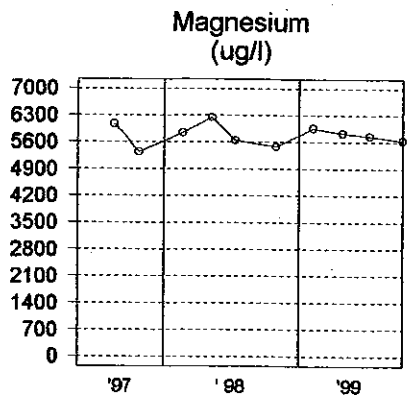
Silver in blank > Criteria in May 97
Page 2 of 2.

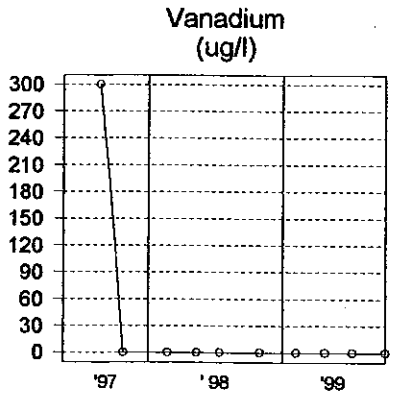
FORT MONMOUTH

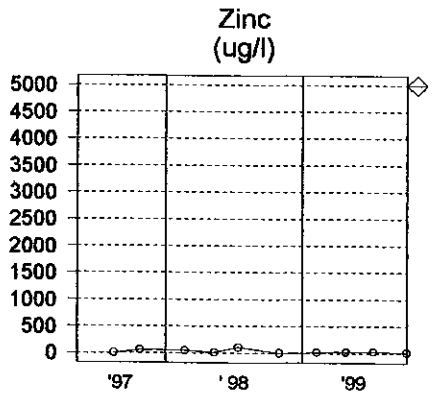
GW MONITORING
Bldg M-4

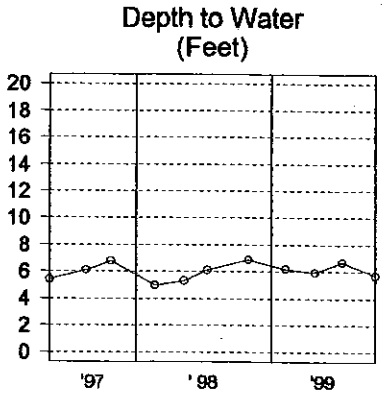
Well 3 of 3

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









SOURCE: 00M4MW09

Sampling Dates:
05/06/97 - 10/05/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

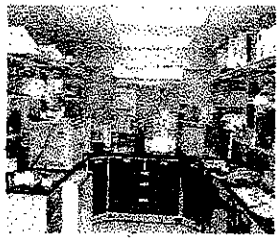
Well 3 of 3, Graph

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

10-20-1999 x:\mtech46\fm\m-4\gw\m4.wsf

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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



ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: M-4

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5088.01	00M4MW07	29-32571	01/11/00
5088.02	00M4MW08	29-32572	01/11/00
5088.03	00M4MW09	29-32573	01/11/00
5088.04	00M4MW10	-	01/11/00

NJDEP Laboratory Certification # 13461

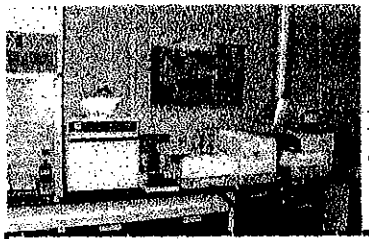
4-6-00

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:

Phone #:

( )DERA ( )OMA ( )Other:_____

Project No:

Location: M4 Landfill MW's 1st Qtr '00

Samplers Name / Company: Corey McCormack, TVS

Comments: HCL/HNO_3/4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOTIS	TAL MTLS	Pest/PCB	BNA+25				Hw Rend	Remarks / Preservation Method
5088 .01	00M4MW07	1/11/00	0939	AQ		✓	✓	✓	✓				0.0	29-32571
.02	00M4 MW08		1002			✓	✓	✓	✓				0.0	29-32572
.03	00M4 MW09		1041			✓	✓	✓	✓				0.0	29-32573
.04	00M4 MW10		1010			✓	✓	✓	✓				0.0	

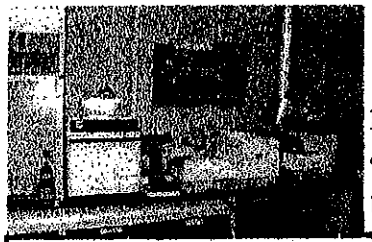
M4 MW10 is a new well
1st sampling event.
cpm

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	1/11/00 1430	[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 3 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks:
Tide: H->O



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:

Phone #:

( )DERA ( )OMA ( )Other:_____

Project No:

Location: 1122 MW's 1st Qtr '00

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VOTs, TAL MTTS, Pest/PCB, BNA+25, [illegible], [illegible], [illegible], Hg, Pend

Comments: HCL/HNO_3/<4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOTs	TAL MTTS	Pest/PCB	BNA+25	[illegible]	[illegible]	[illegible]	Hg, Pend	Remarks / Preservation Method
5087 .01	Trip	1/11/00	0739	AQ	2	✓							—	
.02	Field Blank		1300		5	✓	✓	✓	✓				—	
.03	* 1122 MW01		1332		5	✓	✓	✓	✓				0.0	29-33755
.04	1122 MW02		1326		5	✓	✓	✓	✓				0.0	29-33754
.05	Dupe		—		5	✓	✓	✓	✓				—	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	1/11/00 1430	[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 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: Tide: H→O

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW07
NJDEP ID #: 29-32571
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/11/00
WEATHER: Sunny, cold, light clouds.
TIDE: High-Outgoing.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 16.75 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.15 ft
DEPTH OF WELL: 17.61 ft
DEPTH TO TOP OF SCREEN: 5.5 ft
HEIGHT OF WATER : 9.46 ft
(9.46) X .65 X 3 = 18.44
GALLONS OF H2O TO BE PURGED: 18 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: 08:20
pH 6.93 su
DISSOLVED O2 6.17 ppm
TEMP 13.5 °C
SPECIFIC CONDUCTIVITY 76 us/cm

PURGE END TIME: 09:38
pH 6.94 su
DISSOLVED O2 5.31 ppm
TEMP 13.2 °C
SPECIFIC CONDUCTIVITY 75 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: 18 gal

SAMPLE START TIME: 09:39
pH 6.94 su
DISSOLVED O2 5.28 ppm
TEMP 13.2 °C
SPECIFIC CONDUCTIVITY 74 us/cm

SAMPLE END TIME: 09:41

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW08
NJDEP ID #: 29-32572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/11/00
WEATHER: Sunny, cold, light clouds.
TIDE: High-Outgoing.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 10.68 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.31 ft
DEPTH OF WELL: 19.90 ft
DEPTH TO TOP OF SCREEN: 4.00 ft
HEIGHT OF WATER : 12.59 ft
(12.59) X .65 X 3 = 24.55
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: 08:13
pH 6.87 su
DISSOLVED O2 6.11 ppm
TEMP 13.5 °C
SPECIFIC CONDUCTIVITY 276 us/cm

PURGE END TIME: 10:01
pH 6.89 su
DISSOLVED O2 5.23 ppm
TEMP 13.1 °C
SPECIFIC CONDUCTIVITY 279 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.86 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 10:02
pH 6.91 su
DISSOLVED O2 5.21 ppm
TEMP 13.2 °C
SPECIFIC CONDUCTIVITY 280 us/cm

SAMPLE END TIME: 10:09

COMMENTS: Orange tinge. Cloudy w/particles and roots.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW09
NJDEP ID #: 29-32573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/11/00
WEATHER: Sunny, light cloudy, cold.
TIDE: High-Outgong.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.69 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.15 ft
DEPTH OF WELL: 24.25 ft
DEPTH TO TOP OF SCREEN: 7.00 ft
HEIGHT OF WATER : 18.1 ft
(18.1) X .65 X 3 = 35.29
GALLONS OF H2O TO BE PURGED: 35 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: 08:08
pH 6.97 su
DISSOLVED O2 6.07 ppm
TEMP 13.4 °C
SPECIFIC CONDUCTIVITY 76 us/cm

PURGE END TIME: 10:40
pH 6.95 su
DISSOLVED O2 5.17 ppm
TEMP 13.2 °C
SPECIFIC CONDUCTIVITY 71 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.61 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 35 gal

SAMPLE START TIME: 10:41
pH 6.94 su
DISSOLVED O2 5.16 ppm
TEMP 13.3 °C
SPECIFIC CONDUCTIVITY 74 us/cm

SAMPLE END TIME: 10:47

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW10
NJDEP ID #:
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/11/00
WEATHER: Sunny, light cloudy, cold.
TIDE: High-Outgong.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.61 ft
DEPTH OF WELL: 20.32 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER : 11.71 ft
(11.71) X .65 X 3 = 22.83
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: 08:27
pH 6.95 su
TEMP 13.4 °C
DISSOLVED O2 6.10 ppm
SPECIFIC CONDUCTIVITY 66 us/cm

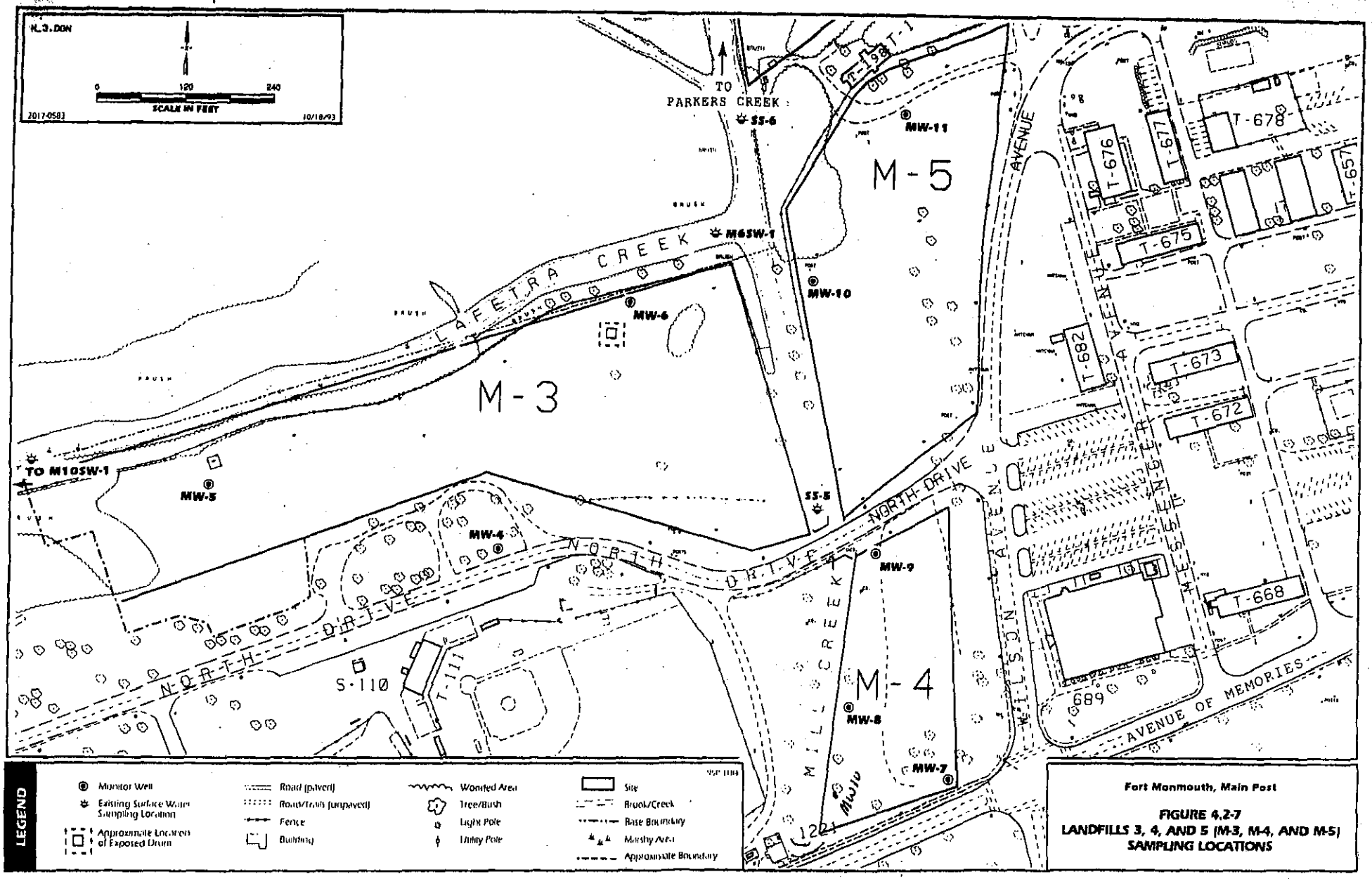
PURGE END TIME: 10:07
pH 6.98 su
TEMP 13.1 °C
DISSOLVED O2 5.41 ppm
SPECIFIC CONDUCTIVITY 66 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.73 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 10:10
pH 6.98 su
TEMP 13.1 °C
DISSOLVED O2 5.43 ppm
SPECIFIC CONDUCTIVITY 66 us/cm

SAMPLE END TIME: 10:17

COMMENTS: New well. 1st sampling.



Fort Monmouth, Main Post

FIGURE 4.2-7
LANDFILLS 3, 4, AND 5 (M-3, M-4, AND M-5) SAMPLING LOCATIONS

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	**VB005479.D**	Sample Name	**Vblk166**
Operator	**Skelton**	Field ID	**Vblk166**
Date Acquired	**14 Jan 2000 7:38 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Vblk166

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5088 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk166

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB005479.D

Level: (low/med) LOW Date Received: 1/11/00

% Moisture: not dec. Date Analyzed: 1/14/00

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	VB005509.D	Sample Name	Vblk167
Operator	Skelton	Field ID	Vblk167
Date Acquired	17 Jan 2000 11:14 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Vblk167

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5087 Location: 1122 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk167

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB005509.D

Level: (low/med) LOW Date Received: 1/11/00

% Moisture: not dec. Date Analyzed: 1/17/00

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	**VB005496.D**	Sample Name	**5087.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**15 Jan 2000 6:53 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.44	127069	2.65 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-9

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5087 Location: 1122 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5087.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB005496.D

Level: (low/med) LOW Date Received: 1/11/00

% Moisture: not dec. _____ Date Analyzed: 1/15/00

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	**VB005497.D**	Sample Name	**5087.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**15 Jan 2000 7:32 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride	11.43	29495	1.18 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	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.44	125899	2.72 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-9

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5087 Location: 1122 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5087.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB005497.D

Level: (low/med) LOW Date Received: 1/11/00

% Moisture: not dec. Date Analyzed: 1/15/00

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	VB005500.D	Sample Name	5088.01s
Operator	Skelton	Field ID	00M4MW07
Date Acquired	15 Jan 2000 9:30 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

00M4MW07

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5088 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5088.01s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB005500.D

Level: (low/med) LOW Date Received: 1/11/00

% Moisture: not dec. Date Analyzed: 1/15/00

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	**VB005501.D**	Sample Name	**5088.02s**
Operator	**Skelton**	Field ID	**00M4MW08**
Date Acquired	**15 Jan 2000 10:09 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

00M4MW08

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5088 Location: M4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5088.02s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB005501.D

Level: (low/med) LOW Date Received: 1/11/00

% Moisture: not dec. _____ Date Analyzed: 1/15/00

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	VB005502.D	Sample Name	5088.03s
Operator	Skelton	Field ID	00M4MW09
Date Acquired	15 Jan 2000 10:48 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	
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **00M4MW09**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5088 Location: M4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5088.03s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB005502.D

Level: (low/med) LOW Date Received: 1/11/00

% Moisture: not dec. _____ Date Analyzed: 1/15/00

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	**VB005503.D**	Sample Name	**5088.04s**
Operator	**Skelton**	Field ID	**00M4MW10**
Date Acquired	**15 Jan 2000 11:27 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	
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

00M4MW10

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5088 Location: M4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5088.04s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB005503.D

Level: (low/med) LOW Date Received: 1/11/00

% Moisture: not dec. _____ Date Analyzed: 1/15/00

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	**BN04157.D**	Sample Name	**Sblk336**
Operator	**Bhaskar**	Misc Info	**Sblk336 A 000112**
Date Acquired	**18-Jan-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	**BN04157.D**	Sample Name	**Sblk336**
Operator	**Bhaskar**	Misc Info	**Sblk336 A 000112**
Date Acquired	**18-Jan-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	23.83	65176	2.31 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: **Sblk336**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5088 Location: M4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: Sblk336

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04157.D

Level: (low/med) LOW Date Received: 1/11/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/12/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/18/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	27.96	55	J
2.	unknown	29.13	23	J
3.	unknown	29.31	9	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04159.D**	Sample Name	**5087.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**18-Jan-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	BN04159.D	Sample Name	5087.02
Operator	Bhaskar	Misc Info	Field Blank
Date Acquired	18-Jan-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	23.82	60654	2.03 ug/L	30	1.74	ug/L	B
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.: 5087 Location: 1122 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 5087.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04159.D

Level: (low/med) LOW Date Received: 1/11/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/12/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/18/00

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	28.82	20	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN04153.D	Sample Name	5088.01
Operator	Bhaskar	Misc Info	00M4MW07
Date Acquired	18-Jan-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
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Data File Name	**BN04153.D**	Sample Name	**5088.01**
Operator	**Bhaskar**	Misc Info	**00M4MW07**
Date Acquired	**18-Jan-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	23.83	139575	4.99 ug/L	30	1.74	ug/L	B
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: **00M4MW07**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5088 Location: M4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 5088.01

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04153.D

Level: (low/med) LOW Date Received: 1/11/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/12/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/18/00

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. 000057-10-3	Hexadecanoic acid	19.53	11	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04154.D**	Sample Name	**5088.02**
Operator	**Bhaskar**	Misc Info	**00M4MW08**
Date Acquired	**18-Jan-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
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Data File Name	BN04154.D	Sample Name	5088.02
Operator	Bhaskar	Misc Info	00M4MW08
Date Acquired	18-Jan-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	23.83	58959	2.20 ug/L	30	1.74	ug/L	B
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: **00M4MW08**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5088 Location: M4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 5088.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04154.D

Level: (low/med) LOW Date Received: 1/11/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/12/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/18/00

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	29.12	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04155.D**	Sample Name	**5088.03**
Operator	**Bhaskar**	Misc Info	**00M4MW09**
Date Acquired	**18-Jan-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	**BN04155.D**	Sample Name	**5088.03**
Operator	**Bhaskar**	Misc Info	**00M4MW09**
Date Acquired	**18-Jan-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: **00M4MW09**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5088 Location: M4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 5088.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04155.D

Level: (low/med) LOW Date Received: 1/11/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/12/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/18/00

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	27.92	13	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04156.D**	Sample Name	**5088.04**
Operator	**Bhaskar**	Misc Info	**00M4MW10**
Date Acquired	**18-Jan-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	BN04156.D	Sample Name	5088.04
Operator	Bhaskar	Misc Info	00M4MW10
Date Acquired	18-Jan-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: **00M4MW10**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5088 Location: M4 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 5088.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04156.D

Level: (low/med) LOW Date Received: 1/11/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/12/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/18/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	26.07	7	J
2.	unknown	28.75	10	J
3.	unknown	29.14	21	J

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

Client :	U.S. Army	**Lab. ID # :**	BLK452
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	1/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/24/00
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 # :**	5087.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/11/00
	Bldg. 173	**Extraction Date:**	1/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/24/00
Analysis:	EPA Method 608	**Location :**	1122MWs
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 # :**	5088.01
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/11/00
	Bldg. 173	**Extraction Date:**	1/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/25/00
Analysis:	EPA Method 608	**Location :**	M4 MWs
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW07
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 # :**	5088.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/11/00
	Bldg. 173	**Extraction Date:**	1/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/25/00
Analysis:	EPA Method 608	**Location :**	M4 MWs
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW08
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 # :**	5088.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/11/00
	Bldg. 173	**Extraction Date:**	1/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/25/00
Analysis:	EPA Method 608	**Location :**	M4 MWs
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW09
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 # :**	5088.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/11/00
	Bldg. 173	**Extraction Date:**	1/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/25/00
Analysis:	EPA Method 608	**Location :**	M4 MWs
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW10
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 #: 5088
Sample Prepared: 03/28/00

Site: M-4

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	01/20/00	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 #: 5087.02
Sample Received: 01/11/00
Sample Matrix: Aqueous

Site: 1122

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	ND	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	21.5	NLE	20.0
Manganese	03/29/00	ND	50	0.5
Mercury	01/20/00	ND	2	0.1
Nickel	03/29/00	ND	100	0.5
Potassium	03/29/00	ND	NLE	20.0
Selenium	03/29/00	ND	50	3.0
Silver	03/29/00	ND	20	3.0
Sodium	03/29/00	368	50000	20.0
Thallium	03/29/00	5.99	10	3.0
Vanadium	03/29/00	ND	NLE	1.0
Zinc	03/29/00	1.89	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 #: 5088.01
Sample Received: 01/11/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW07

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	03/29/00	411	200	10.0
Antimony	03/29/00	ND	20	2.0
Arsenic	03/29/00	ND	8	2.0
Barium	03/29/00	35.0	2000	0.5
Beryllium	03/29/00	ND	20	0.5
Cadmium	03/29/00	0.969	4	0.5
Calcium	03/29/00	12500	NLE	20.0
Chromium	03/29/00	ND	100	0.5
Cobalt	03/29/00	2.77	NLE	0.5
Copper	03/29/00	ND	1000	3.0
Iron	03/29/00	315	300	10.0
Lead	03/29/00	ND	10	2.0
Magnesium	03/29/00	4150	NLE	20.0
Manganese	03/29/00	41.7	50	0.5
Mercury	01/20/00	ND	2	0.1
Nickel	03/29/00	4.57	100	0.5
Potassium	03/29/00	1640	NLE	20.0
Selenium	03/29/00	ND	50	3.0
Silver	03/29/00	ND	20	3.0
Sodium	03/29/00	29600	50000	20.0
Thallium	03/29/00	ND	10	3.0
Vanadium	03/29/00	ND	NLE	1.0
Zinc	03/29/00	49.5	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 #: 5088.02
Sample Received: 01/11/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW08

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	03/29/00	170	200	10.0
Antimony	03/29/00	ND	20	2.0
Arsenic	03/29/00	ND	8	2.0
Barium	03/29/00	173	2000	0.5
Beryllium	03/29/00	ND	20	0.5
Cadmium	03/29/00	ND	4	0.5
Calcium	03/29/00	44300	NLE	20.0
Chromium	03/29/00	2.77	100	0.5
Cobalt	03/29/00	ND	NLE	0.5
Copper	03/29/00	ND	1000	3.0
Iron	03/29/00	49400	300	10.0
Lead	03/29/00	ND	10	2.0
Magnesium	03/29/00	7160	NLE	20.0
Manganese	03/29/00	167	50	0.5
Mercury	01/20/00	ND	2	0.1
Nickel	03/29/00	ND	100	0.5
Potassium	03/29/00	6320	NLE	20.0
Selenium	03/29/00	ND	50	3.0
Silver	03/29/00	ND	20	3.0
Sodium	03/29/00	15000	50000	20.0
Thallium	03/29/00	ND	10	3.0
Vanadium	03/29/00	1.54	NLE	1.0
Zinc	03/29/00	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 #: 5088.03
Sample Received: 01/11/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW09

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	49.0	2000	0.5
Beryllium	03/29/00	ND	20	0.5
Cadmium	03/29/00	ND	4	0.5
Calcium	03/29/00	40900	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	9480	300	10.0
Lead	03/29/00	ND	10	2.0
Magnesium	03/29/00	5810	NLE	20.0
Manganese	03/29/00	53.7	50	0.5
Mercury	01/20/00	ND	2	0.1
Nickel	03/29/00	ND	100	0.5
Potassium	03/29/00	7180	NLE	20.0
Selenium	03/29/00	ND	50	3.0
Silver	03/29/00	ND	20	3.0
Sodium	03/29/00	7630	50000	20.0
Thallium	03/29/00	ND	10	3.0
Vanadium	03/29/00	ND	NLE	1.0
Zinc	03/29/00	14.6	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 #: 5088.04
Sample Received: 01/11/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW10

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	03/29/00	79.0	200	10.0
Antimony	03/29/00	ND	20	2.0
Arsenic	03/29/00	ND	8	2.0
Barium	03/29/00	109	2000	0.5
Beryllium	03/29/00	ND	20	0.5
Cadmium	03/29/00	ND	4	0.5
Calcium	03/29/00	29400	NLE	20.0
Chromium	03/29/00	ND	100	0.5
Cobalt	03/29/00	1.89	NLE	0.5
Copper	03/29/00	25.6	1000	3.0
Iron	03/29/00	29500	300	10.0
Lead	03/29/00	ND	10	2.0
Magnesium	03/29/00	3570	NLE	20.0
Manganese	03/29/00	113	50	0.5
Mercury	01/20/00	0.2	2	0.1
Nickel	03/29/00	931	100	0.5
Potassium	03/29/00	7430	NLE	20.0
Selenium	03/29/00	ND	50	3.0
Silver	03/29/00	ND	20	3.0
Sodium	03/29/00	9650	50000	20.0
Thallium	03/29/00	ND	10	3.0
Vanadium	03/29/00	ND	NLE	1.0
Zinc	03/29/00	74.7	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

	Lab	Acetone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Silver	Sodium	Antimony	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	900	200	300	10	50	20	50000	20	-
05/06/1997	FMETL	ND	5.96	1500	160	ND	90	21	58300	-	V,S,P,M
08/15/1997	FMETL	ND	61	620	820	ND	81	ND	55150	1.1	V,S,P,M
10/24/1997	FMETL	ND	2.28	559	2491	20	50.3	ND	17860	ND	V,S,P,M
02/18/1998	FMETL	ND	8.18	538	163	ND	40.7	ND	27110	ND	V,S,P,M
05/06/1998	FMETL	ND	ND	962	1621	ND	24.9	ND	19310	ND	V,S,P,M
10/29/1998	FMETL	ND	ND	969	3770	7.96	39.7	ND	28500	5.45	V,S,P,M
10/29/1998	FMETL	8.46	ND	582	1830	ND	53.6	ND	29300	3.96	V,S,P,M
02/04/1999	FMETL	ND	ND	474	442	ND	39.7	ND	21500	ND	V,S,P,M
04/23/1999	FMETL	7.39	ND	606	305	ND	71.2	ND	26400	ND	V,S,P,M
07/06/1999	FMETL	ND	ND	377	554	ND	41.3	ND	39700	ND	V,S,P,M
10/05/1999	FMETL	ND	ND	527	731	ND	55.2	ND	20500	3.27	V,S,P,M
01/11/2000	FMETL	ND	ND	411	315	ND	41.7	ND	29600	ND	V,S,P,M

SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 01/11/2000

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FORT MONMOUTH

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Bldg M-4

Well 1 of 3

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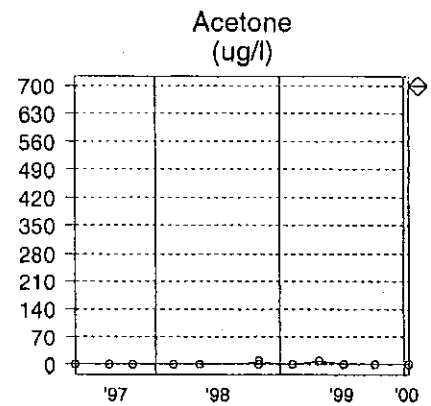
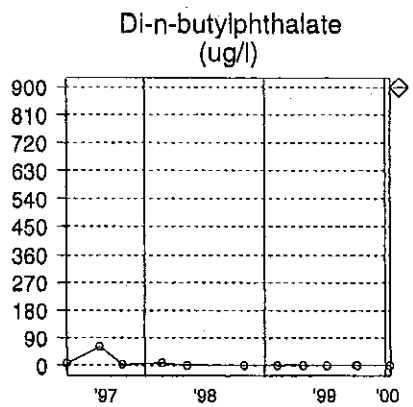
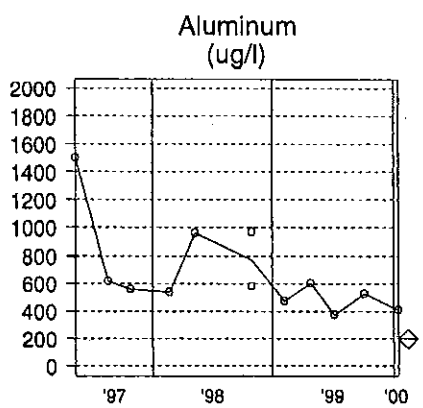
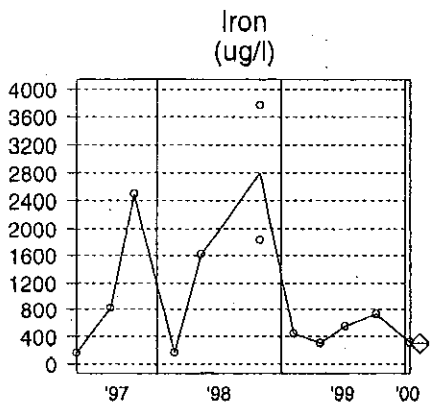
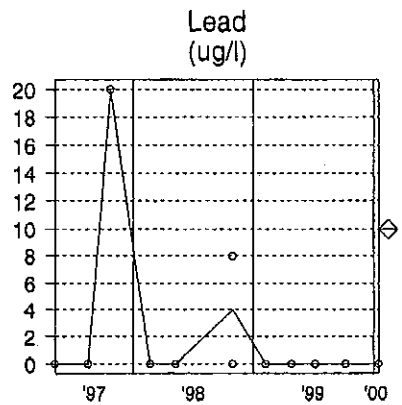
FORT MONMOUTH
SELFM-PW-EV

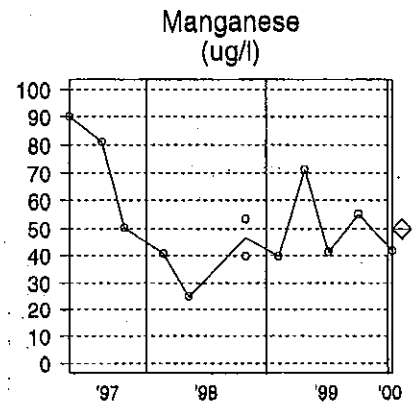


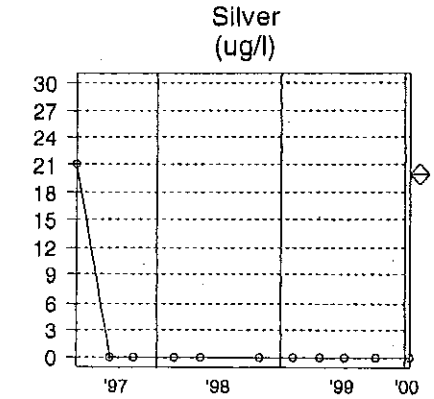


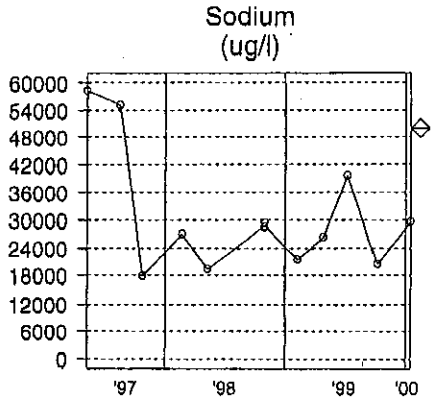


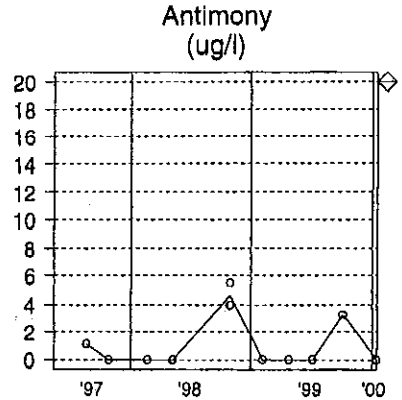












SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 01/11/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3, Graph

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

04-03-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	NLE	100	NLE	NLE	5000	-			-
05/06/1997	FMETL	-	-	-	-	-	-	7.70			V,S,P,M
08/15/1997	FMETL	100	15440	89	7070	300	42	9.15			V,S,P,M
10/24/1997	FMETL	83.6	9680	1.8	5530	ND	75	9.70			V,S,P,M
02/18/1998	FMETL	32.4	13760	ND	4070	ND	46	6.40			V,S,P,M
05/06/1998	FMETL	18.5	8562	1.4	2882	3.2	12.8	6.92			V,S,P,M
10/29/1998	FMETL	28.1	11100	ND	3230	5.34	66.5	8.63			V,S,P,M
10/29/1998	FMETL	94.7	14500	1.22	6780	ND	23.7	9.97			V,S,P,M
02/04/1999	FMETL	29.5	11000	4.28	3540	ND	42.2	7.41			V,S,P,M
04/23/1999	FMETL	26.6	12800	2.70	3950	ND	35.2	7.86			V,S,P,M
07/06/1999	FMETL	44.6	14400	2.78	4160	ND	38.3	9.20			V,S,P,M
10/05/1999	FMETL	52.7	15800	3.11	4980	ND	52.6	8.94			V,S,P,M
01/11/2000	FMETL	35	12500	ND	4150	ND	49.5	8.15			V,S,P,M

SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 01/11/2000

NOTES:

Silver in blank > Criteria in May 97

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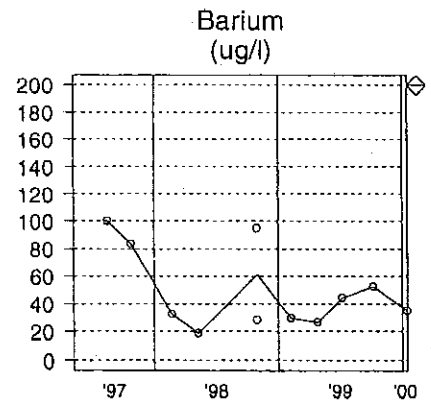
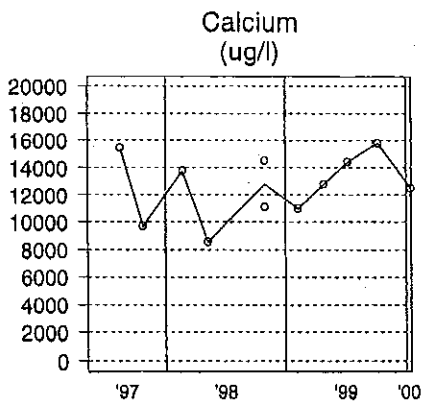
FORT MONMOUTH

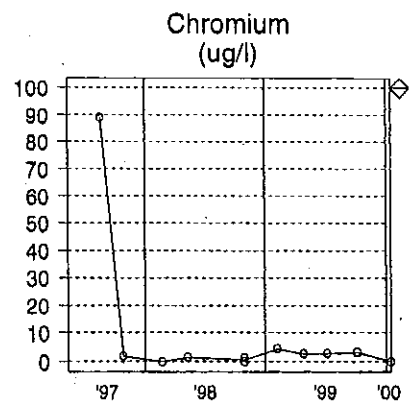
GW MONITORING
Bldg M-4

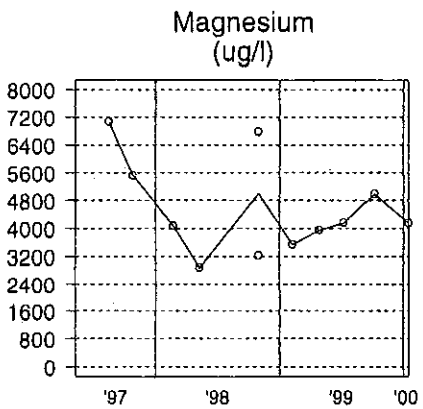
Well 1 of 3

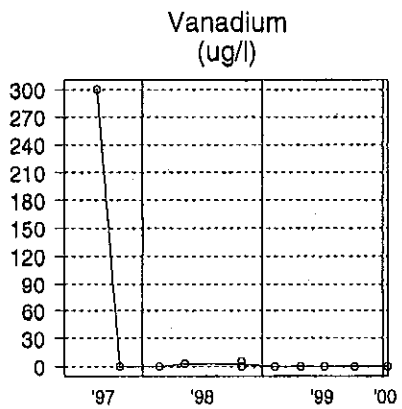
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

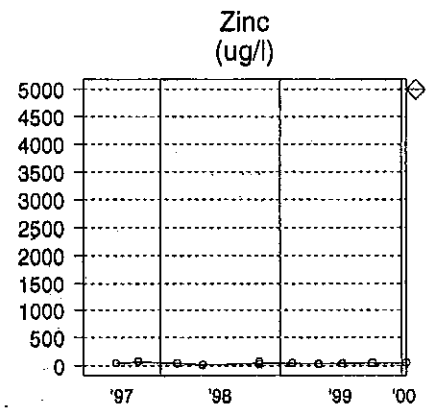


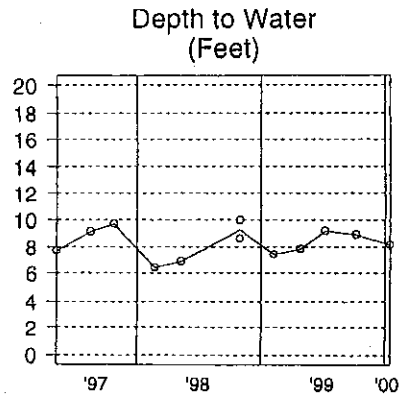












SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 01/11/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 3, Graph

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

04-03-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Acetone	2-But anone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	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	900	200	300	10	50	50000	20	-
05/06/1997	FMETL	ND	ND	11.67	35	13900	ND	119	10100	-	V,S,P,M
08/15/1997	FMETL	ND	ND	56	344	13760	ND	125	10750	1.3	V,S,P,M
10/24/1997	FMETL	ND	ND	ND	113	11060	18	107	15360	ND	V,S,P,M
02/18/1998	FMETL	ND	ND	10.8	128	14930	ND	121	11960	ND	V,S,P,M
05/06/1998	FMETL	ND	ND	ND	203	34950	ND	135	13560	ND	V,S,P,M
07/09/1998	FMETL	ND	ND	ND	293	24900	2.7	158	8970	4.72	V,S,P,M
10/29/1998	FMETL	13.01	ND	ND	15.8	15400	ND	135	19600	5.36	V,S,P,M
02/04/1999	FMETL	ND	ND	ND	942	112000	ND	160	17400	2.92	V,S,P,M
04/23/1999	FMETL	8.64	ND	1.20	3520	393000	8.35	402	17200	7.05	V,S,P,M
07/06/1999	FMETL	ND	4.20	ND	1020	54200	3.46	152	30400	ND	V,S,P,M
10/05/1999	FMETL	ND	ND	ND	176	21800	ND	149	13800	ND	V,S,P,M
01/11/2000	FMETL	ND	ND	ND	170	49400	ND	167	15000	ND	V,S,P,M

SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 01/11/2000

NOTES:

Silver in blank > Criteria in May 97

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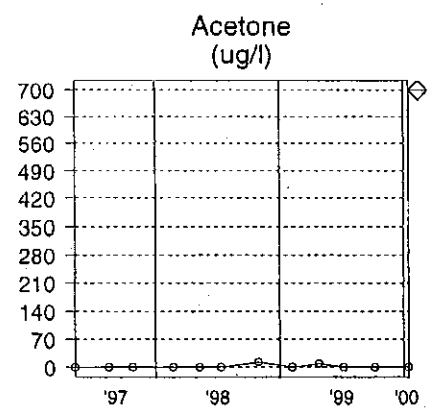
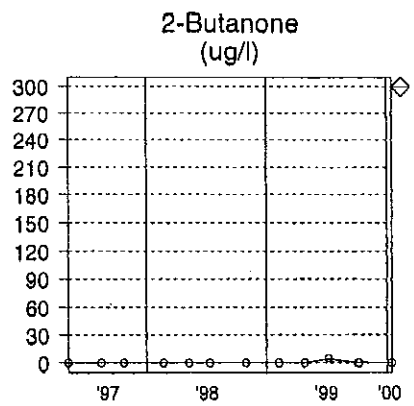
FORT MONMOUTH

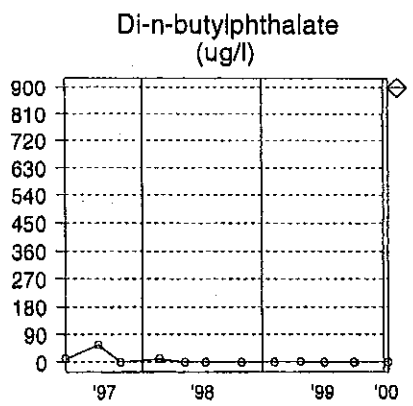
GW MONITORING
Bldg M-4

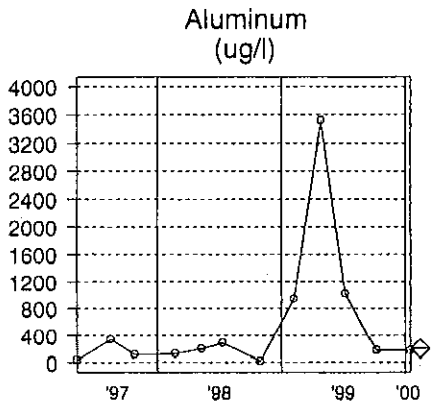
Well 2 of 3

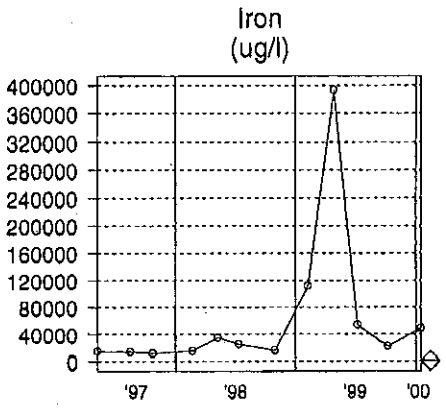
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

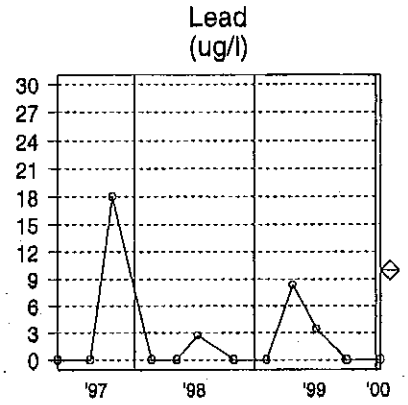


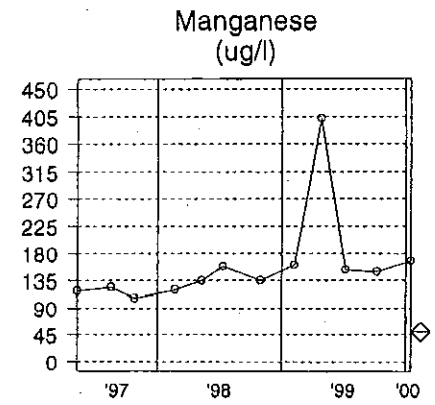


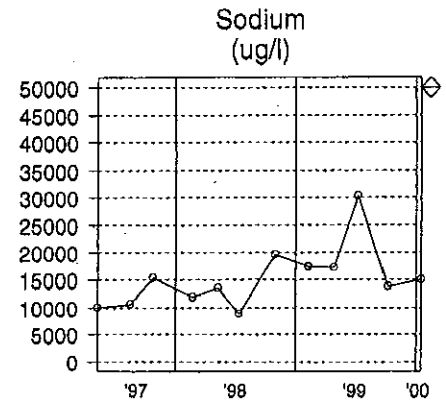


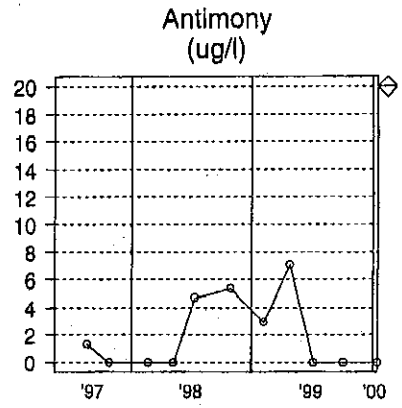












SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 01/11/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3, Graph

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

04-03-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	NLE	100	NLE	NLE	5000	-			-
05/06/1997	FMETL	-	-	-	-	-	-	6.50			V,S,P,M
08/15/1997	FMETL	70	33340	90	5840	300	ND	6.90			V,S,P,M
10/24/1997	FMETL	29.5	35680	1.2	6120	ND	53	7.60			V,S,P,M
02/18/1998	FMETL	36	38960	ND	5950	ND	12	5.95			V,S,P,M
05/06/1998	FMETL	74	38520	ND	6460	1.5	4.8	6.18			V,S,P,M
07/09/1998	FMETL	81.1	54000	ND	7590	1.49	66.7	6.76			V,S,P,M
10/29/1998	FMETL	40.9	45500	ND	8070	ND	ND	7.53			V,S,P,M
02/04/1999	FMETL	176	77600	9.36	7600	4.05	87.5	7.08			V,S,P,M
04/23/1999	FMETL	990	54800	22.3	7670	11.4	294	7.20			V,S,P,M
07/06/1999	FMETL	405	37500	8.89	7650	5.90	109	7.51			V,S,P,M
10/05/1999	FMETL	54.9	42400	4.16	6680	ND	20.2	6.80			V,S,P,M
01/11/2000	FMETL	173	44300	2.77	7160	1.54	42.1	7.31			V,S,P,M

SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 01/11/2000

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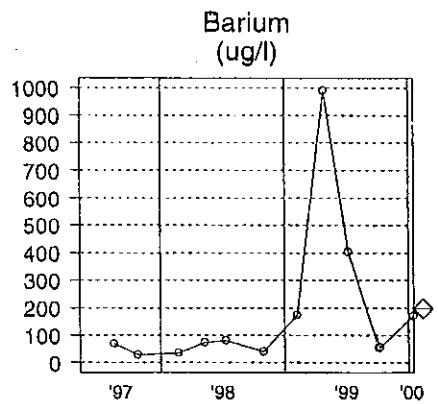
Page 2 of 2.

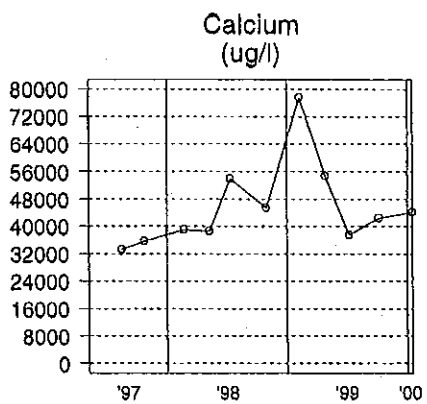
FORT MONMOUTH

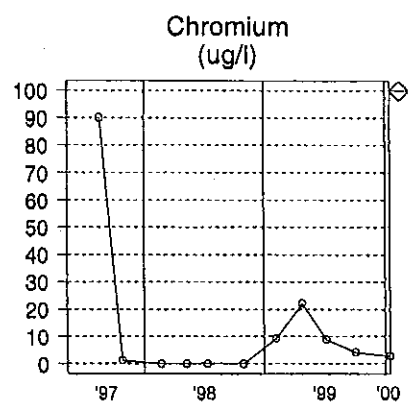
GW MONITORING
Bldg M-4

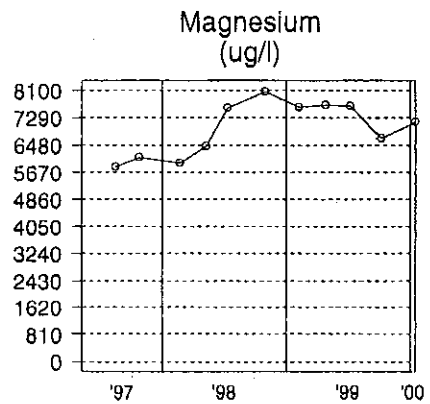
Well 2 of 3

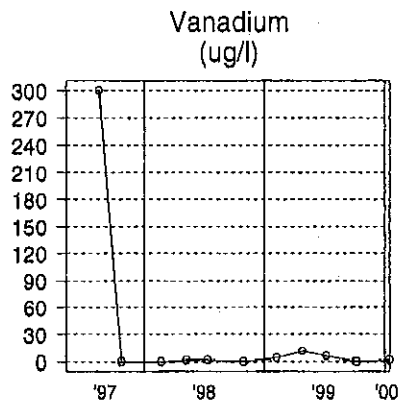
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

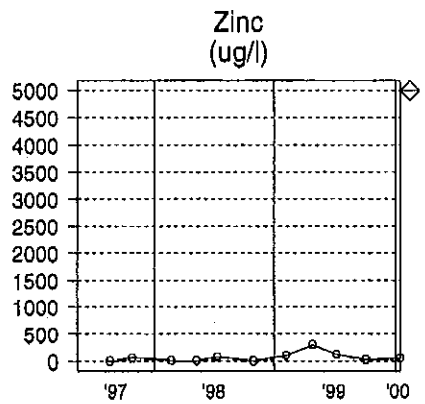


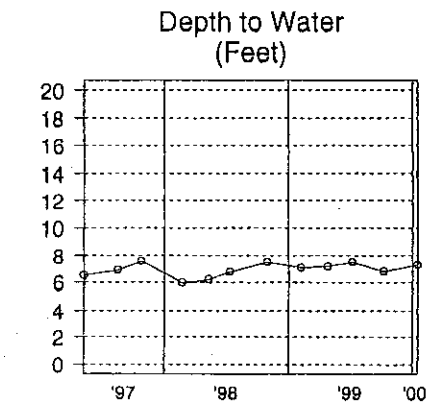












SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 01/11/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 3, Graph

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

04-03-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Acetone	2-But anone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	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	900	200	300	10	50	50000	20	-
05/06/1997	FMETL	ND	ND	3.04	91	37000	ND	68	8300	-	V,S,P,M
08/15/1997	FMETL	ND	ND	50.5	101.6	7170	ND	64	8270	ND	V,S,P,M
10/24/1997	FMETL	ND	ND	11.1	107	14650	9.0	76.5	9800	ND	V,S,P,M
02/18/1998	FMETL	ND	ND	5.14	80	6019	ND	66	8370	ND	V,S,P,M
05/06/1998	FMETL	ND	ND	ND	ND	19630	ND	90.5	9376	ND	V,S,P,M
07/09/1998	FMETL	ND	ND	ND	21.2	15500	12.2	58.2	8140	6.52	V,S,P,M
10/29/1998	FMETL	16.17	5.72	ND	ND	14000	ND	41.9	8190	6.52	V,S,P,M
02/04/1999	FMETL	ND	ND	ND	ND	13100	ND	114	8170	ND	V,S,P,M
04/23/1999	FMETL	7.59	ND	ND	ND	11100	ND	53.7	7480	ND	V,S,P,M
04/23/1999D	FMETL	8.87	ND	ND	ND	12700	ND	72.2	7360	ND	V,S,P,M
07/06/1999	FMETL	5.92	6.32	ND	ND	12900	ND	18.2	6040	ND	V,S,P,M
10/05/1999	FMETL	ND	ND	ND	34.0	8800	ND	47.2	7630	ND	V,S,P,M
01/11/2000	FMETL	ND	ND	ND	ND	9480	ND	53.7	7630	ND	V,S,P,M

SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 01/11/2000

NOTES:

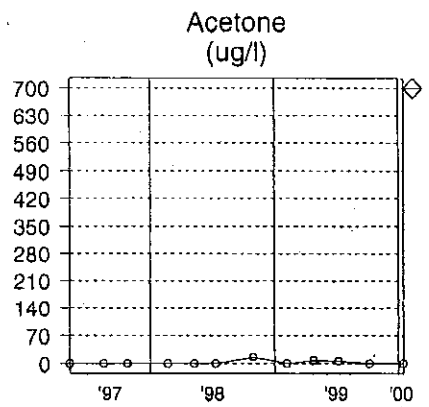
Silver in blank > Criteria in May 97
Page 1 of 2.

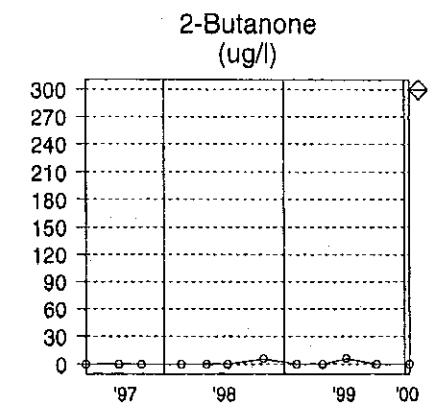
FORT MONMOUTH

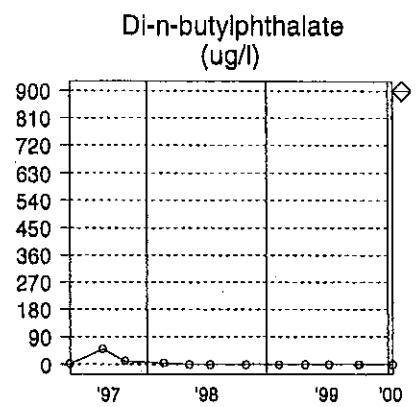
GW MONITORING
Bldg M-4

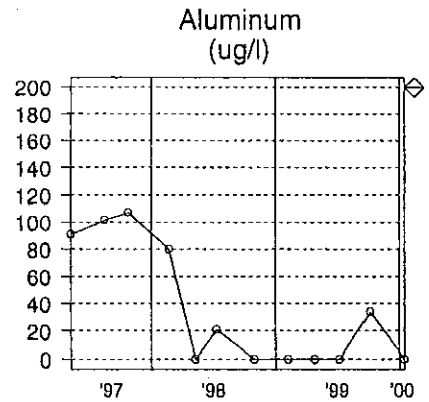
Well 3 of 3

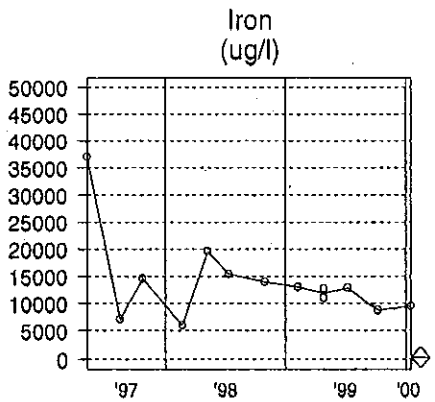
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

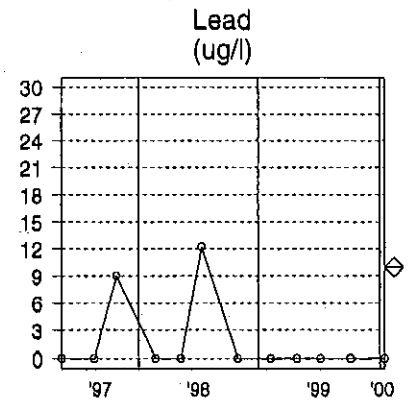


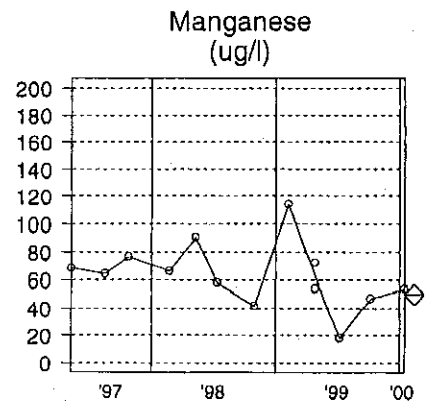


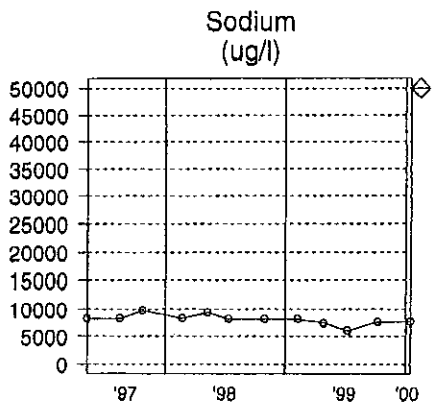


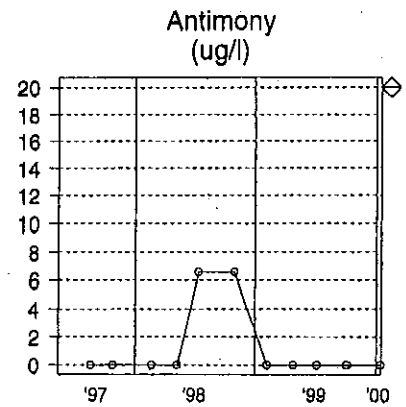












SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 01/11/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 3, Graph

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

04-03-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Barium	Calcium	Chromium	Magnesium	Zinc	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	NLE	100	NLE	5000	-				-
05/06/1997	FMETL	-	-	-	-	-	5.40				V,S,P,M
08/15/1997	FMETL	130	40010	68	6070	ND	6.10				V,S,P,M
10/24/1997	FMETL	46.7	42140	1.4	5340	52	6.75				V,S,P,M
02/18/1998	FMETL	42	44320	ND	5840	43	4.99				V,S,P,M
05/06/1998	FMETL	80	44510	ND	6243	5.9	5.31				V,S,P,M
07/09/1998	FMETL	278	45500	ND	5650	98.6	6.12				V,S,P,M
10/29/1998	FMETL	72.4	43700	ND	5480	ND	6.88				V,S,P,M
02/04/1999	FMETL	66.7	44100	ND	5960	18.5	6.18				V,S,P,M
04/23/1999	FMETL	62.5	40400	2.15	5830	18.7	5.94				V,S,P,M
04/23/1999D	FMETL	66.2	38800	2.38	5820	26.6	5.94				V,S,P,M
07/06/1999	FMETL	72.2	40900	2.18	5760	25.3	6.68				V,S,P,M
10/05/1999	FMETL	58.7	44200	2.16	5640	12.0	5.71				V,S,P,M
01/11/2000	FMETL	49	40900	ND	5810	14.6	6.15				V,S,P,M

SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 01/11/2000

NOTES:

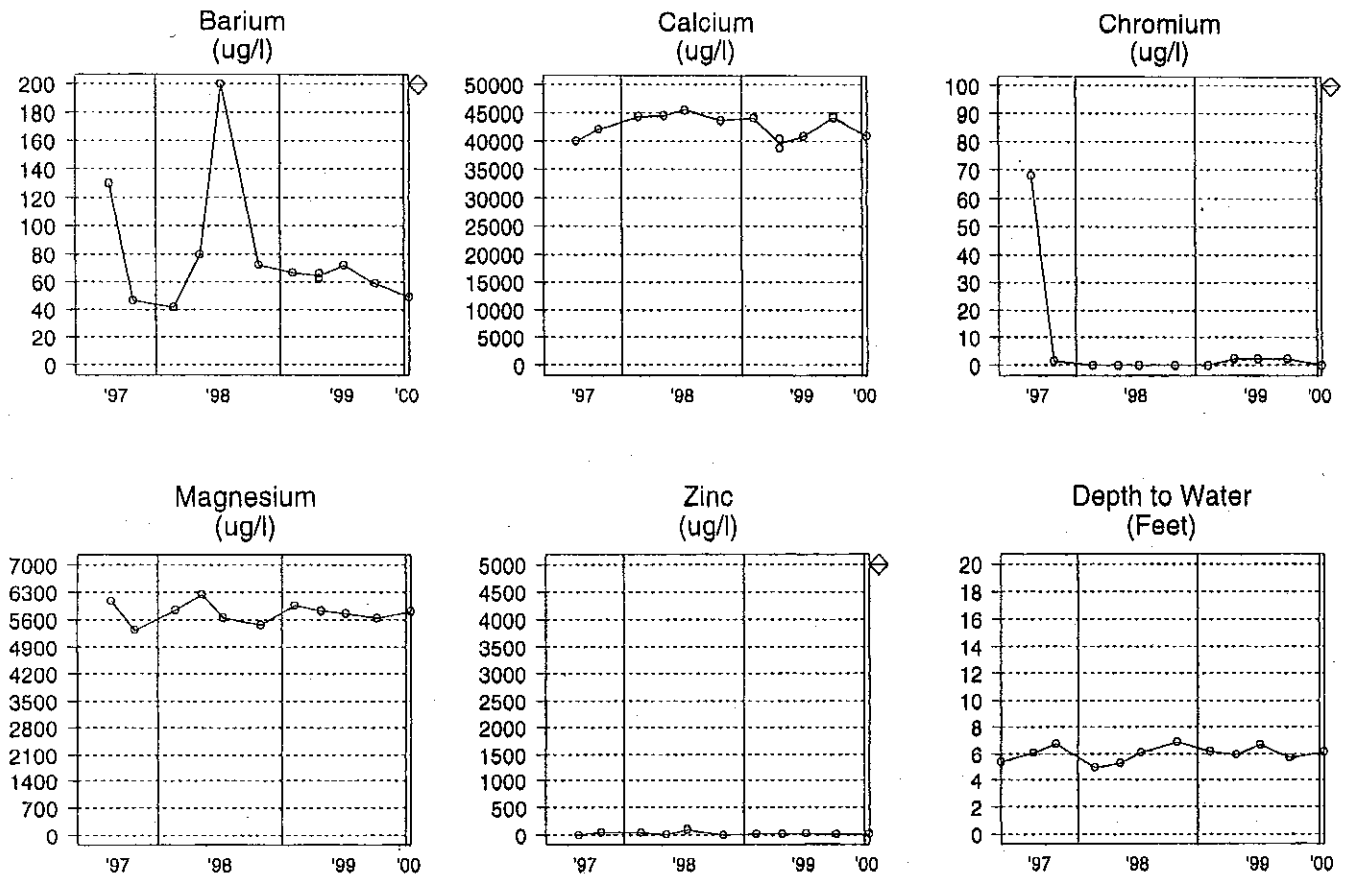
Silver in blank > Criteria in May 97
Page 2 of 2.

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 3

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



SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 01/11/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 3, Graph

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

04-03-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Aluminum	Iron	Manganese	Sodium	Barium	Calcium	Magnesium	Zinc	Depth to Water	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	200	300	50	50000	200	NLE	NLE	5000	-	-
01/11/2000	FMETL	79	29500	113	9650	109	29400	3570	74.7	8.61	V,S,P,M

SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 01/11/2000

NOTES:

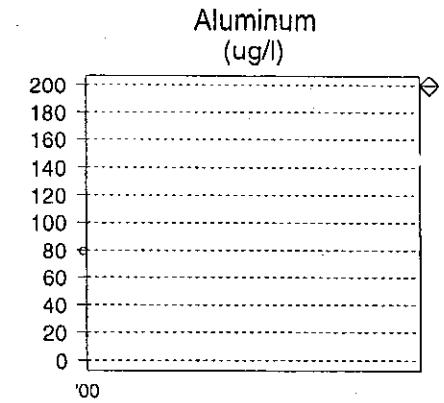
Silver in blank > Criteria in May 97

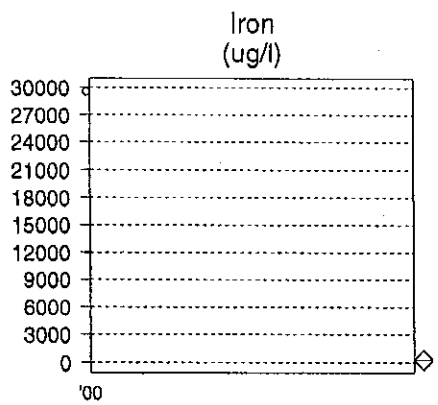
FORT MONMOUTH

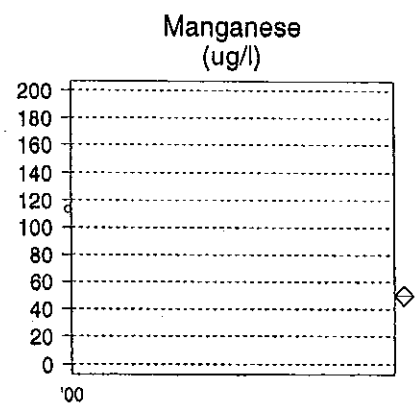
GW MONITORING
Bldg M-4

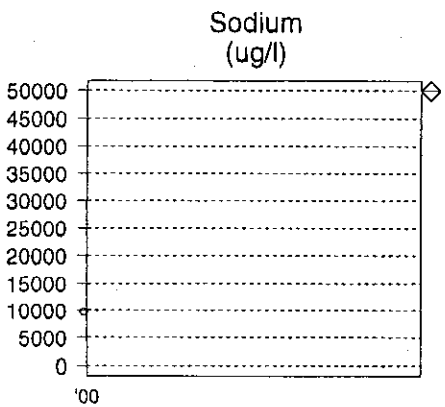
Well 4 of 4

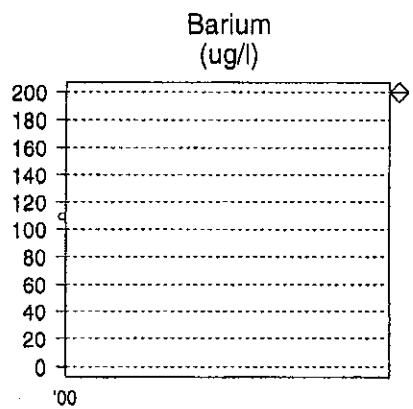
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

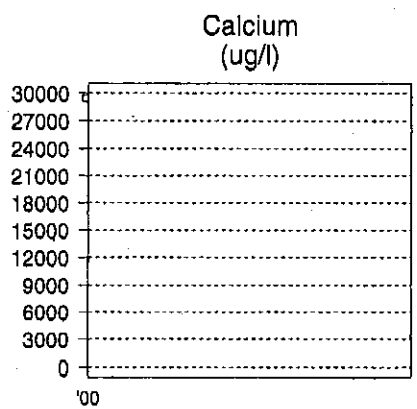


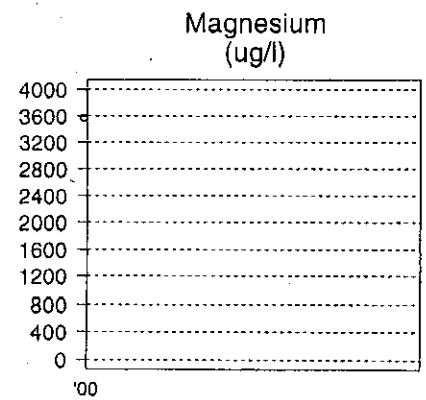


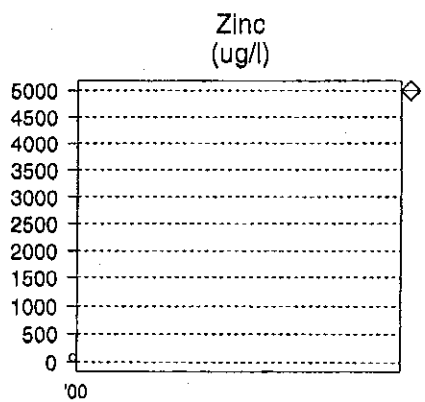


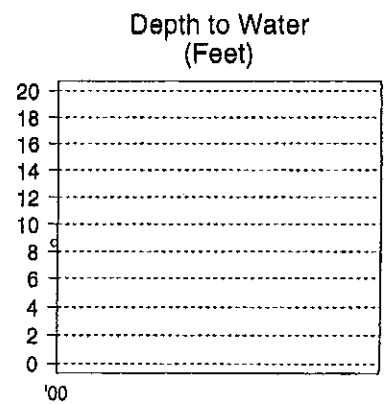












SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 01/11/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 4 of 4, Graph

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

04-03-2000 x:\mtech46\fm\m-4\gw\m4.wsf

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: M-4

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5388.01	00M4MW07	29-32571	05/01/00
5388.02	00M4MW08	29-32572	05/01/00
5388.03	00M4MW09	29-32573	05/01/00
5388.04	00M4MW10	29-41644	05/01/00

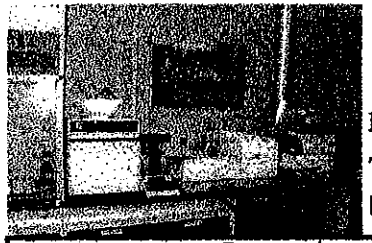
NJDEP Laboratory Certification # 13461

6-27-00

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 #: 426223
(X)DERA ( )OMA ( )Other:

Project No:
Location: M4 wells
2nd Qtr '00

Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOTS	TAL MTLS	BOA+25	Pest/PCB				Hex Reed	Remarks / Preservation Method
5388 .01	00M4 MW07	5/1/00	0952	AQ	5	✓	✓	✓	✓				0.0	29-32571
.02	00M4 MW08		1002		5	✓	✓	✓	✓				0.0	29-32572
.03	00M4 MW09		1043			✓	✓	✓	✓				0.0	29-32573
.04	00M4 MW10		0956			✓	✓	✓	✓				0.0	29-41644

Comments: HCL/HNO3/<4°C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	5/1/00 1300	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: 4-10
Shows Trip/FB/Dup from 1122 same date. rpm

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW07
NJDEP ID #: 29-32571
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/01/00
WEATHER: Sunny, cool.
TIDE: High-Outgoing.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 16.75 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.51 ft
DEPTH OF WELL: 17.61 ft
DEPTH TO TOP OF SCREEN: 5.5 ft
HEIGHT OF WATER : 10.10 ft
(10.10) X .65 X 3 =19.69
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:25
pH 6.95 su
DISSOLVED O2 5.91 ppm
TEMP 12.8 °C
SPECIFIC CONDUCTIVITY 70 us/cm

PURGE END TIME: 09:52
pH 6.91 su
DISSOLVED O2 5.21 ppm
TEMP 12.5 °C
SPECIFIC CONDUCTIVITY 74 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.89 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 10:10
pH 6.93 su
DISSOLVED O2 5.77 ppm
TEMP 12.5 °C
SPECIFIC CONDUCTIVITY 73 us/cm

SAMPLE END TIME: 10:13

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW08
NJDEP ID #: 29-32572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/01/00
WEATHER: Sunny, cool.
TIDE: High-Outgoing.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 10.68 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.94 ft
DEPTH OF WELL: 19.90 ft
DEPTH TO TOP OF SCREEN: 4.00 ft
HEIGHT OF WATER : 12.96 ft
(12.96) X .65 X 3 = 25.27
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: 08:14
pH 6.91 su
DISSOLVED O2 5.89 ppm
TEMP 13.2 °C
SPECIFIC CONDUCTIVITY 271 us/cm

PURGE END TIME: 10:02
pH 6.93 su
DISSOLVED O2 5.21 ppm
TEMP 12.9 °C
SPECIFIC CONDUCTIVITY 277 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: 25 gal

SAMPLE START TIME: 10:03
pH 6.93 su
DISSOLVED O2 5.17 ppm
TEMP 12.8 °C
SPECIFIC CONDUCTIVITY 278 us/cm

SAMPLE END TIME: 10:09

COMMENTS: Cloudy, yellow orange tinge, roots and particles.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW09
NJDEP ID #: 29-32573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/11/00
WEATHER: Sunny, cool.
TIDE: High-Outgoing.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.69 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.54 ft
DEPTH OF WELL: 24.25 ft
DEPTH TO TOP OF SCREEN: 7.00 ft
HEIGHT OF WATER: 18.71 ft
(18.71) X .65 X 3 = 36.48
GALLONS OF H2O TO BE PURGED: 36 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: 08:07
pH 6.91 su
DISSOLVED O2 6.11 ppm
TEMP 13.0 °C
SPECIFIC CONDUCTIVITY 73 us/cm

PURGE END TIME: 10:43
pH 6.93 su
DISSOLVED O2 5.31 ppm
TEMP 12.6 °C
SPECIFIC CONDUCTIVITY 75 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.45 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 36 gal

SAMPLE START TIME: 10:44
pH 6.97 su
DISSOLVED O2 5.24 ppm
TEMP 12.5 °C
SPECIFIC CONDUCTIVITY 76 us/cm

SAMPLE END TIME: 10:48

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW10
NJDEP ID #:
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/11/00
WEATHER: Sunny, cool.
TIDE: High-Outgoing.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.81 ft
DEPTH OF WELL: 20.32 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.51 ft
(11.51) X .65 X 3 =22.44
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: 08:21
pH 6.91 su
DISSOLVED O2 5.63 ppm
TEMP 12.7 °C
SPECIFIC CONDUCTIVITY 70 us/cm

PURGE END TIME: 09:56
pH 6.94 su
DISSOLVED O2 5.11 ppm
TEMP 12.5 °C
SPECIFIC CONDUCTIVITY 73 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.98 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 09:57
pH 6.97 su
DISSOLVED O2 5.04 ppm
TEMP 12.5 °C
SPECIFIC CONDUCTIVITY 75 us/cm

SAMPLE END TIME: 10:01

COMMENTS: Cloudy, yellow particles.

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	VB006784.D	Sample Name	Vblk207
Operator	Skelton	Field ID	Vblk207
Date Acquired	8 May 2000 5:10 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	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-97

Qualifiers

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

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

5/18/00 11:06 AM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Vblk207

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5388 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk207

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006784.D

Level: (low/med) LOW Date Received: 5/1/00

% Moisture: not dec. Date Analyzed: 5/8/00

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: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	11.43	6	J

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

Data File	VB006798.D	Sample Name	5388.01
Operator	Skelton	Field ID	00M4MW07
Date Acquired	9 May 2000 2:24 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	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-97

Qualifiers

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

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

5/18/00 11

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. 00M4MW07

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5388 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5388.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006798.D

Level: (low/med) LOW Date Received: 5/1/00

% Moisture: not dec. Date Analyzed: 5/9/00

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	VB006799.D	Sample Name	5388.02
Operator	Skelton	Field ID	00M4MW08
Date Acquired	9 May 2000 3:04 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	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-97

Qualifiers

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

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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

00M4MW08

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5388 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5388.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006799.D

Level: (low/med) LOW Date Received: 5/1/00

% Moisture: not dec. Date Analyzed: 5/9/00

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	VB006800.D	Sample Name	5388.03
Operator	Skelton	Field ID	00M4MW09
Date Acquired	9 May 2000 3:43 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	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-97

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

00M4MW09

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5388 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5388.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006800.D

Level: (low/med) LOW Date Received: 5/1/00

% Moisture: not dec. Date Analyzed: 5/9/00

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	VB006801.D	Sample Name	5388.04
Operator	Skelton	Field ID	00M4MW10
Date Acquired	9 May 2000 4:23 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			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-97

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

00M4MW10

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5388 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5388.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006801.D

Level: (low/med) LOW Date Received: 5/1/00

% Moisture: not dec. Date Analyzed: 5/9/00

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	BNA03866.D	Sample Name	Sblk366
Operator	Bhaskar	Misc Info	Sblk366 A 000503
Date Acquired	4-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	
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	**BNA03866.D**	Sample Name	**Sblk366**
Operator	**Bhaskar**	Misc Info	**Sblk366 A 000503**
Date Acquired	**4-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

Sblk366

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 5388 Location M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Sblk366

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03866.D

Level: (low/med) LOW Date Received: 5/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 5/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/4/00

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	BNA03873.D	Sample Name	5388.01
Operator	Bhaskar	Misc Info	00M4MW07
Date Acquired	4-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	
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
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Data File Name	BNA03873.D	Sample Name	5388.01
Operator	Bhaskar	Misc Info	00M4MW07
Date Acquired	4-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

00M4MW07

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 5388 Location M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5388.01

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03873.D

Level: (low/med) LOW Date Received: 5/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 5/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/4/00

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	6.97	8	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03874.D**	Sample Name	**5388.02**
Operator	**Bhaskar**	Misc Info	**00M4MW08**
Date Acquired	**4-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	
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	**BNA03874.D**	Sample Name	**5388.02**
Operator	**Bhaskar**	Misc Info	**00M4MW08**
Date Acquired	**4-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

00M4MW08

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 5388 Location M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5388.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03874.D

Level: (low/med) LOW Date Received: 5/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 5/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/4/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.98	10	J
2.	unknown	34.26	12	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BNA03875.D	Sample Name	5388.03
Operator	Bhaskar	Misc Info	00M4MW09
Date Acquired	4-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	
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
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Data File Name	BNA03875.D	Sample Name	5388.03
Operator	Bhaskar	Misc Info	00M4MW09
Date Acquired	4-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: 00M4MW09

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 5388 Location M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5388.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03875.D

Level: (low/med) LOW Date Received: 5/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 5/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/4/00

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	6.98	10	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03876.D**	Sample Name	**5388.04**
Operator	**Bhaskar**	Misc Info	**00M4MW10**
Date Acquired	**4-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	
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	BNA03876.D	Sample Name	5388.04
Operator	Bhaskar	Misc Info	00M4MW10
Date Acquired	4-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

00M4MW10

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 5388 Location M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5388.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03876.D

Level: (low/med) LOW Date Received: 5/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 5/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 5/4/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.98	8	J

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

Client :	U.S. Army	**Lab. ID # :**	PBLK518
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	5/4/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/11/00
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 # :**	5388.01
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/1/00
	Bldg. 173	**Extraction Date:**	5/4/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/11/00
Analysis:	EPA Method 608	**Location :**	M4 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW07
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 # :**	5388.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/1/00
	Bldg. 173	**Extraction Date:**	5/4/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/11/00
Analysis:	EPA Method 608	**Location :**	M4 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW08
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 # :**	5388.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/1/00
	Bldg. 173	**Extraction Date:**	5/4/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/11/00
Analysis:	EPA Method 608	**Location :**	M4 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW09
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 # :**	5388.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/1/00
	Bldg. 173	**Extraction Date:**	5/4/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	5/11/00
Analysis:	EPA Method 608	**Location :**	M4 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW10
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
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 5388
Sample Prepared: 06/01/00

Site: M-4

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	06/01/00	15.3	200	10.0
Antimony	06/01/00	ND	20	2.0
Arsenic	06/01/00	ND	8	2.0
Barium	06/01/00	ND	2000	0.5
Beryllium	06/01/00	ND	20	0.5
Cadmium	06/01/00	ND	4	0.5
Calcium	06/01/00	189	NLE	20.0
Chromium	06/01/00	ND	100	0.5
Cobalt	06/01/00	ND	NLE	0.5
Copper	06/01/00	ND	1000	3.0
Iron	06/01/00	25.4	300	10.0
Lead	06/01/00	ND	10	2.0
Magnesium	06/01/00	25.6	NLE	20.0
Manganese	06/01/00	0.661	50	0.5
Mercury	05/15/00	ND	2	0.1
Nickel	06/01/00	ND	100	0.5
Potassium	06/01/00	ND	NLE	20.0
Selenium	06/01/00	ND	50	3.0
Silver	06/01/00	ND	20	3.0
Sodium	06/01/00	43.1	50000	20.0
Thallium	06/01/00	9.90	10	3.0
Vanadium	06/01/00	ND	NLE	1.0
Zinc	06/01/00	3.20	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 #: 5388.01
Sample Received: 05/01/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW07

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/01/00	646	200	10.0
Antimony	06/01/00	ND	20	2.0
Arsenic	06/01/00	ND	8	2.0
Barium	06/01/00	27.8	2000	0.5
Beryllium	06/01/00	ND	20	0.5
Cadmium	06/01/00	1.38	4	0.5
Calcium	06/01/00	14000	NLE	20.0
Chromium	06/01/00	5.78	100	0.5
Cobalt	06/01/00	3.36	NLE	0.5
Copper	06/01/00	431	1000	3.0
Iron	06/01/00	392	300	10.0
Lead	06/01/00	57.8	10	2.0
Magnesium	06/01/00	4710	NLE	20.0
Manganese	06/01/00	44.9	50	0.5
Mercury	05/15/00	ND	2	0.1
Nickel	06/01/00	23.7	100	0.5
Potassium	06/01/00	1320	NLE	20.0
Selenium	06/01/00	ND	50	3.0
Silver	06/01/00	ND	20	3.0
Sodium	06/01/00	13300	50000	20.0
Thallium	06/01/00	ND	10	3.0
Vanadium	06/01/00	ND	NLE	1.0
Zinc	06/01/00	513	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 #: 5388.02
Sample Received: 05/01/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW08

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/01/00	132	200	10.0
Antimony	06/01/00	ND	20	2.0
Arsenic	06/01/00	ND	8	2.0
Barium	06/01/00	217	2000	0.5
Beryllium	06/01/00	ND	20	0.5
Cadmium	06/01/00	ND	4	0.5
Calcium	06/01/00	40600	NLE	20.0
Chromium	06/01/00	3.34	100	0.5
Cobalt	06/01/00	ND	NLE	0.5
Copper	06/01/00	ND	1000	3.0
Iron	06/01/00	73800	300	10.0
Lead	06/01/00	ND	10	2.0
Magnesium	06/01/00	6990	NLE	20.0
Manganese	06/01/00	164	50	0.5
Mercury	05/15/00	ND	2	0.1
Nickel	06/01/00	ND	100	0.5
Potassium	06/01/00	7120	NLE	20.0
Selenium	06/01/00	ND	50	3.0
Silver	06/01/00	ND	20	3.0
Sodium	06/01/00	12800	50000	20.0
Thallium	06/01/00	ND	10	3.0
Vanadium	06/01/00	2.63	NLE	1.0
Zinc	06/01/00	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 #: 5388.03
Sample Received: 05/01/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW09

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/01/00	ND	200	10.0
Antimony	06/01/00	ND	20	2.0
Arsenic	06/01/00	ND	8	2.0
Barium	06/01/00	59.9	2000	0.5
Beryllium	06/01/00	ND	20	0.5
Cadmium	06/01/00	ND	4	0.5
Calcium	06/01/00	37900	NLE	20.0
Chromium	06/01/00	ND	100	0.5
Cobalt	06/01/00	ND	NLE	0.5
Copper	06/01/00	ND	1000	3.0
Iron	06/01/00	8800	300	10.0
Lead	06/01/00	ND	10	2.0
Magnesium	06/01/00	5600	NLE	20.0
Manganese	06/01/00	46.3	50	0.5
Mercury	05/15/00	ND	2	0.1
Nickel	06/01/00	ND	100	0.5
Potassium	06/01/00	7630	NLE	20.0
Selenium	06/01/00	ND	50	3.0
Silver	06/01/00	ND	20	3.0
Sodium	06/01/00	5760	50000	20.0
Thallium	06/01/00	ND	10	3.0
Vanadium	06/01/00	ND	NLE	1.0
Zinc	06/01/00	4.17	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 #: 5388.04
Sample Received: 05/01/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW10

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/01/00	31.3	200	10.0
Antimony	06/01/00	ND	20	2.0
Arsenic	06/01/00	ND	8	2.0
Barium	06/01/00	516	2000	0.5
Beryllium	06/01/00	0.582	20	0.5
Cadmium	06/01/00	ND	4	0.5
Calcium	06/01/00	31900	NLE	20.0
Chromium	06/01/00	2.28	100	0.5
Cobalt	06/01/00	ND	NLE	0.5
Copper	06/01/00	ND	1000	3.0
Iron	06/01/00	64300	300	10.0
Lead	06/01/00	ND	10	2.0
Magnesium	06/01/00	3760	NLE	20.0
Manganese	06/01/00	124	50	0.5
Mercury	05/15/00	ND	2	0.1
Nickel	06/01/00	ND	100	0.5
Potassium	06/01/00	7990	NLE	20.0
Selenium	06/01/00	ND	50	3.0
Silver	06/01/00	ND	20	3.0
Sodium	06/01/00	10800	50000	20.0
Thallium	06/01/00	ND	10	3.0
Vanadium	06/01/00	2.10	NLE	1.0
Zinc	06/01/00	17.1	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

	Lab	Acetone	Di-n-butyl phthalate	4,4'-DDT	Aluminum	Iron	Lead	Manganese	Silver	Sodium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	900	0.1	200	300	10	50	20	50000	-
05/06/1997	FMETL	ND	5.96	ND	1500	160	ND	90	21	58300	V,S,P,M
08/15/1997	FMETL	ND	61	ND	620	820	ND	81	ND	55150	V,S,P,M
10/24/1997	FMETL	ND	2.28	ND	559	2491	20	50.3	ND	17860	V,S,P,M
02/18/1998	FMETL	ND	8.18	ND	538	163	ND	40.7	ND	27110	V,S,P,M
05/06/1998	FMETL	ND	ND	ND	962	1621	ND	24.9	ND	19310	V,S,P,M
10/29/1998	FMETL	ND	ND	0.0015	969	3770	7.96	39.7	ND	28500	V,S,P,M
10/29/1998	FMETL	8.46	ND	ND	582	1830	ND	53.6	ND	29300	V,S,P,M
02/04/1999	FMETL	ND	ND	ND	474	442	ND	39.7	ND	21500	V,S,P,M
04/23/1999	FMETL	7.39	ND	ND	606	305	ND	71.2	ND	26400	V,S,P,M
07/06/1999	FMETL	ND	ND	ND	377	554	ND	41.3	ND	39700	V,S,P,M
10/05/1999	FMETL	ND	ND	ND	527	731	ND	55.2	ND	20500	V,S,P,M
01/11/2000	FMETL	ND	ND	ND	411	315	ND	41.7	ND	29600	V,S,P,M
05/01/2000	FMETL	ND	ND	ND	646	392	57.8	44.9	ND	13300	V,S,P,M

SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 05/01/2000

NOTES:

Silver in blank > Criteria in May 97

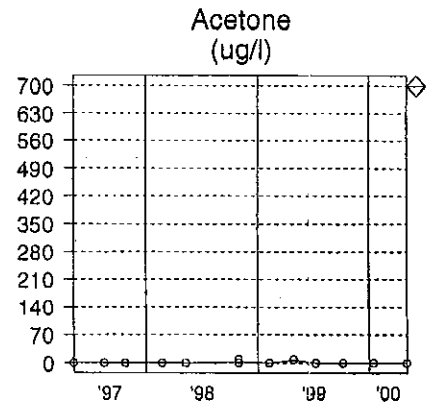
Page 1 of 2.

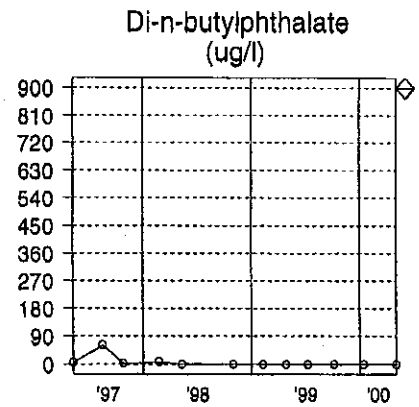
FORT MONMOUTH

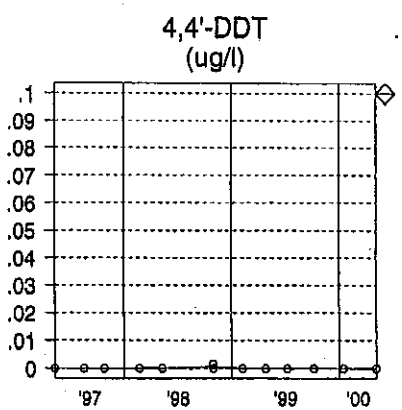
GW MONITORING
Bldg M-4

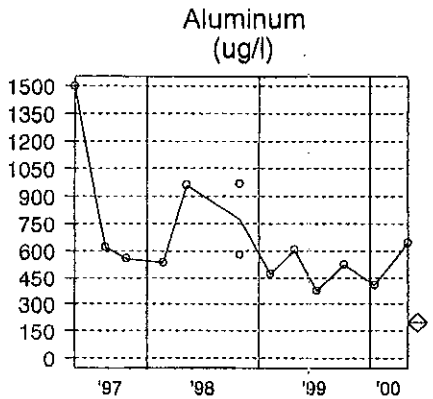
Well 1 of 4

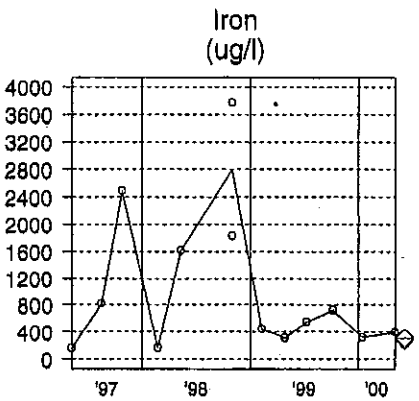
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

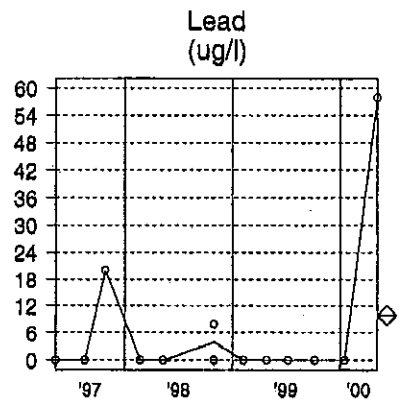


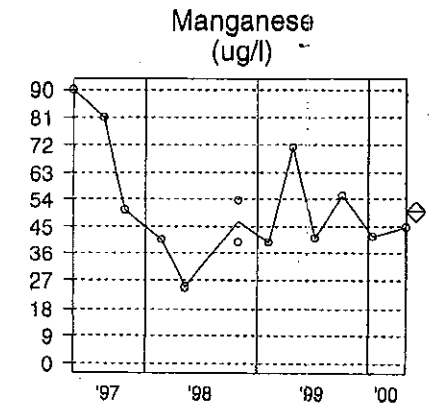


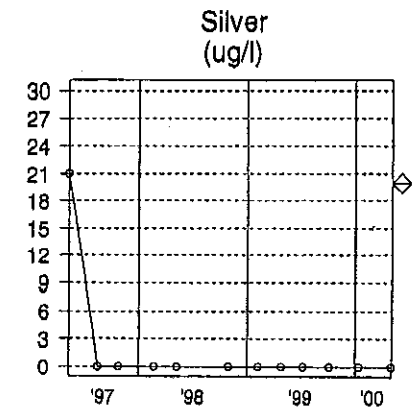


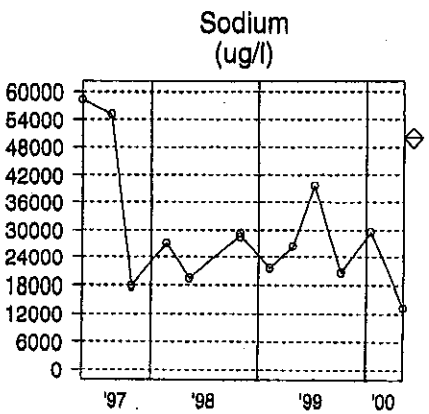












SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 05/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 4, Graph

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FORT MONMOUTH
SELFM-PW-EV

06-27-2000 x:\mtech48\fm\m-4\gw\m4.wsl

	Lab	Depth to Water	Antimony	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc		Notes
Units:	-	Feet	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l		-
NJDEP Criteria:	-	-	20	200	NLE	100	NLE	NLE	5000		-
05/06/1997	FMETL	7.70	-	-	-	-	-	-	-		V,S,P,M
08/15/1997	FMETL	9.15	1.1	100	15440	89	7070	300	42		V,S,P,M
10/24/1997	FMETL	9.70	ND	83.6	9680	1.8	5530	ND	75		V,S,P,M
02/18/1998	FMETL	6.40	ND	32.4	13760	ND	4070	ND	46		V,S,P,M
05/06/1998	FMETL	6.92	ND	18.5	8562	1.4	2882	3.2	12.8		V,S,P,M
10/29/1998	FMETL	8.63	5.45	28.1	11100	ND	3230	5.34	66.5		V,S,P,M
10/29/1998	FMETL	9.97	3.96	94.7	14500	1.22	6780	ND	23.7		V,S,P,M
02/04/1999	FMETL	7.41	ND	29.5	11000	4.28	3540	ND	42.2		V,S,P,M
04/23/1999	FMETL	7.86	ND	26.6	12800	2.70	3950	ND	35.2		V,S,P,M
07/06/1999	FMETL	9.20	ND	44.6	14400	2.78	4160	ND	38.3		V,S,P,M
10/05/1999	FMETL	8.94	3.27	52.7	15800	3.11	4980	ND	52.6		V,S,P,M
01/11/2000	FMETL	8.15	ND	35	12500	ND	4150	ND	49.5		V,S,P,M
05/01/2000	FMETL	7.51	ND	27.8	14000	5.78	4710	ND	513		V,S,P,M

SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 05/01/2000

NOTES:

Silver in blank > Criteria in May 97

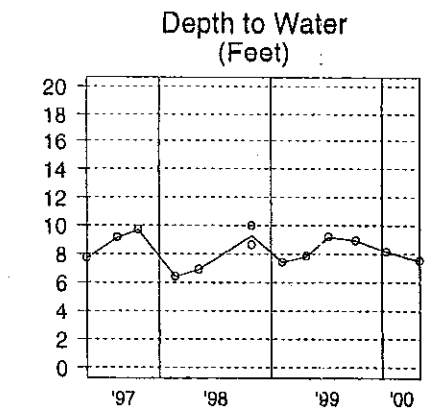
Page 2 of 2.

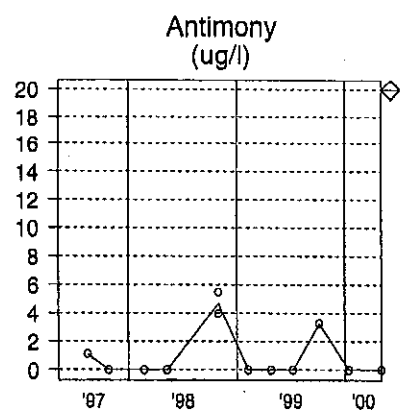
FORT MONMOUTH

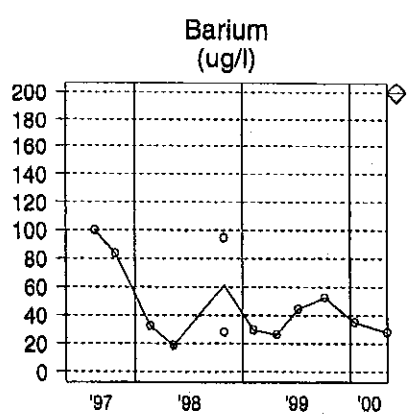
GW MONITORING
Bldg M-4

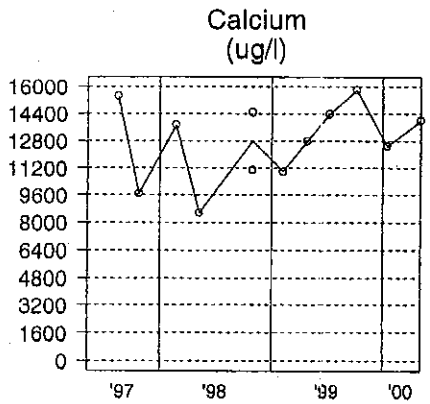
Well 1 of 4

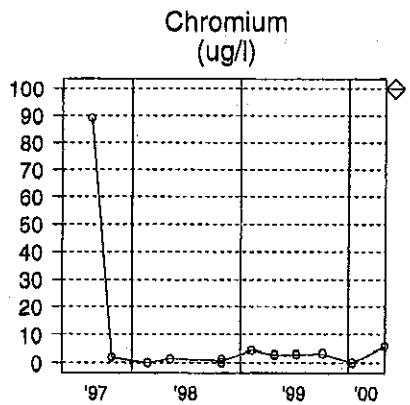
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

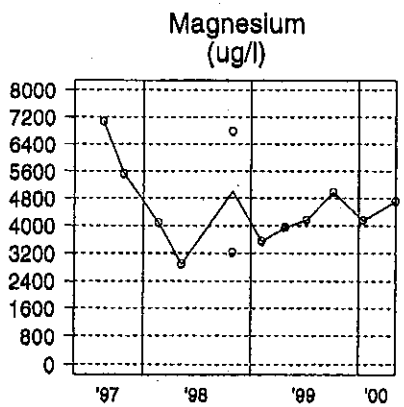


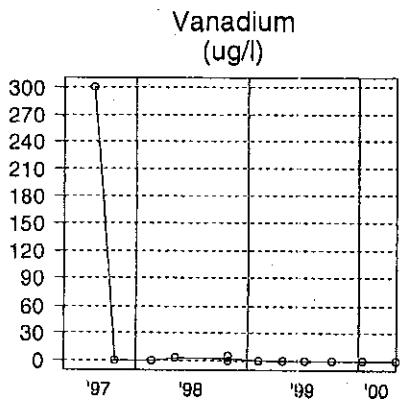


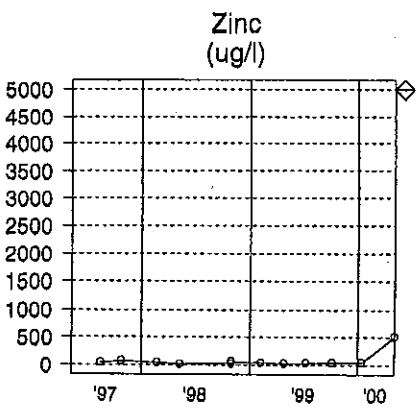












SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 05/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 4, Graph

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

08-27-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Acetone	2-But anone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	Depth to Water	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	700	300	900	200	300	10	50	50000	-	-
05/06/1997	FMETL	ND	ND	11.67	35	13900	ND	119	10100	6.50	V,S,P,M
08/15/1997	FMETL	ND	ND	56	344	13760	ND	125	10750	6.90	V,S,P,M
10/24/1997	FMETL	ND	ND	ND	113	11060	18	107	15360	7.60	V,S,P,M
02/18/1998	FMETL	ND	ND	10.8	128	14930	ND	121	11960	5.95	V,S,P,M
05/06/1998	FMETL	ND	ND	ND	203	34950	ND	135	13560	6.18	V,S,P,M
07/09/1998	FMETL	ND	ND	ND	293	24900	2.7	158	8970	6.76	V,S,P,M
10/29/1998	FMETL	13.01	ND	ND	15.8	15400	ND	135	19600	7.53	V,S,P,M
02/04/1999	FMETL	ND	ND	ND	942	112000	ND	160	17400	7.08	V,S,P,M
04/23/1999	FMETL	8.64	ND	1.20	3520	393000	8.35	402	17200	7.20	V,S,P,M
07/06/1999	FMETL	ND	4.20	ND	1020	54200	3.46	152	30400	7.51	V,S,P,M
10/05/1999	FMETL	ND	ND	ND	176	21800	ND	149	13800	6.80	V,S,P,M
01/11/2000	FMETL	ND	ND	ND	170	49400	ND	167	15000	7.31	V,S,P,M
05/01/2000	FMETL	ND	ND	ND	132	73800	ND	164	12800	6.94	V,S,P,M

SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 05/01/2000

NOTES:

Silver in blank > Criteria in May 97

Page 1 of 2.

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 4

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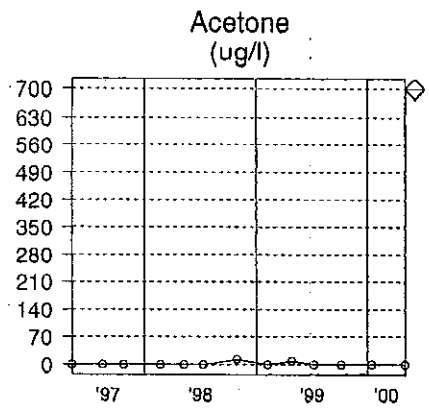
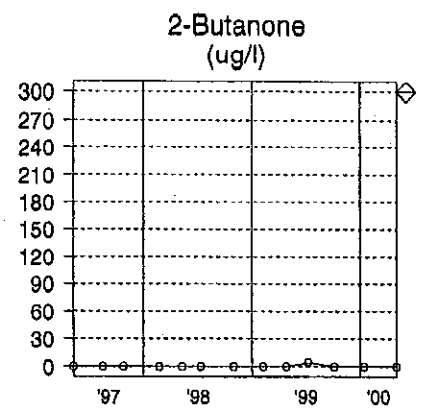
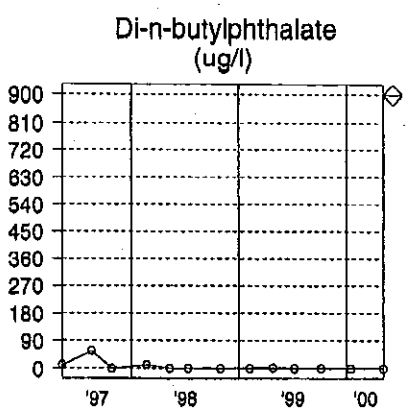
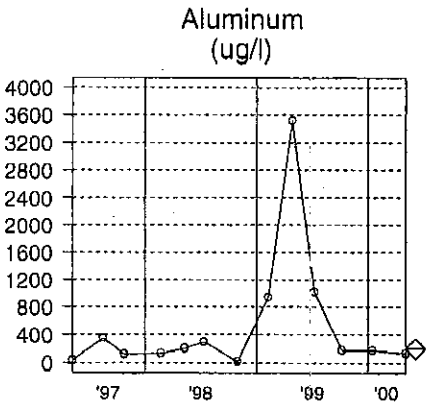
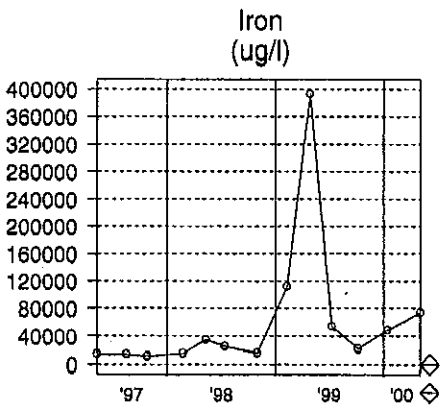
SELFM-PW-EV

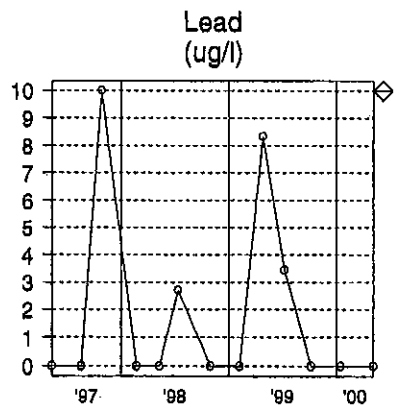


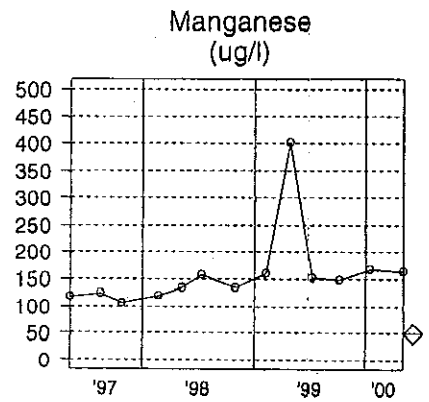


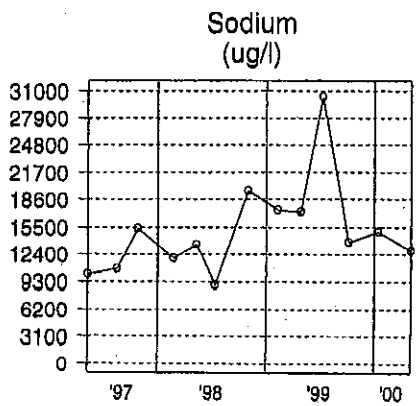


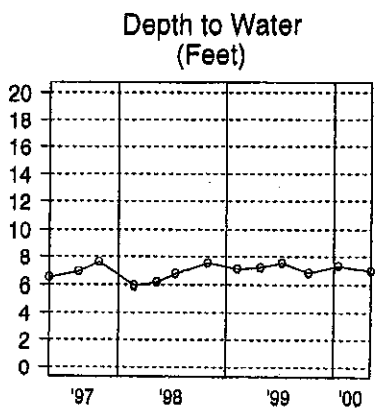












SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 05/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 4, Graph

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

06-27-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Antimony	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l			-
NJDEP Criteria:	-	20	200	NLE	100	NLE	NLE	5000			-
05/06/1997	FMETL	-	-	-	-	-	-	-			V,S,P,M
08/15/1997	FMETL	1.3	70	33340	90	5840	300	ND			V,S,P,M
10/24/1997	FMETL	ND	29.5	35680	1.2	6120	ND	53			V,S,P,M
02/18/1998	FMETL	ND	36	38960	ND	5950	ND	12			V,S,P,M
05/06/1998	FMETL	ND	74	38520	ND	6460	1.5	4.8			V,S,P,M
07/09/1998	FMETL	4.72	81.1	54000	ND	7590	1.49	66.7			V,S,P,M
10/29/1998	FMETL	5.36	40.9	45500	ND	8070	ND	ND			V,S,P,M
02/04/1999	FMETL	2.92	176	77600	9.36	7600	4.05	87.5			V,S,P,M
04/23/1999	FMETL	7.05	990	54800	22.3	7670	11.4	294			V,S,P,M
07/06/1999	FMETL	ND	405	37500	8.89	7650	5.90	109			V,S,P,M
10/05/1999	FMETL	ND	54.9	42400	4.16	6680	ND	20.2			V,S,P,M
01/11/2000	FMETL	ND	173	44300	2.77	7160	1.54	42.1			V,S,P,M
05/01/2000	FMETL	ND	217	40600	3.34	6990	2.63	14.9			V,S,P,M

SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 05/01/2000

NOTES:

Silver in blank > Criteria in May 97

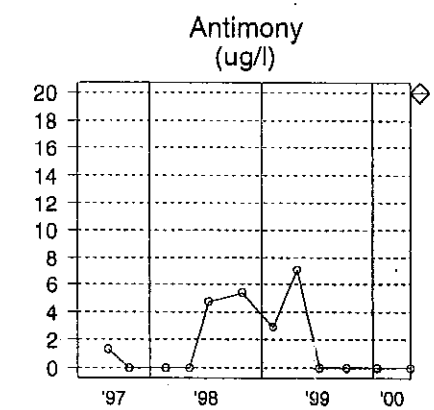
Page 2 of 2.

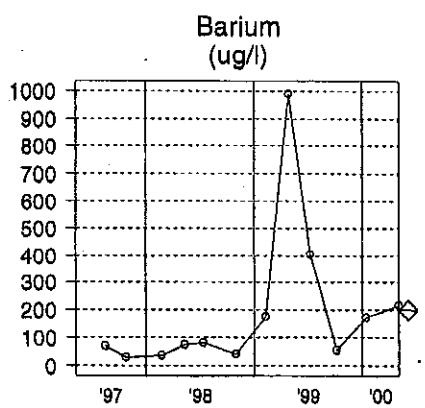
FORT MONMOUTH

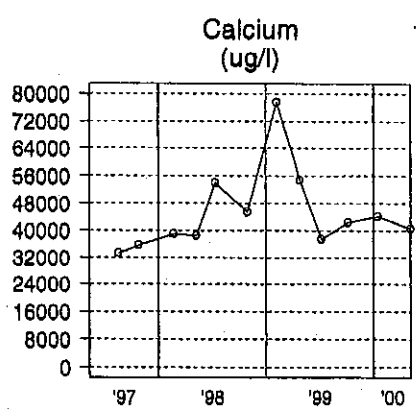
GW MONITORING
Bldg M-4

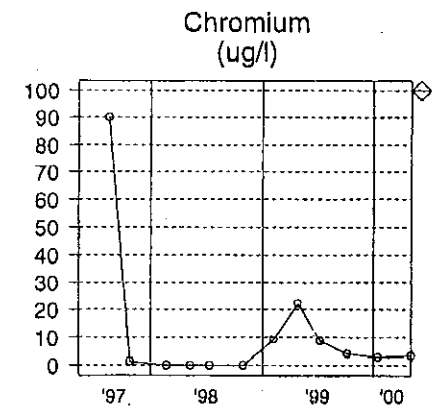
Well 2 of 4

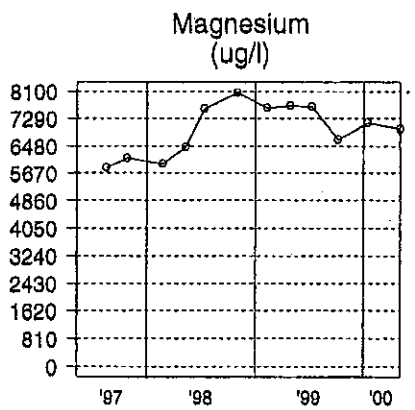
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

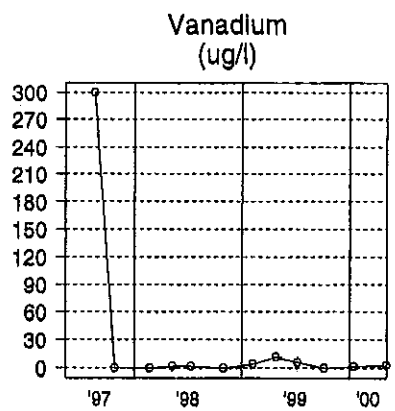


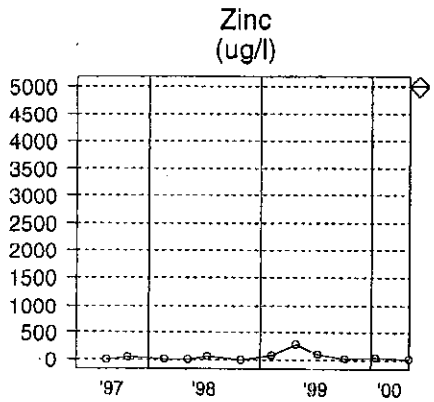












SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 05/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 4, Graph

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

08-27-2000 x:\mtech48\fm\m-4\gw\m4.wsf

	Lab	Acetone	2-But anone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	Depth to Water	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	700	300	900	200	300	10	50	50000	-	-
05/06/1997	FMETL	ND	ND	3.04	91	37000	ND	68	8300	5.40	V,S,P,M
08/15/1997	FMETL	ND	ND	50.5	101.6	7170	ND	64	8270	6.10	V,S,P,M
10/24/1997	FMETL	ND	ND	11.1	107	14650	9.0	76.5	9800	6.75	V,S,P,M
02/18/1998	FMETL	ND	ND	5.14	80	6019	ND	66	8370	4.99	V,S,P,M
05/06/1998	FMETL	ND	ND	ND	ND	19630	ND	90.5	9376	5.31	V,S,P,M
07/09/1998	FMETL	ND	ND	ND	21.2	15500	12.2	58.2	8140	6.12	V,S,P,M
10/29/1998	FMETL	16.17	5.72	ND	ND	14000	ND	41.9	8190	6.88	V,S,P,M
02/04/1999	FMETL	ND	ND	ND	ND	13100	ND	114	8170	6.18	V,S,P,M
04/23/1999	FMETL	7.59	ND	ND	ND	11100	ND	53.7	7480	5.94	V,S,P,M
04/23/1999D	FMETL	8.87	ND	ND	ND	12700	ND	72.2	7360	5.94	V,S,P,M
07/06/1999	FMETL	5.92	6.32	ND	ND	12900	ND	18.2	6040	6.68	V,S,P,M
10/05/1999	FMETL	ND	ND	ND	34.0	8800	ND	47.2	7630	5.71	V,S,P,M
01/11/2000	FMETL	ND	ND	ND	ND	9480	ND	53.7	7630	6.15	V,S,P,M
05/01/2000	FMETL	ND	ND	ND	ND	8800	ND	46.3	5760	5.54	V,S,P,M

SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 05/01/2000

NOTES:

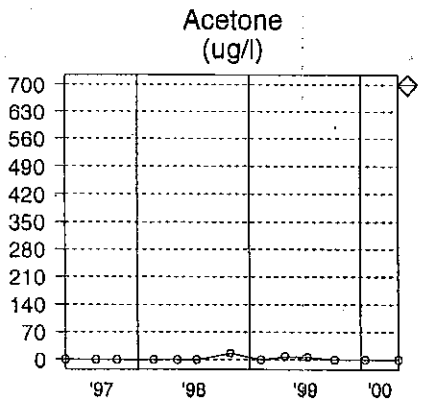
Silver in blank > Criteria in May 97
Page 1 of 2.

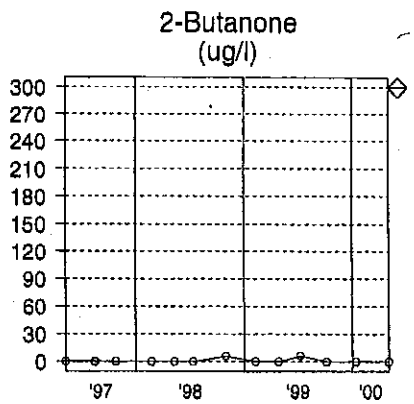
FORT MONMOUTH

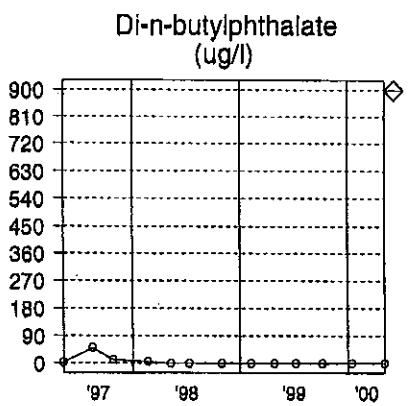
GW MONITORING
Bldg M-4

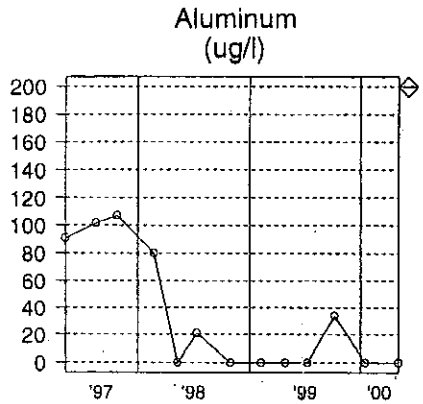
Well 3 of 4

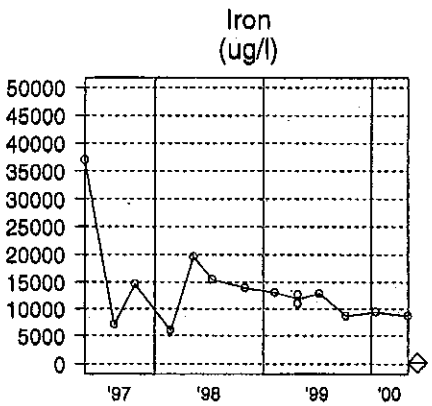
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

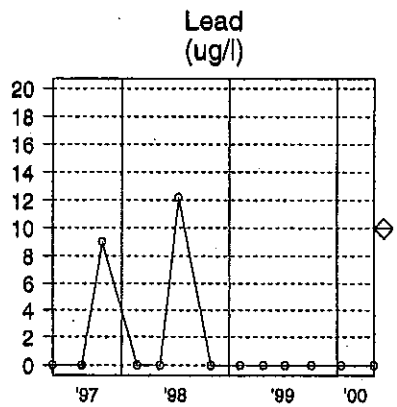


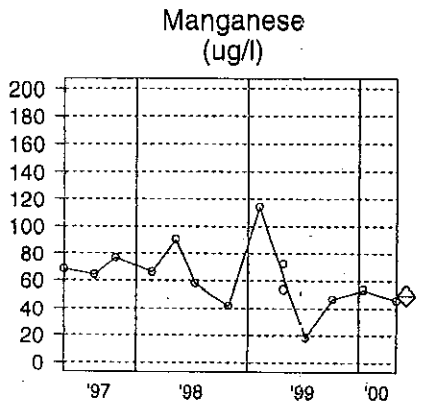


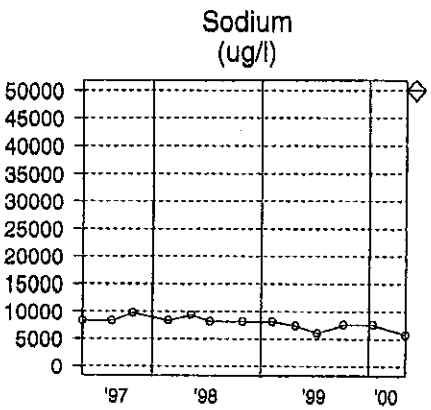


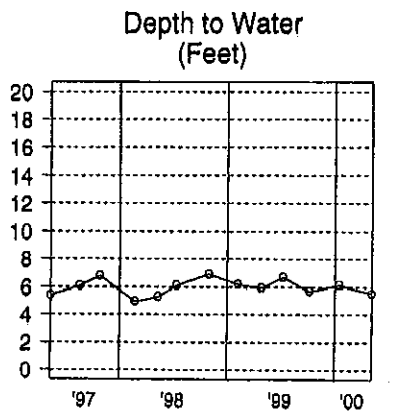












SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 05/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 4, Graph

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

08-27-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Antimony	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l			-
NJDEP Criteria:	-	20	200	NLE	100	NLE	NLE	5000			-
05/06/1997	FMETL	-	-	-	-	-	-	-			V,S,P,M
08/15/1997	FMETL	ND	130	40010	68	6070	300	ND			V,S,P,M
10/24/1997	FMETL	ND	46.7	42140	1.4	5340	ND	52			V,S,P,M
02/18/1998	FMETL	ND	42	44320	ND	5840	ND	43			V,S,P,M
05/06/1998	FMETL	ND	80	44510	ND	6243	ND	5.9			V,S,P,M
07/09/1998	FMETL	6.52	278	45500	ND	5650	ND	98.6			V,S,P,M
10/29/1998	FMETL	6.52	72.4	43700	ND	5480	ND	ND			V,S,P,M
02/04/1999	FMETL	ND	66.7	44100	ND	5960	ND	18.5			V,S,P,M
04/23/1999	FMETL	ND	62.5	40400	2.15	5830	ND	18.7			V,S,P,M
04/23/1999D	FMETL	ND	66.2	38800	2.38	5820	ND	26.6			V,S,P,M
07/06/1999	FMETL	ND	72.2	40900	2.18	5760	ND	25.3			V,S,P,M
10/05/1999	FMETL	ND	58.7	44200	2.16	5640	ND	12.0			V,S,P,M
01/11/2000	FMETL	ND	49	40900	ND	5810	ND	14.6			V,S,P,M
05/01/2000	FMETL	ND	59.9	37900	ND	5600	ND	4.17			V,S,P,M

SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 05/01/2000

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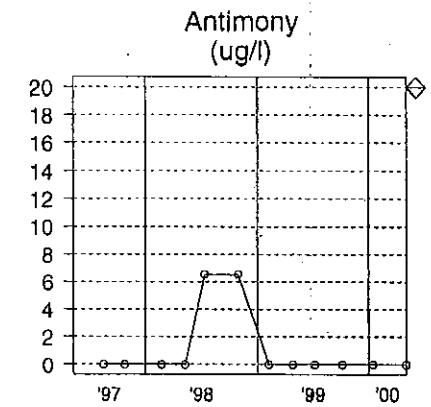
Page 2 of 2.

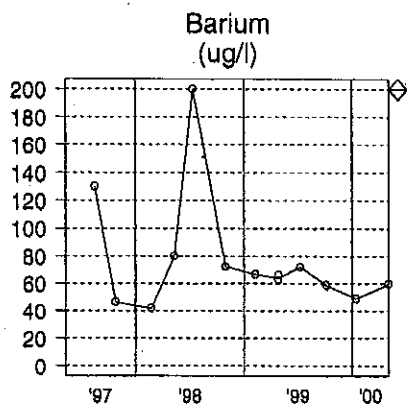
FORT MONMOUTH

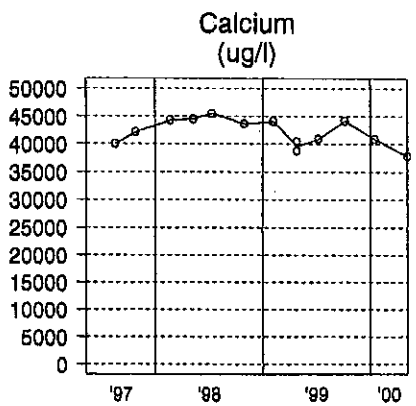
GW MONITORING
Bldg M-4

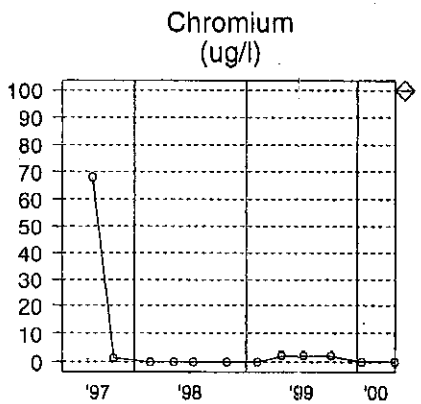
Well 3 of 4

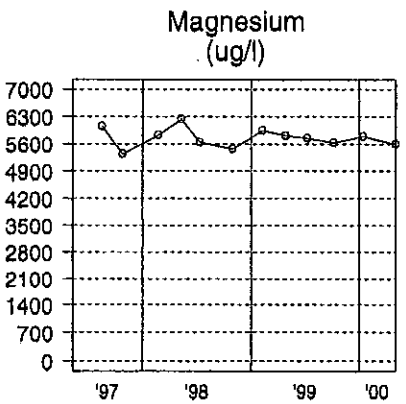
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

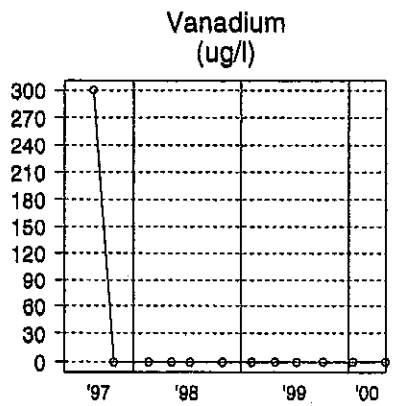


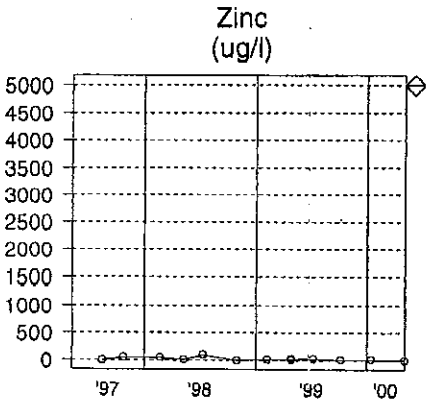












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Sampling Dates:
05/06/1997 - 05/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 4, Graph

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

	Lab	Aluminum	Iron	Manganese	Sodium	Depth to Water	Barium	Calcium	Chromium	Magnesium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	200	300	50	50000	-	200	NLE	100	NLE	-
01/11/2000	FMETL	79	29500	113	9650	8.61	109	29400	ND	3570	V,S,P,M
05/01/2000	FMETL	31.3	64300	124	10800	8.81	516	31900	2.28	3760	V,S,P,M

SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 05/01/2000

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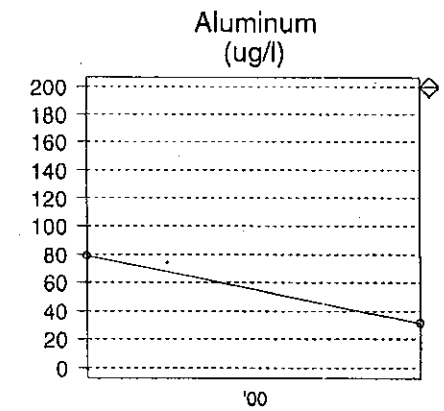
Page 1 of 2

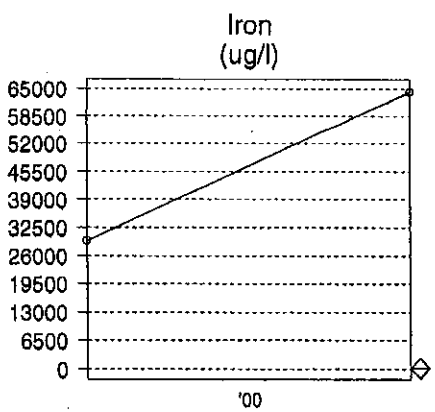
FORT MONMOUTH

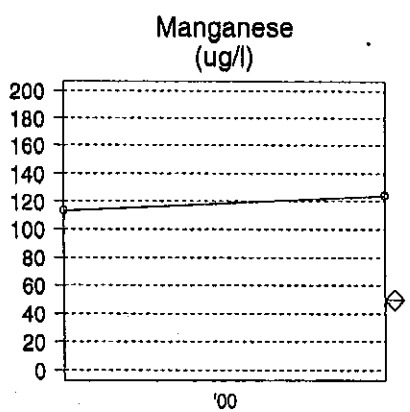
GW MONITORING
Bldg M-4

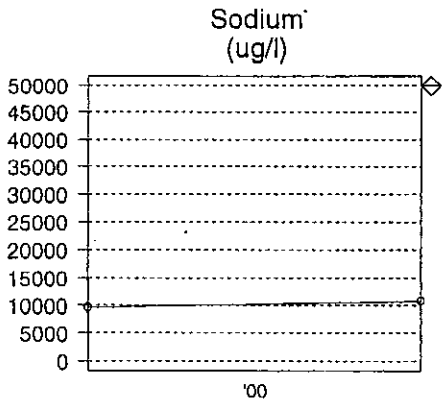
Well 4 of 4

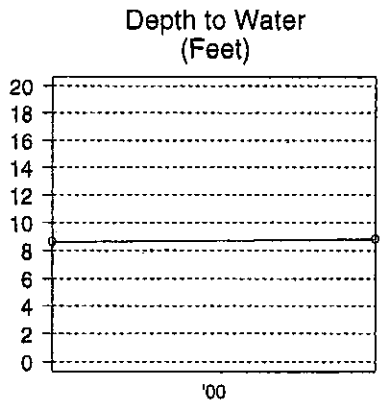
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

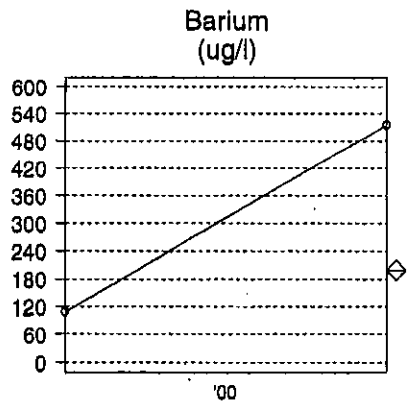


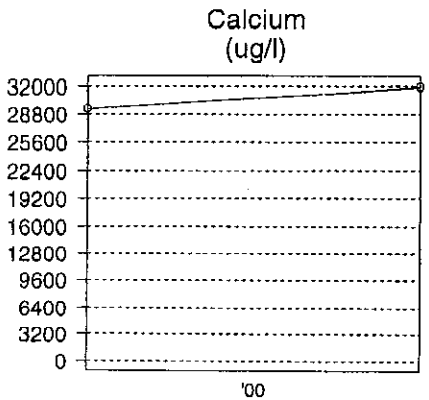


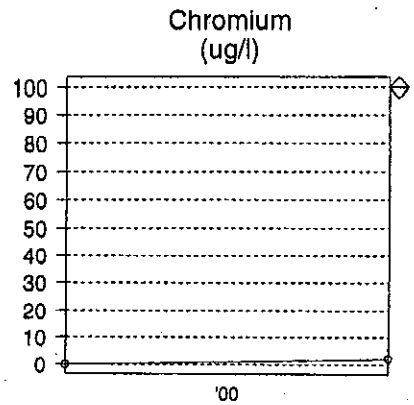


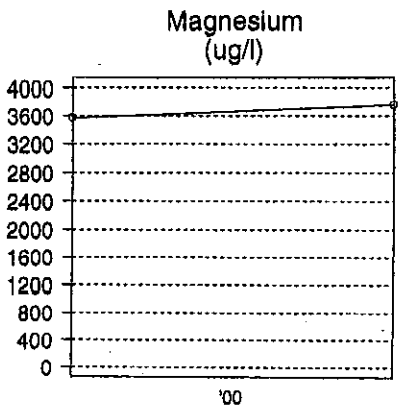












SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 05/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 4 of 4, Graph

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

08-27-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Vanadium	Zinc								Notes
Units:	-	ug/l	ug/l								-
NJDEP Criteria:	-	NLE	5000								-
01/11/2000	FMETL	ND	74.7								V,S,P,M
05/01/2000	FMETL	2.10	17.1								V,S,P,M

SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 05/01/2000

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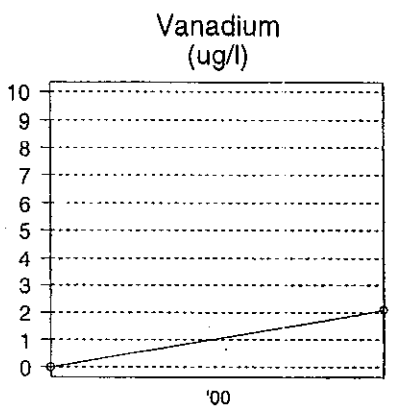
Page 2 of 2

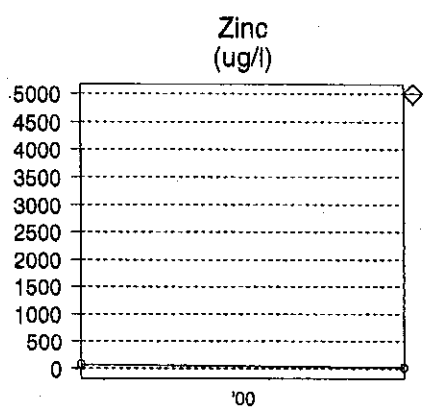
FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 4 of 4

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





SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 05/01/2000

LEGEND:

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NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 4 of 4, 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

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: M-4

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5584.04	00M4MW07	29-32571	08/01/00
5584.05	00M4MW08	29-32572	08/01/00
5584.06	00M4MW09	29-32573	08/01/00
5584.07	00M4MW10	29-41644	08/01/00

NJDEP Laboratory Certification # 13461

8-31-00

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 #: X2(0223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: M4 wells
3rd Qtr '00

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VOC+15 | TAL MTLS | Pest/PCB | BNA+25 | | | | Hnu Read

Comments: HCL/HNO3/4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOC+15	TAL MTLS	Pest/PCB	BNA+25				Hnu Read	Remarks / Preservation Method
55841 .01	Trip	8/1/00	0710	AQ	2	✓							—	
.02	Field Blank		0900		5	✓	✓	✓	✓				—	
.03	Dupe		—		5	✓	✓	✓	✓				—	
.04	M4MW07 ★		1002		5	✓	✓	✓	✓				0.0	29-32571
.05	M4MW08		1011			✓	✓	✓	✓				0.0	29-32572
.06	M4MW09		1046			✓	✓	✓	✓				0.0	29-32573
.07	M4MW10		1018			✓	✓	✓	✓				0.0	29-41644

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	8/1/00 1530	[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: Shows T/FB/D with 1122, 1076 sine date. CPM
Tide: H→I
Well depths remeasured. CPM

print legibly

Coc.xls5/10/00

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW07
NJDEP ID #: 29-32571
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/01/00
WEATHER: Overcast, rain.
TIDE: High-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 16.75 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.08 ft
DEPTH OF WELL: 17.61 ft
DEPTH TO TOP OF SCREEN: 5.5 ft
HEIGHT OF WATER : 9.53 ft
(9.53) X .65 X 3 =18.58
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: 08:39
pH 4.57 su
TEMP 19.5 °C
DISSOLVED O2 5.51 ppm
SPECIFIC CONDUCTIVITY 156.2 us/cm

PURGE END TIME: 10:01
pH 4.56 su
TEMP 19.1 °C
DISSOLVED O2 4.23 ppm
SPECIFIC CONDUCTIVITY 155.1 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.28 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 10:02
pH 4.54 su
TEMP 19.1 °C
DISSOLVED O2 4.21 ppm
SPECIFIC CONDUCTIVITY 154.8 us/cm

SAMPLE END TIME: 10:07

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW08
NJDEP ID #: 29-32572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/01/00
WEATHER: Overcast, rain.
TIDE: High-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 10.68 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.28 ft
DEPTH OF WELL: 19.90 ft
DEPTH TO TOP OF SCREEN: 4.00 ft
HEIGHT OF WATER : 12.62 ft
(12.62) X .65 X 3 = 24.60
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: 08:22
pH 6.52 su
DISSOLVED O2 5.76 ppm
TEMP 18.7 °C
SPECIFIC CONDUCTIVITY 190.3 us/cm

PURGE END TIME: 10:10
pH 6.46 su
DISSOLVED O2 4.33 ppm
TEMP 18.0 °C
SPECIFIC CONDUCTIVITY 190.2 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.25 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 10:11
pH 6.45 su
DISSOLVED O2 4.30 ppm
TEMP 18.1 °C
SPECIFIC CONDUCTIVITY 189.6 us/cm

SAMPLE END TIME: 10:17

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW09
NJDEP ID #: 29-32573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/01/00
WEATHER: Overcast, rain.
TIDE: High-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.69 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.91 ft
DEPTH OF WELL: 24.25 ft
DEPTH TO TOP OF SCREEN: 7.00 ft
HEIGHT OF WATER: 18.34 ft
(18.34) X .65 X 3 = 35.76
GALLONS OF H2O TO BE PURGED: 36 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: 08:09
pH 7.11 su — TEMP 17.9 °C
DISSOLVED O2 5.81 ppm — SPECIFIC CONDUCTIVITY 188.3 us/cm

PURGE END TIME: 10:45
pH 7.08 su — TEMP 17.6 °C
DISSOLVED O2 4.13 ppm — SPECIFIC CONDUCTIVITY 187.8 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.15 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 36 gal

SAMPLE START TIME: 10:46
pH 7.07 su — TEMP 17.7 °C
DISSOLVED O2 4.11 ppm — SPECIFIC CONDUCTIVITY 187.6 us/cm

SAMPLE END TIME: 10:57

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW10
NJDEP ID #: 29-41044
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/01/00
WEATHER: Overcast, rain.
TIDE: High-Incoming.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.37 ft
DEPTH OF WELL: 20.32 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.95 ft
(11.95) X .65 X 3 =23.30
GALLONS OF 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: 08:30
pH 6.47 su
DISSOLVED O2 5.43 ppm
TEMP 16.8 °C
SPECIFIC CONDUCTIVITY 146.1 us/cm

PURGE END TIME: 10:10
pH 6.43 su
DISSOLVED O2 4.23 ppm
TEMP 16.1 °C
SPECIFIC CONDUCTIVITY 145.7 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.81 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 10:18
pH 6.41 su
DISSOLVED O2 4.21 ppm
TEMP 16.2 °C
SPECIFIC CONDUCTIVITY 145.4 us/cm

SAMPLE END TIME: 10:25

COMMENTS: Cloudy.

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	**VB007712.D**	Sample Name	**Vblk233**
Operator	**Skelton**	Field ID	**Vblk233**
Date Acquired	**7 Aug 2000 12:47 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

8/15/00 3:07 PM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Vblk233

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5584 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk233

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007712.D

Level: (low/med) LOW Date Received: 8/1/00

% Moisture: not dec. Date Analyzed: 8/7/00

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 #13461

Data File	**VB007731.D**	Sample Name	**5584.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**8 Aug 2000 1:56 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	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

8/15/00 3:08 PM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5584 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5584.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007731.D

Level: (low/med) LOW Date Received: 8/1/00

% Moisture: not dec. Date Analyzed: 8/8/00

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 #13461

Data File	**VB007732.D**	Sample Name	**5584.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**8 Aug 2000 2:36 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	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5584 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5584.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007732.D

Level: (low/med) LOW Date Received: 8/1/00

% Moisture: not dec. Date Analyzed: 8/8/00

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 #13461

Data File	**VB007733.D**	Sample Name	**5584.03**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**8 Aug 2000 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	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5584 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5584.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007733.D

Level: (low/med) LOW Date Received: 8/1/00

% Moisture: not dec. Date Analyzed: 8/8/00

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 #13461

Data File	**VB007734.D**	Sample Name	**5584.04**
Operator	**Skelton**	Field ID	**00M4MW07**
Date Acquired	**8 Aug 2000 3:57 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

00M4MW07

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5584 Location: M4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5584.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007734.D

Level: (low/med) LOW Date Received: 8/1/00

% Moisture: not dec. _____ Date Analyzed: 8/8/00

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 #13461

Data File	**VB007735.D**	Sample Name	**5584.05**
Operator	**Skelton**	Field ID	**00M4MW08**
Date Acquired	**8 Aug 2000 4:38 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	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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

00M4MW08

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5584 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5584.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007735.D

Level: (low/med) LOW Date Received: 8/1/00

% Moisture: not dec. Date Analyzed: 8/8/00

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 #13461

Data File	**VB007736.D**	Sample Name	**5584.06**
Operator	**Skelton**	Field ID	**00M4MW09**
Date Acquired	**8 Aug 2000 5:19 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

00M4MW09

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5584 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5584.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007736.D

Level: (low/med) LOW Date Received: 8/1/00

% Moisture: not dec. Date Analyzed: 8/8/00

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 #13461

Data File	**VB007737.D**	Sample Name	**5584.07**
Operator	**Skelton**	Field ID	**00M4MW10**
Date Acquired	**8 Aug 2000 5:59 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	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

8/15/00 3:08 PM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

00M4MW10

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5584 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5584.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007737.D

Level: (low/med) LOW Date Received: 8/1/00

% Moisture: not dec. Date Analyzed: 8/8/00

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	**BNA04296.D**	Sample Name	**Sblk403**
Operator	**Bhaskar**	Misc Info	**Sblk403 A 000803**
Date Acquired	**3-Aug-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	**BNA04296.D**	Sample Name	**Sblk403**
Operator	**Bhaskar**	Misc Info	**Sblk403 A 000803**
Date Acquired	**3-Aug-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: **Sblk403**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5584 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Sblk403

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04296.D

Level: (low/med) LOW Date Received: 8/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/3/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04303.D**	Sample Name	**5584.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**3-Aug-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	**BNA04303.D**	Sample Name	**5584.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**3-Aug-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.: 5584 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5584.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04303.D

Level: (low/med) LOW Date Received: 8/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/3/00

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	6.89	4	J
2. 022393-98-2	9-Hexadecenoic acid, 9-octadece	33.06	38	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04304.D**	Sample Name	**5584.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**3-Aug-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
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Data File Name	**BNA04304.D**	Sample Name	**5584.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**3-Aug-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.: 5584 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5584.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04304.D

Level: (low/med) LOW Date Received: 8/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/3/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.89	9	J
2. 000105-60-2	Caprolactam	14.22	12	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04305.D**	Sample Name	**5584.04**
Operator	**Bhaskar**	Misc Info	**M4MW07**
Date Acquired	**3-Aug-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
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Data File Name	**BNA04305.D**	Sample Name	**5584.04**
Operator	**Bhaskar**	Misc Info	**M4MW07**
Date Acquired	**3-Aug-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: **M4MW07**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5584 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5584.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04305.D

Level: (low/med) LOW Date Received: 8/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/3/00

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	6.89	5	J
2. 000105-60-2	Caprolactam	14.21	10	JN
3. 002906-55-0	Hexadecanoic acid, 9-octadeceny	27.77	7	JN
4. 022393-99-3	9-Octadecenoic acid (Z)-, 9-hexa	33.08	73	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04306.D**	Sample Name	**5584.05**
Operator	**Bhaskar**	Misc Info	**M4MW08**
Date Acquired	**3-Aug-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
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Data File Name	**BNA04306.D**	Sample Name	**5584.05**
Operator	**Bhaskar**	Misc Info	**M4MW08**
Date Acquired	**3-Aug-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: **M4MW08**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5584 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5584.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04306.D

Level: (low/med) LOW Date Received: 8/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/3/00

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	6.89	5	J
2. 000105-60-2	Caprolactam	14.20	5	JN
3. 000297-03-0	Cyclotetracosane	27.78	8	JN
4. 003687-45-4	9-Octadecenoic acid (Z)-, 9-octad	33.08	70	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04307.D**	Sample Name	**5584.06**
Operator	**Bhaskar**	Misc Info	**M4MW09**
Date Acquired	**4-Aug-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	**BNA04307.D**	Sample Name	**5584.06**
Operator	**Bhaskar**	Misc Info	**M4MW09**
Date Acquired	**4-Aug-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: **M4MW09**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5584 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5584.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04307.D

Level: (low/med) LOW Date Received: 8/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/4/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.89	5	J
2. 000105-60-2	Caprolactam	14.19	4	JN
3. 022393-98-2	9-Hexadecenoic acid, 9-octadece	33.03	7	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04308.D**	Sample Name	**5584.07**
Operator	**Bhaskar**	Misc Info	**M4MW10**
Date Acquired	**4-Aug-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	**BNA04308.D**	Sample Name	**5584.07**
Operator	**Bhaskar**	Misc Info	**M4MW10**
Date Acquired	**4-Aug-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: **M4MW10**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5584 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5584.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04308.D

Level: (low/med) LOW Date Received: 8/1/00

% Moisture: decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/4/00

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	6.89	4	J
2.	unknown	27.77	4	J
3. 003687-45-4	9-Octadecenoic acid (Z)-, 9-octad	33.06	43	JN

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

Client :	U.S. Army	**Lab. ID # :**	PBLK555
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	8/2/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/10/00
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 # :**	5584.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/1/00
	Bldg. 173	**Extraction Date:**	8/2/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/10/00
Analysis:	EPA Method 608	**Location :**	M4 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 # :**	5584.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/1/00
	Bldg. 173	**Extraction Date:**	8/2/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/10/00
Analysis:	EPA Method 608	**Location :**	M4 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 # :**	5584.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/1/00
	Bldg. 173	**Extraction Date:**	8/2/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/10/00
Analysis:	EPA Method 608	**Location :**	M4 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M4MW07
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 # :**	5584.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/1/00
	Bldg. 173	**Extraction Date:**	8/2/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/10/00
Analysis:	EPA Method 608	**Location :**	M4 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M4MW08
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 # :**	5584.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/1/00
	Bldg. 173	**Extraction Date:**	8/2/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/10/00
Analysis:	EPA Method 608	**Location :**	M4 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M4MW09
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 # :**	5584.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/1/00
	Bldg. 173	**Extraction Date:**	8/2/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/10/00
Analysis:	EPA Method 608	**Location :**	M4 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M4MW10
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 #: 5584
Sample Prepared: 08/30/00

Site: M-4

Field ID#: Method Blank

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/30/00	ND	200	10.0
Antimony	08/30/00	3.86	20	2.0
Arsenic	08/30/00	ND	8	2.0
Barium	08/30/00	ND	2000	0.5
Beryllium	08/30/00	ND	20	0.5
Cadmium	08/30/00	ND	4	0.5
Calcium	08/30/00	ND	NLE	20.0
Chromium	08/30/00	ND	100	0.5
Cobalt	08/30/00	ND	NLE	0.5
Copper	08/30/00	ND	1000	2.0
Iron	08/30/00	ND	300	2.0
Lead	08/30/00	ND	10	1.0
Magnesium	08/30/00	ND	NLE	10.0
Manganese	08/30/00	ND	50	0.5
Mercury	08/15/00	ND	2	0.1
Nickel	08/30/00	ND	100	1.0
Potassium	08/30/00	ND	NLE	40.0
Selenium	08/30/00	ND	50	3.0
Silver	08/30/00	ND	20	1.0
Sodium	08/30/00	109	50000	20.0
Thallium	08/30/00	ND	10	2.0
Vanadium	08/30/00	ND	NLE	0.5
Zinc	08/30/00	8.85	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 #: 5584.02
Sample Received: 08/01/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: Field Blank

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/30/00	ND	200	10.0
Antimony	08/30/00	ND	20	2.0
Arsenic	08/30/00	ND	8	2.0
Barium	08/30/00	ND	2000	0.5
Beryllium	08/30/00	ND	20	0.5
Cadmium	08/30/00	ND	4	0.5
Calcium	08/30/00	ND	NLE	20.0
Chromium	08/30/00	ND	100	0.5
Cobalt	08/30/00	ND	NLE	0.5
Copper	08/30/00	ND	1000	2.0
Iron	08/30/00	ND	300	2.0
Lead	08/30/00	ND	10	1.0
Magnesium	08/30/00	ND	NLE	10.0
Manganese	08/30/00	ND	50	0.5
Mercury	08/15/00	ND	2	0.1
Nickel	08/30/00	ND	100	1.0
Potassium	08/30/00	ND	NLE	40.0
Selenium	08/30/00	ND	50	3.0
Silver	08/30/00	ND	20	1.0
Sodium	08/30/00	ND	50000	20.0
Thallium	08/30/00	ND	10	2.0
Vanadium	08/30/00	ND	NLE	0.5
Zinc	08/30/00	9.84	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 #: 5584.03
Sample Received: 08/01/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: Dupe

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/30/00	609	200	10.0
Antimony	08/30/00	4.19	20	2.0
Arsenic	08/30/00	ND	8	2.0
Barium	08/30/00	38.6	2000	0.5
Beryllium	08/30/00	ND	20	0.5
Cadmium	08/30/00	0.770	4	0.5
Calcium	08/30/00	15300	NLE	20.0
Chromium	08/30/00	ND	100	0.5
Cobalt	08/30/00	4.21	NLE	0.5
Copper	08/30/00	ND	1000	2.0
Iron	08/30/00	430	300	2.0
Lead	08/30/00	2.87	10	1.0
Magnesium	08/30/00	4940	NLE	10.0
Manganese	08/30/00	51.6	50	0.5
Mercury	08/15/00	ND	2	0.1
Nickel	08/30/00	7.65	100	1.0
Potassium	08/30/00	1270	NLE	40.0
Selenium	08/30/00	ND	50	3.0
Silver	08/30/00	ND	20	1.0
Sodium	08/30/00	12700	50000	20.0
Thallium	08/30/00	ND	10	2.0
Vanadium	08/30/00	ND	NLE	0.5
Zinc	08/30/00	54.3	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 #: 5584.04
Sample Received: 08/01/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW07

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/30/00	580	200	10.0
Antimony	08/30/00	ND	20	2.0
Arsenic	08/30/00	ND	8	2.0
Barium	08/30/00	39.0	2000	0.5
Beryllium	08/30/00	ND	20	0.5
Cadmium	08/30/00	0.754	4	0.5
Calcium	08/30/00	15700	NLE	20.0
Chromium	08/30/00	ND	100	0.5
Cobalt	08/30/00	4.14	NLE	0.5
Copper	08/30/00	ND	1000	2.0
Iron	08/30/00	314	300	2.0
Lead	08/30/00	1.33	10	1.0
Magnesium	08/30/00	5100	NLE	10.0
Manganese	08/30/00	52.6	50	0.5
Mercury	08/15/00	ND	2	0.1
Nickel	08/30/00	6.94	100	1.0
Potassium	08/30/00	1520	NLE	40.0
Selenium	08/30/00	ND	50	3.0
Silver	08/30/00	ND	20	1.0
Sodium	08/30/00	12400	50000	20.0
Thallium	08/30/00	ND	10	2.0
Vanadium	08/30/00	ND	NLE	0.5
Zinc	08/30/00	49.6	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 #: 5584.05
Sample Received: 08/01/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW08

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/30/00	47.9	200	10.0
Antimony	08/30/00	5.50	20	2.0
Arsenic	08/30/00	ND	8	2.0
Barium	08/30/00	41.2	2000	0.5
Beryllium	08/30/00	ND	20	0.5
Cadmium	08/30/00	ND	4	0.5
Calcium	08/30/00	52700	NLE	20.0
Chromium	08/30/00	1.09	100	0.5
Cobalt	08/30/00	ND	NLE	0.5
Copper	08/30/00	ND	1000	2.0
Iron	08/30/00	16700	300	2.0
Lead	08/30/00	2.27	10	1.0
Magnesium	08/30/00	8440	NLE	10.0
Manganese	08/30/00	152	50	0.5
Mercury	08/15/00	ND	2	0.1
Nickel	08/30/00	ND	100	1.0
Potassium	08/30/00	6170	NLE	40.0
Selenium	08/30/00	ND	50	3.0
Silver	08/30/00	ND	20	1.0
Sodium	08/30/00	13000	50000	20.0
Thallium	08/30/00	ND	10	2.0
Vanadium	08/30/00	0.632	NLE	0.5
Zinc	08/30/00	17.0	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 #: 5584.06
Sample Received: 08/01/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW09

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/30/00	12.0	200	10.0
Antimony	08/30/00	3.65	20	2.0
Arsenic	08/30/00	ND	8	2.0
Barium	08/30/00	47.6	2000	0.5
Beryllium	08/30/00	ND	20	0.5
Cadmium	08/30/00	ND	4	0.5
Calcium	08/30/00	37800	NLE	20.0
Chromium	08/30/00	ND	100	0.5
Cobalt	08/30/00	ND	NLE	0.5
Copper	08/30/00	22.6	1000	2.0
Iron	08/30/00	6010	300	2.0
Lead	08/30/00	1.90	10	1.0
Magnesium	08/30/00	5430	NLE	10.0
Manganese	08/30/00	15.6	50	0.5
Mercury	08/15/00	ND	2	0.1
Nickel	08/30/00	1.17	100	1.0
Potassium	08/30/00	7170	NLE	40.0
Selenium	08/30/00	ND	50	3.0
Silver	08/30/00	ND	20	1.0
Sodium	08/30/00	3170	50000	20.0
Thallium	08/30/00	ND	10	2.0
Vanadium	08/30/00	ND	NLE	0.5
Zinc	08/30/00	18.6	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 #: 5584.07
Sample Received: 08/01/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW10

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/30/00	13.9	200	10.0
Antimony	08/30/00	5.07	20	2.0
Arsenic	08/30/00	ND	8	2.0
Barium	08/30/00	117	2000	0.5
Beryllium	08/30/00	ND	20	0.5
Cadmium	08/30/00	ND	4	0.5
Calcium	08/30/00	26900	NLE	20.0
Chromium	08/30/00	0.895	100	0.5
Cobalt	08/30/00	ND	NLE	0.5
Copper	08/30/00	ND	1000	2.0
Iron	08/30/00	30900	300	2.0
Lead	08/30/00	8.01	10	1.0
Magnesium	08/30/00	3450	NLE	10.0
Manganese	08/30/00	103	50	0.5
Mercury	08/15/00	ND	2	0.1
Nickel	08/30/00	1.16	100	1.0
Potassium	08/30/00	7520	NLE	40.0
Selenium	08/30/00	ND	50	3.0
Silver	08/30/00	ND	20	1.0
Sodium	08/30/00	7270	50000	20.0
Thallium	08/30/00	ND	10	2.0
Vanadium	08/30/00	0.692	NLE	0.5
Zinc	08/30/00	46.2	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

	Lab	Acetone	Naphthalene	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Silver	Sodium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	NLE	900	200	300	10	50	20	50000	-
05/06/1997	FMETL	ND	0.34	5.96	1500	160	ND	90	21	58300	V,S,P,M
08/15/1997	FMETL	ND	ND	61	620	820	ND	81	ND	55150	V,S,P,M
10/24/1997	FMETL	ND	ND	2.28	559	2491	20	50.3	ND	17860	V,S,P,M
02/18/1998	FMETL	ND	ND	8.18	538	163	ND	40.7	ND	27110	V,S,P,M
05/06/1998	FMETL	ND	ND	ND	962	1621	ND	24.9	ND	19310	V,S,P,M
07/09/1998	FMETL	ND	ND	ND	969	3770	7.96	39.7	ND	28500	V,S,P,M
10/29/1998	FMETL	8.46	ND	ND	582	1830	ND	53.6	ND	29300	V,S,P,M
02/04/1999	FMETL	ND	ND	ND	474	442	ND	39.7	ND	21500	V,S,P,M
04/23/1999	FMETL	7.39	ND	ND	606	305	ND	71.2	ND	26400	V,S,P,M
07/06/1999	FMETL	ND	ND	ND	377	554	ND	41.3	ND	39700	V,S,P,M
10/05/1999	FMETL	ND	ND	ND	527	731	ND	55.2	ND	20500	V,S,P,M
01/11/2000	FMETL	ND	ND	ND	411	315	ND	41.7	ND	29600	V,S,P,M
05/01/2000	FMETL	ND	ND	ND	646	392	57.8	44.9	ND	13300	V,S,P,M
08/01/2000	FMETL	ND	ND	ND	580	314	1.33	52.6	ND	12400	V,S,P,M
08/01/2000D	FMETL	ND	ND	ND	609	430	2.87	51.6	ND	12700	V,S,P,M

SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 08/01/2000

NOTES:

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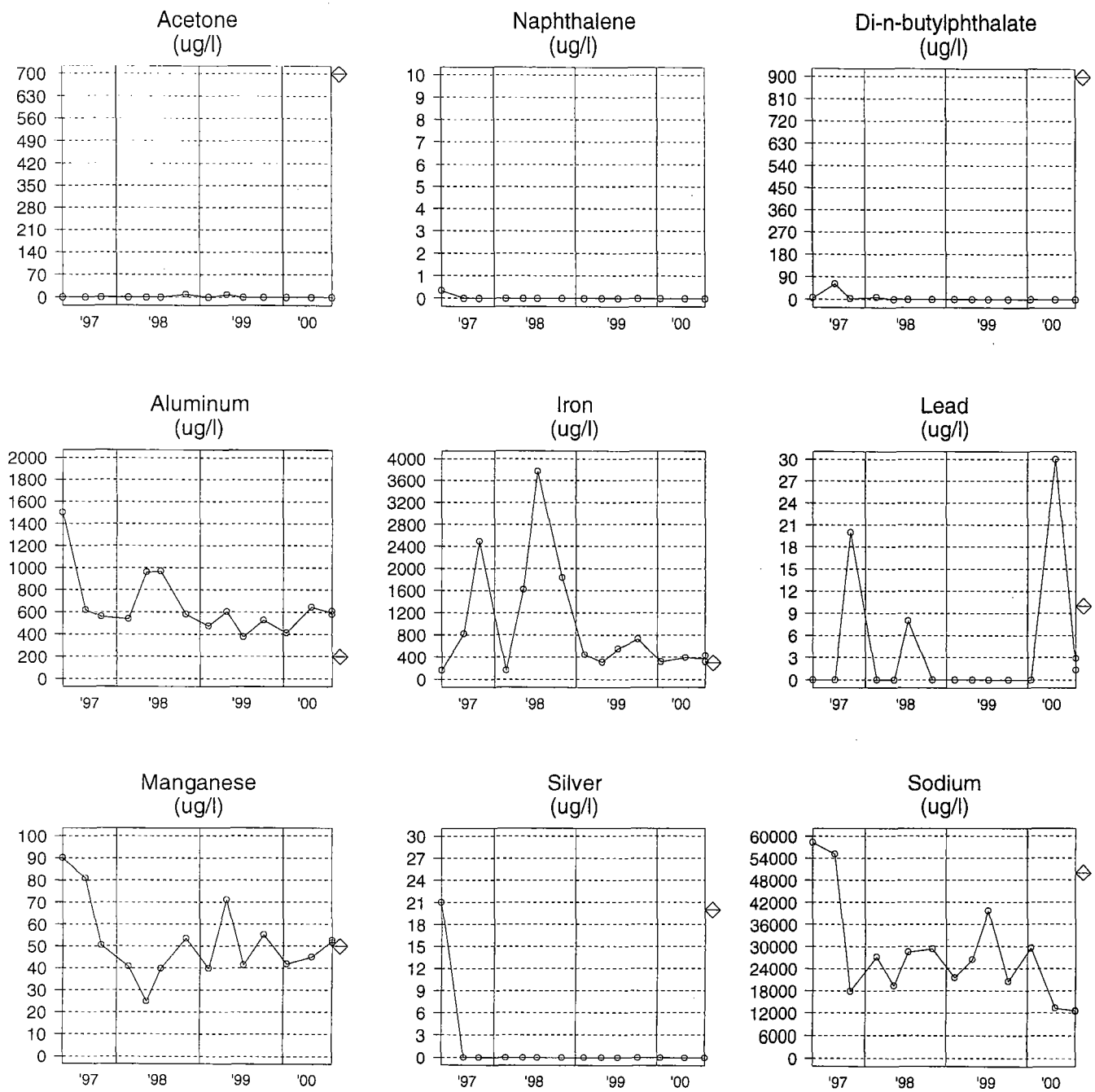
Page 1 of 2.

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 4

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



SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 08/01/2000

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 4, Graph

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

08-31-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Antimony	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	20	200	NLE	100	NLE	NLE	5000	-		-
05/06/1997	FMETL	-	-	-	-	-	-	-	7.70		V,S,P,M
08/15/1997	FMETL	1.1	100	15440	89	7070	300	42	9.15		V,S,P,M
10/24/1997	FMETL	ND	83.6	9680	1.8	5530	ND	75	9.70		V,S,P,M
02/18/1998	FMETL	ND	32.4	13760	ND	4070	ND	46	6.40		V,S,P,M
05/06/1998	FMETL	ND	18.5	8562	1.4	2882	3.2	12.8	6.92		V,S,P,M
07/09/1998	FMETL	5.45	28.1	11100	ND	3230	5.34	66.5	8.63		V,S,P,M
10/29/1998	FMETL	3.96	94.7	14500	1.22	6780	ND	23.7	9.97		V,S,P,M
02/04/1999	FMETL	ND	29.5	11000	4.28	3540	ND	42.2	7.41		V,S,P,M
04/23/1999	FMETL	ND	26.6	12800	2.70	3950	ND	35.2	7.86		V,S,P,M
07/06/1999	FMETL	ND	44.6	14400	2.78	4160	ND	38.3	9.20		V,S,P,M
10/05/1999	FMETL	3.27	52.7	15800	3.11	4980	ND	52.6	8.94		V,S,P,M
01/11/2000	FMETL	ND	35	12500	ND	4150	ND	49.5	8.15		V,S,P,M
05/01/2000	FMETL	ND	27.8	14000	5.78	4710	ND	513	7.51		V,S,P,M
08/01/2000	FMETL	ND	39.0	15700	ND	5100	ND	49.6	8.08		V,S,P,M
08/01/2000D	FMETL	4.19	38.6	15300	ND	4940	ND	54.3	8.08		V,S,P,M

SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 08/01/2000

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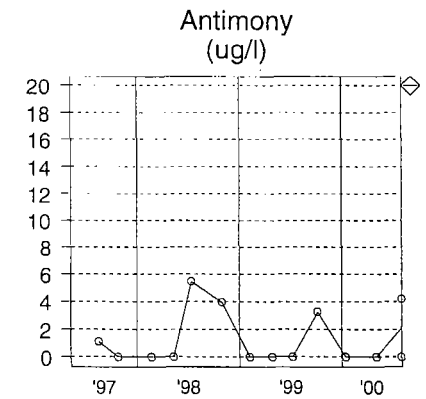
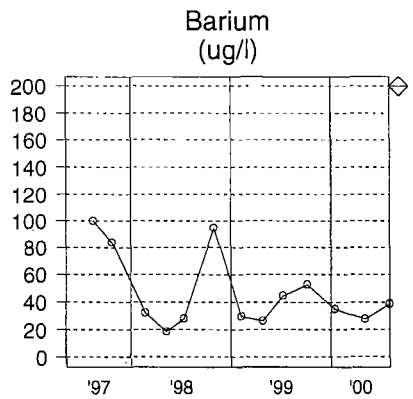
FORT MONMOUTH

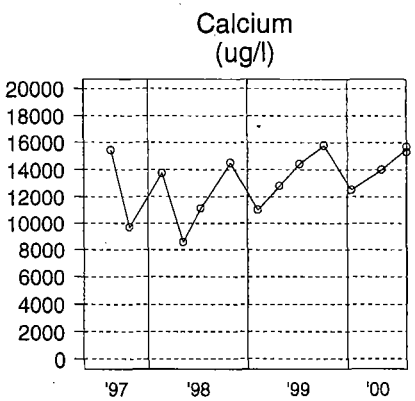
GW MONITORING
Bldg M-4

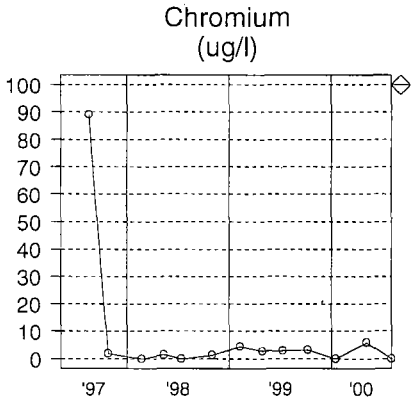
Well 1 of 4

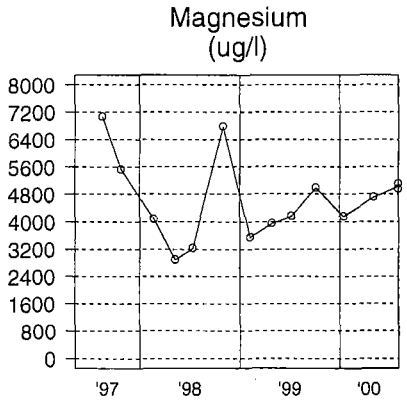
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

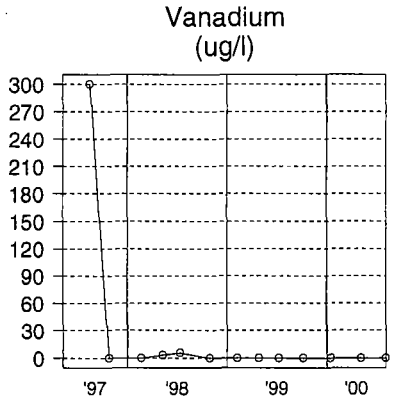


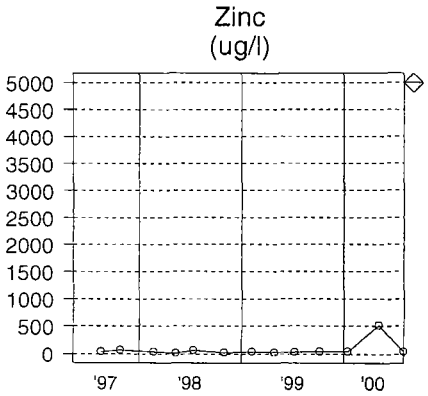


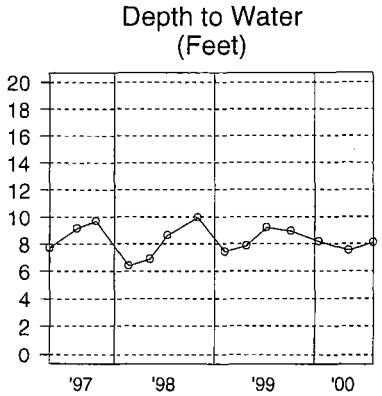












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Sampling Dates:
05/06/1997 - 08/01/2000

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PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 1 of 4, Graph

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

08-31-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Acetone	2-But anone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	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	900	200	300	10	50	50000	20	-
05/06/1997	FMETL	ND	ND	11.67	35	13900	ND	119	10100	-	V,S,P,M
08/15/1997	FMETL	ND	ND	56	344	13760	ND	125	10750	1.3	V,S,P,M
10/24/1997	FMETL	ND	ND	ND	113	11060	18	107	15360	ND	V,S,P,M
02/18/1998	FMETL	ND	ND	10.8	128	14930	ND	121	11960	ND	V,S,P,M
05/06/1998	FMETL	ND	ND	ND	203	34950	ND	135	13560	ND	V,S,P,M
07/09/1998	FMETL	ND	ND	ND	293	24900	2.7	158	8970	4.72	V,S,P,M
10/29/1998	FMETL	13.01	ND	ND	15.8	15400	ND	135	19600	5.36	V,S,P,M
02/04/1999	FMETL	ND	ND	ND	942	112000	ND	160	17400	2.92	V,S,P,M
04/23/1999	FMETL	8.64	ND	1.20	3520	393000	8.35	402	17200	7.05	V,S,P,M
07/06/1999	FMETL	ND	4.20	ND	1020	54200	3.46	152	30400	ND	V,S,P,M
10/05/1999	FMETL	ND	ND	ND	176	21800	ND	149	13800	ND	V,S,P,M
01/11/2000	FMETL	ND	ND	ND	170	49400	ND	167	15000	ND	V,S,P,M
05/01/2000	FMETL	ND	ND	ND	132	73800	ND	164	12800	ND	V,S,P,M
08/01/2000	FMETL	ND	ND	ND	47.9	16700	2.27	152	13000	5.50	V,S,P,M

SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 08/01/2000

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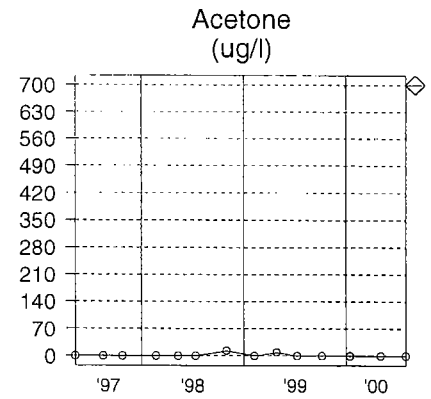
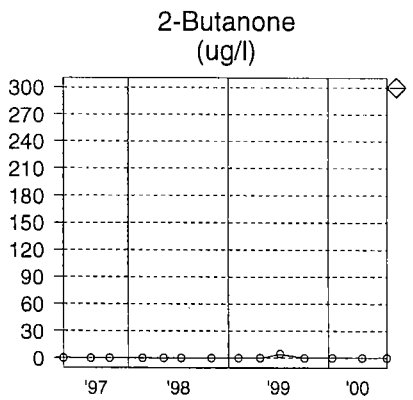
FORT MONMOUTH

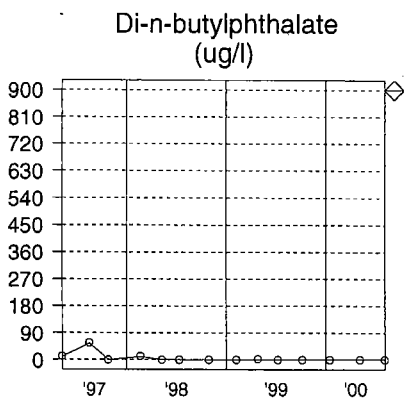
GW MONITORING
Bldg M-4

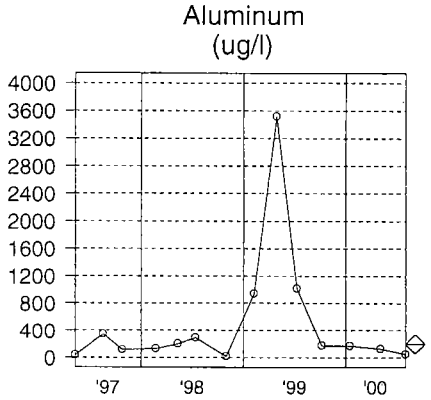
Well 2 of 4

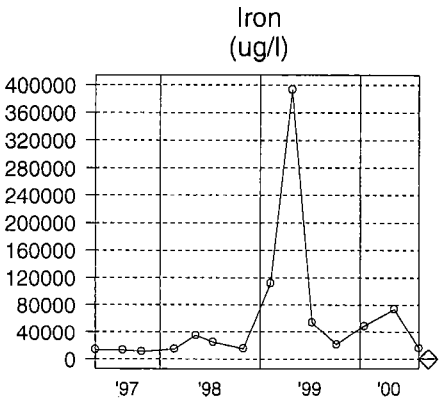
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

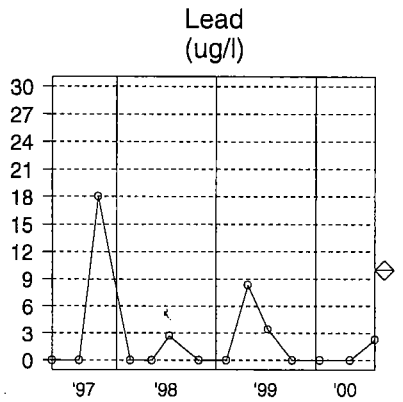


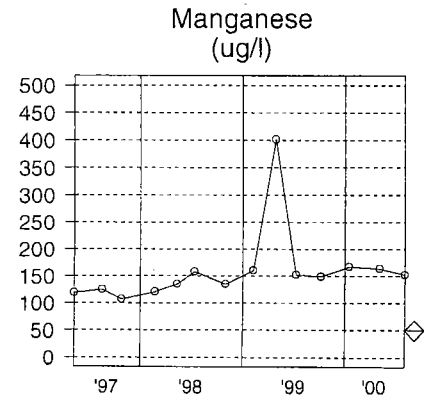


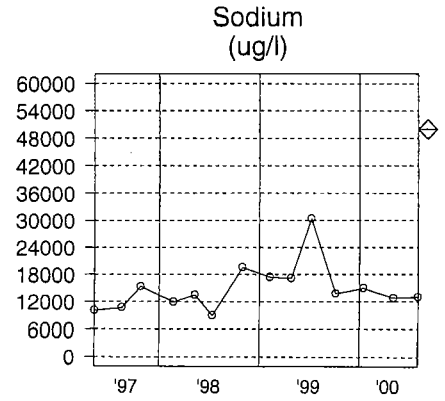


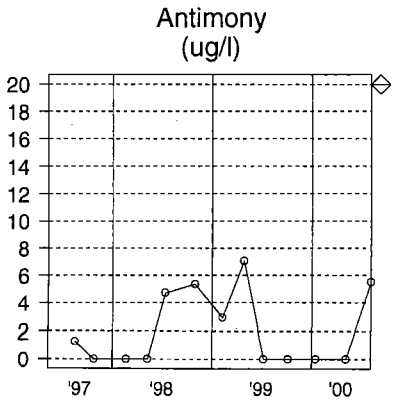












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Sampling Dates:
05/06/1997 - 08/01/2000

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NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 4, Graph

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

08-31-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	NLE	100	NLE	NLE	5000	-			-
05/06/1997	FMETL	-	-	-	-	-	-	6.50			V,S,P,M
08/15/1997	FMETL	70	33340	90	5840	300	ND	6.90			V,S,P,M
10/24/1997	FMETL	29.5	35680	1.2	6120	ND	53	7.60			V,S,P,M
02/18/1998	FMETL	36	38960	ND	5950	ND	12	5.95			V,S,P,M
05/06/1998	FMETL	74	38520	ND	6460	1.5	4.8	6.18			V,S,P,M
07/09/1998	FMETL	81.1	54000	ND	7590	1.49	66.7	6.76			V,S,P,M
10/29/1998	FMETL	40.9	45500	ND	8070	ND	ND	7.53			V,S,P,M
02/04/1999	FMETL	176	77600	9.36	7600	4.05	87.5	7.08			V,S,P,M
04/23/1999	FMETL	990	54800	22.3	7670	11.4	294	7.20			V,S,P,M
07/06/1999	FMETL	405	37500	8.89	7650	5.90	109	7.51			V,S,P,M
10/05/1999	FMETL	54.9	42400	4.16	6680	ND	20.2	6.80			V,S,P,M
01/11/2000	FMETL	173	44300	2.77	7160	1.54	42.1	7.31			V,S,P,M
05/01/2000	FMETL	217	40600	3.34	6990	2.63	14.9	6.94			V,S,P,M
08/01/2000	FMETL	41.2	52700	1.09	8440	0.632	17.0	7.28			V,S,P,M

SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 08/01/2000

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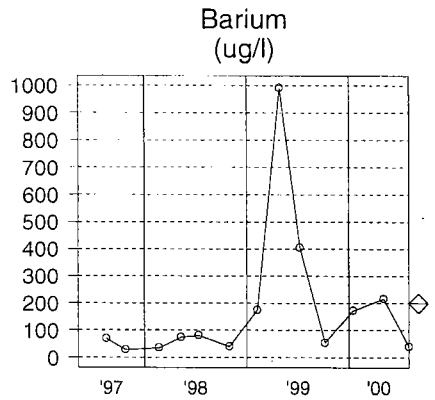
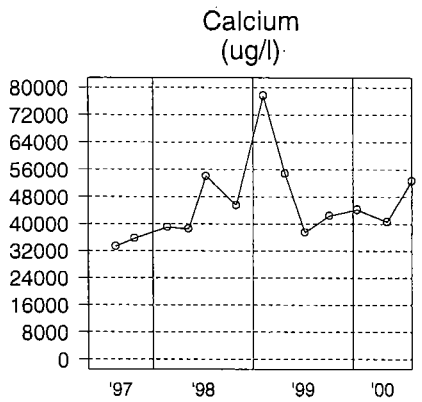
FORT MONMOUTH

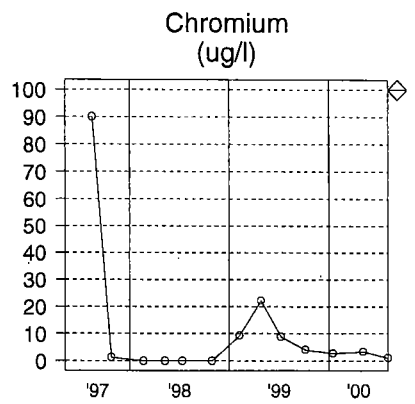
GW MONITORING
Bldg M-4

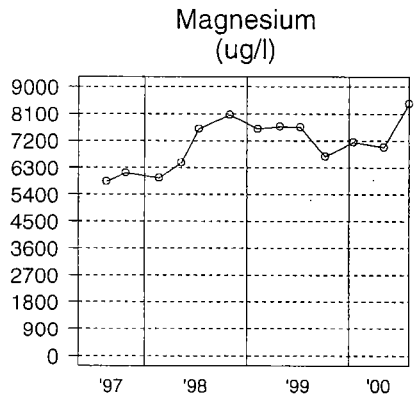
Well 2 of 4

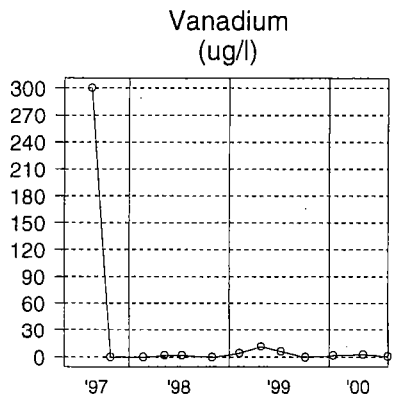
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

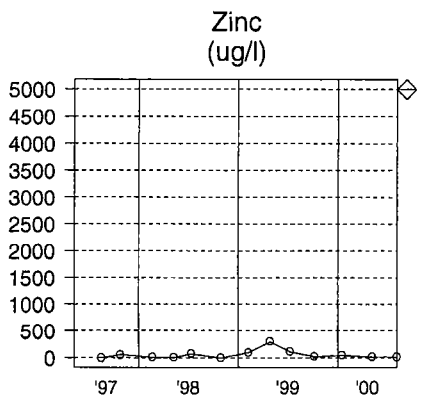


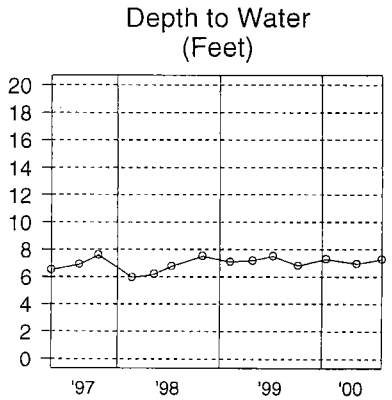












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Sampling Dates:
05/06/1997 - 08/01/2000

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 2 of 4, Graph

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

08-31-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Acetone	2-But anone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	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	900	200	300	10	50	50000	20	-
05/06/1997	FMETL	ND	ND	3.04	91	37000	ND	68	8300	-	V,S,P,M
08/15/1997	FMETL	ND	ND	50.5	101.6	7170	ND	64	8270	ND	V,S,P,M
10/24/1997	FMETL	ND	ND	11.1	107	14650	9.0	76.5	9800	ND	V,S,P,M
02/18/1998	FMETL	ND	ND	5.14	80	6019	ND	66	8370	ND	V,S,P,M
05/06/1998	FMETL	ND	ND	ND	ND	19630	ND	90.5	9376	ND	V,S,P,M
07/09/1998	FMETL	ND	ND	ND	21.2	15500	12.2	58.2	8140	6.52	V,S,P,M
10/29/1998	FMETL	16.17	5.72	ND	ND	14000	ND	41.9	8190	6.52	V,S,P,M
02/04/1999	FMETL	ND	ND	ND	ND	13100	ND	114	8170	ND	V,S,P,M
04/23/1999	FMETL	7.59	ND	ND	ND	11100	ND	53.7	7480	ND	V,S,P,M
04/23/1999D	FMETL	8.87	ND	ND	ND	12700	ND	72.2	7360	ND	V,S,P,M
07/06/1999	FMETL	5.92	6.32	ND	ND	12900	ND	18.2	6040	ND	V,S,P,M
10/05/1999	FMETL	ND	ND	ND	34.0	8800	ND	47.2	7630	ND	V,S,P,M
01/11/2000	FMETL	ND	ND	ND	ND	9480	ND	53.7	7630	ND	V,S,P,M
05/01/2000	FMETL	ND	ND	ND	ND	8800	ND	46.3	5760	ND	V,S,P,M
08/01/2000	FMETL	ND	ND	ND	12.0	6010	1.90	15.6	3170	3.65	V,S,P,M

SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 08/01/2000

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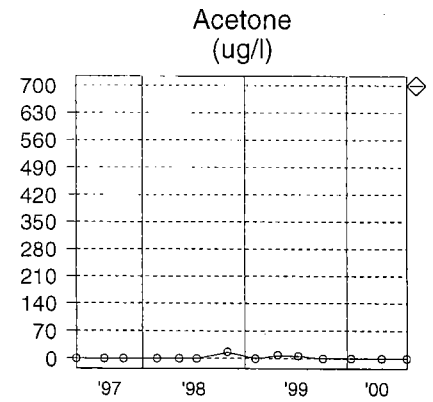
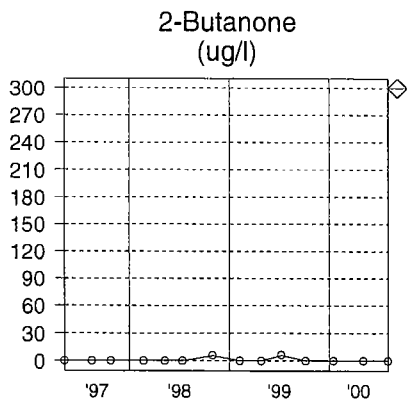
FORT MONMOUTH

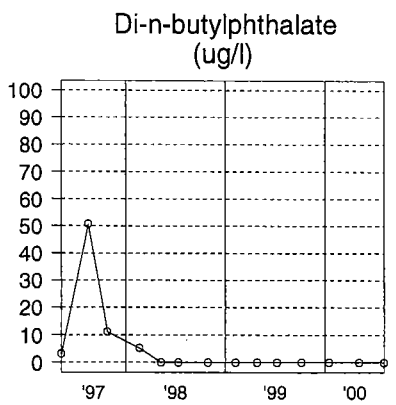
GW MONITORING
Bldg M-4

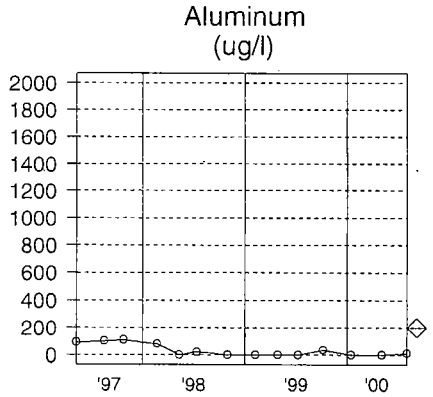
Well 3 of 4

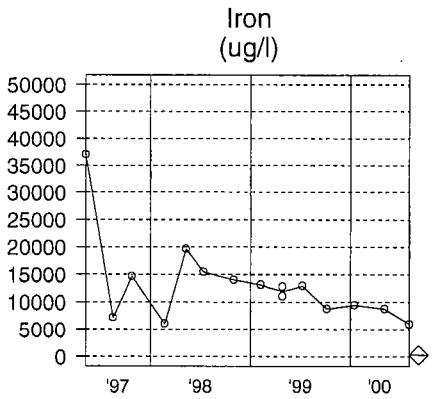
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

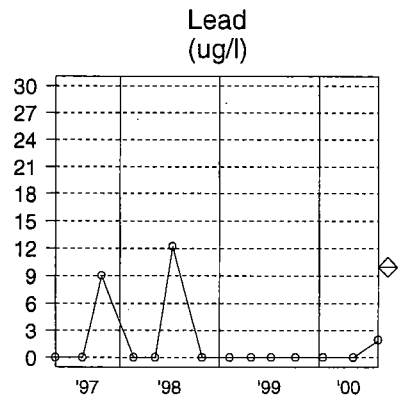


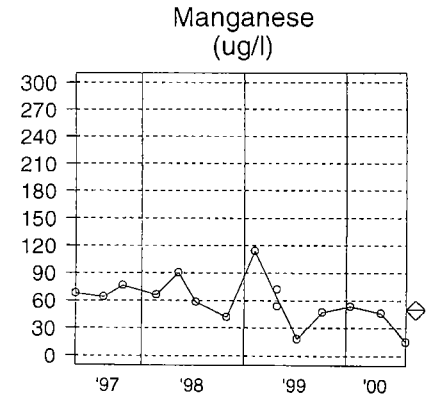


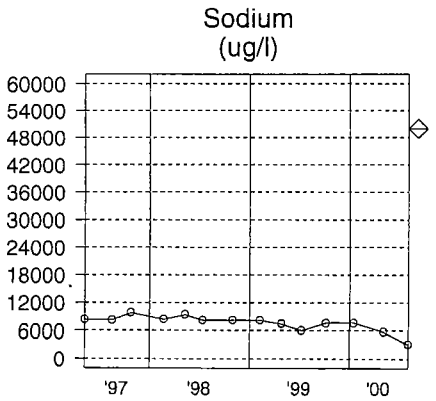


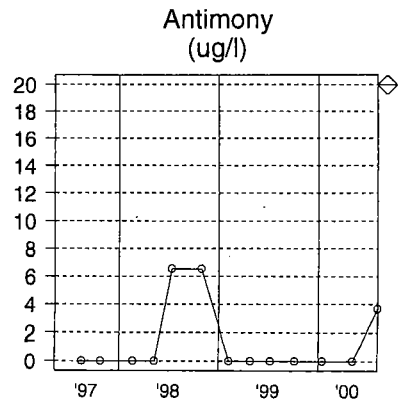












SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 08/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 4, Graph

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

08-31-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	NLE	100	NLE	NLE	5000	-			-
05/06/1997	FMETL	-	-	-	-	-	-	5.40			V,S,P,M
08/15/1997	FMETL	130	40010	68	6070	300	ND	6.10			V,S,P,M
10/24/1997	FMETL	46.7	42140	1.4	5340	ND	52	6.75			V,S,P,M
02/18/1998	FMETL	42	44320	ND	5840	ND	43	4.99			V,S,P,M
05/06/1998	FMETL	80	44510	ND	6243	ND	5.9	5.31			V,S,P,M
07/09/1998	FMETL	278	45500	ND	5650	ND	98.6	6.12			V,S,P,M
10/29/1998	FMETL	72.4	43700	ND	5480	ND	ND	6.88			V,S,P,M
02/04/1999	FMETL	66.7	44100	ND	5960	ND	18.5	6.18			V,S,P,M
04/23/1999	FMETL	62.5	40400	2.15	5830	ND	18.7	5.94			V,S,P,M
04/23/1999D	FMETL	66.2	38800	2.38	5820	ND	26.6	5.94			V,S,P,M
07/06/1999	FMETL	72.2	40900	2.18	5760	ND	25.3	6.68			V,S,P,M
10/05/1999	FMETL	58.7	44200	2.16	5640	ND	12.0	5.71			V,S,P,M
01/11/2000	FMETL	49	40900	ND	5810	ND	14.6	6.15			V,S,P,M
05/01/2000	FMETL	59.9	37900	ND	5600	ND	4.17	5.54			V,S,P,M
08/01/2000	FMETL	47.6	37800	ND	5430	ND	18.6	5.91			V,S,P,M

SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 08/01/2000

NOTES:

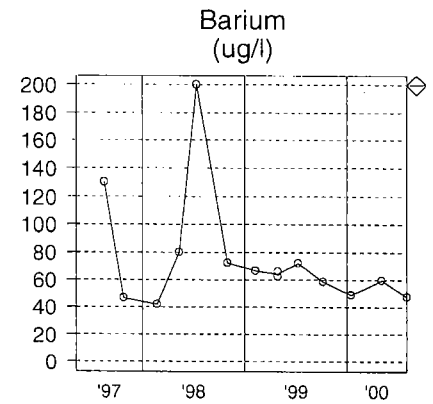
Silver in blank > Criteria in May 97
Page 2 of 2.

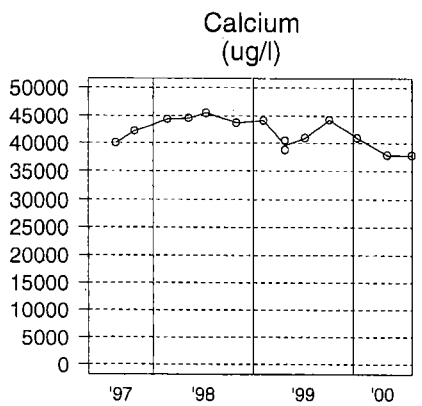
FORT MONMOUTH

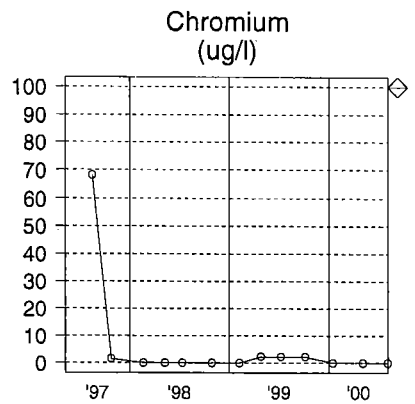
GW MONITORING
Bldg M-4

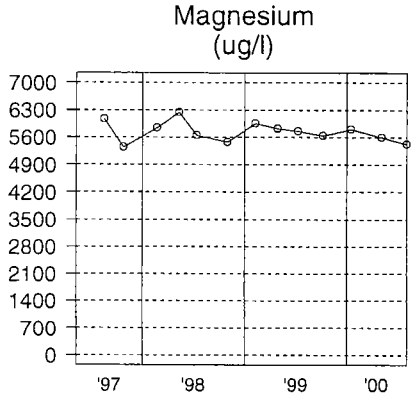
Well 3 of 4

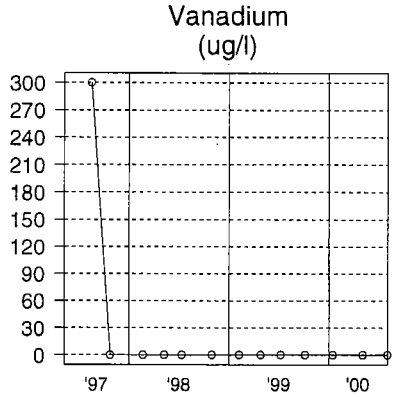
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

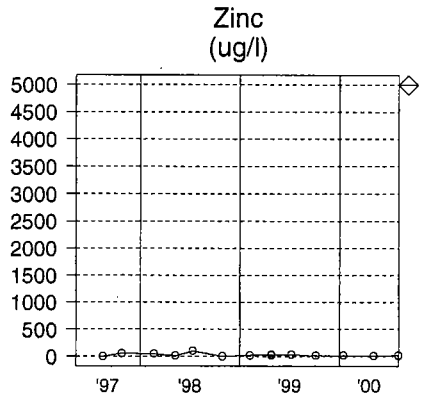


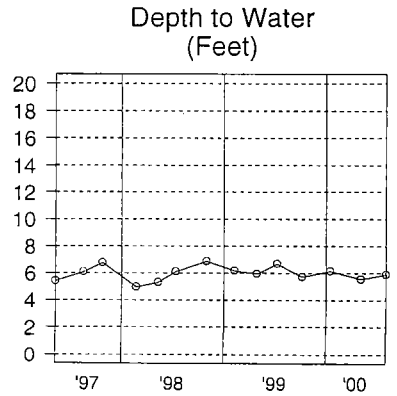












SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 08/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 3 of 4, Graph

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

08-31-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Aluminum	Iron	Lead	Manganese	Sodium	Antimony	Barium	Calcium	Chromium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	200	300	10	50	50000	20	200	NLE	100	-
01/11/2000	FMETL	79	29500	ND	113	9650	ND	109	29400	ND	V,S,P,M
05/01/2000	FMETL	31.3	64300	ND	124	10800	ND	516	31900	2.28	V,S,P,M
08/01/2000	FMETL	13.9	30900	8.01	103	7270	5.07	117	26900	0.895	V,S,P,M

SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 08/01/2000

NOTES:

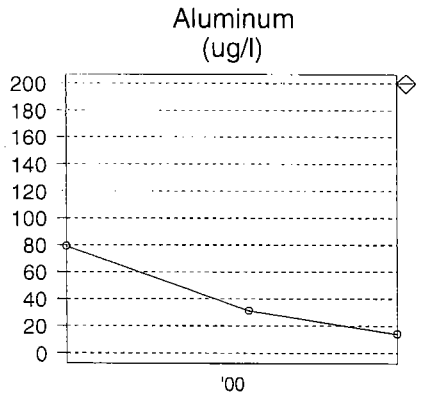
Silver in blank > Criteria in May 97
Page 1 of 2

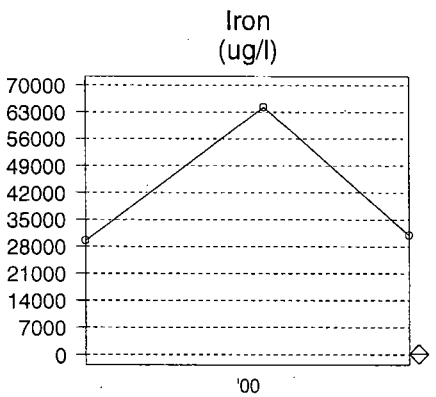
FORT MONMOUTH

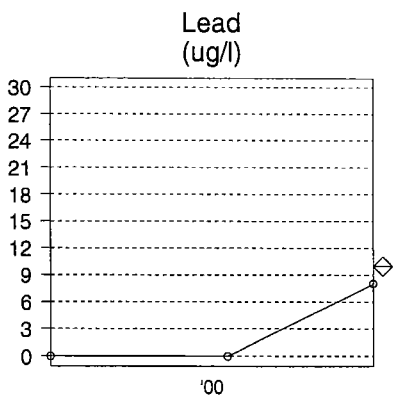
GW MONITORING
Bldg M-4

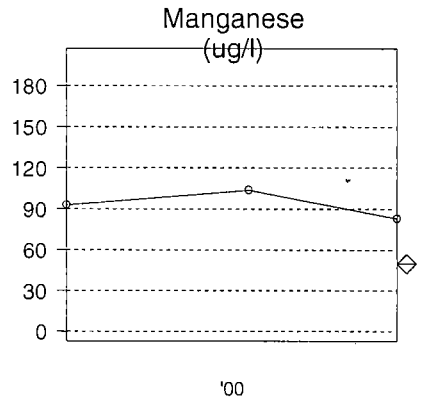
Well 4 of 4

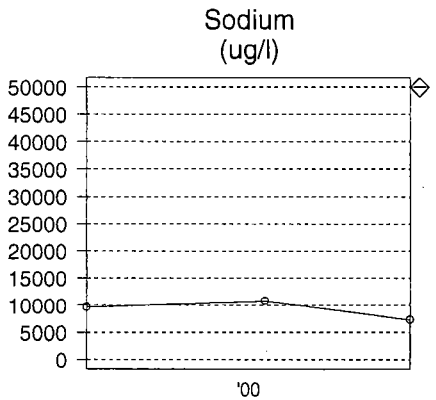
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

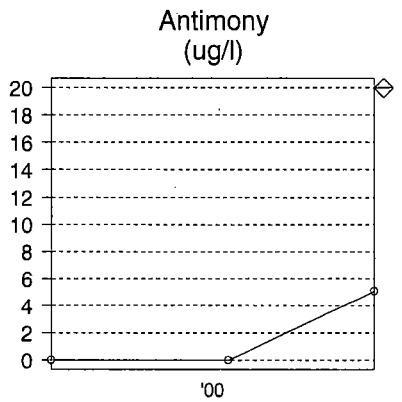


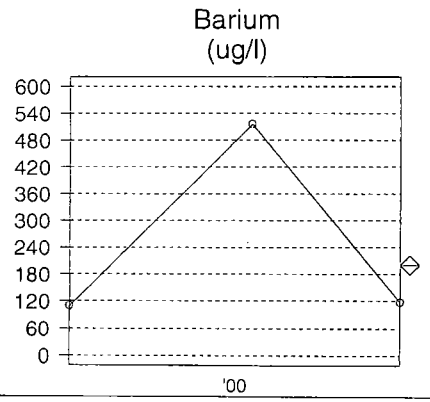


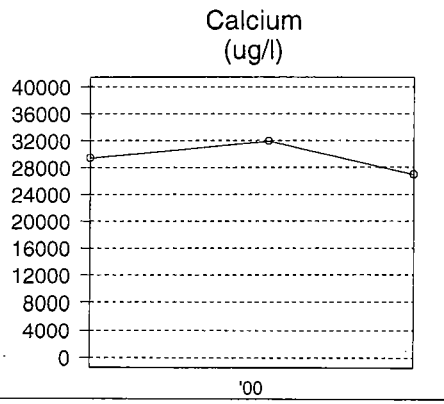


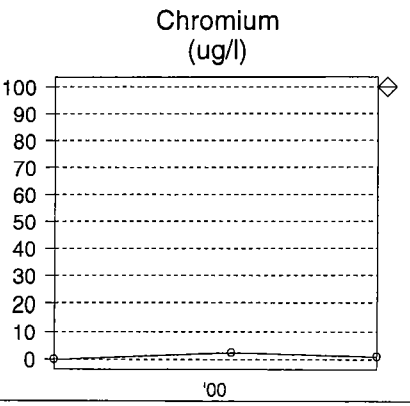












SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 08/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Well 4 of 4, Graph

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

08-31-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Magnesium	Vanadium	Zinc	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	NLE	NLE	5000	-						-
01/11/2000	FMETL	3570	ND	74.7	8.61						V,S,P,M
05/01/2000	FMETL	3760	2.10	17.1	8.81						V,S,P,M
08/01/2000	FMETL	3450	0.692	46.2	8.37						V,S,P,M

SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 08/01/2000

NOTES:

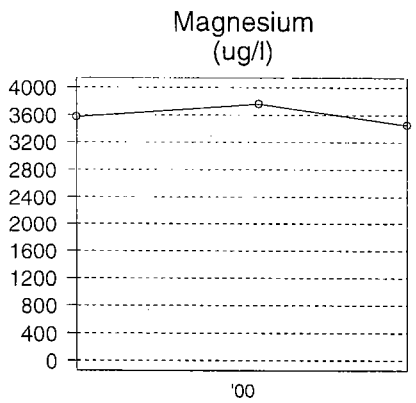
Silver in blank > Criteria in May 97
Page 2 of 2

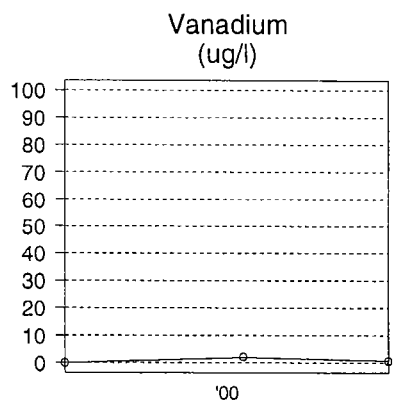
FORT MONMOUTH

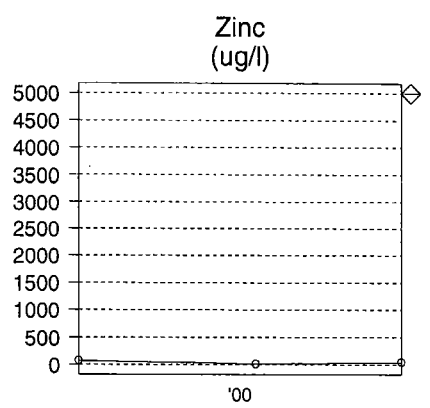
GW MONITORING
Bldg M-4

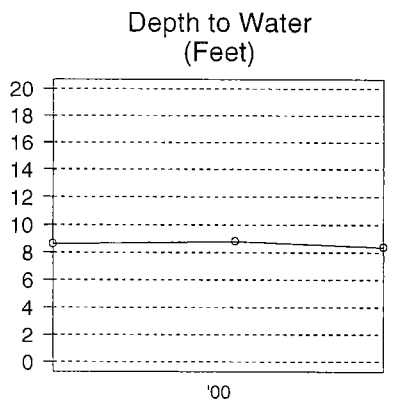
Well 4 of 4

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









SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 08/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

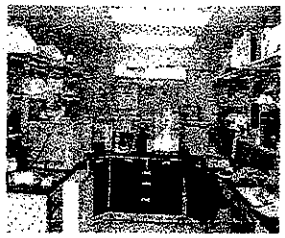
Well 4 of 4, Graph

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

08-31-2000 x:\mtech46\fm\m-4\gw\m4.wsf

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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



ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring
Low Flow/Round I

SAMPLE LOCATION AND IDENTIFICATION

SITE: M-4

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5631.02	00M4MW07	29-32571	08/15/00
5631.03	00M4MW08	29-32572	08/15/00
5631.04	00M4MW09	29-32573	08/15/00
5631.05	00M4MW10	29-41644	08/15/00

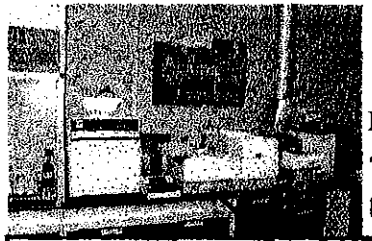
NJDEP Laboratory Certification # 13461

9-8-00
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 #: 26623
(✓)DERA ( )OMA ( )Other:_____

Project No: LOW FLOW
Location: M-4 LANDFILL

Samplers Name / Company: MARK LAURA - TUS - PWS 07

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: TAL METALS								Remarks / Preservation Method
1	F.B.	8-15-00	0830	AQ	1	X								HNO3
2	M4MW07	"	0955	"	"	"								"
3	M4MW08	"	1130	"	"	"								"
4	M4MW09	"	1359	"	"	"								"
5	M4MW10	"	1529	"	"	"								"
6	F.D.	"	—	"	"	"								"

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	8-15-00 1545	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

Coc.xls8/8/00

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4 Landfill
MW#: 00M4MW07
NJDEP ID#29-32571
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Mark Laura
DATE: 08/15/00
WEATHER: Overcast, rain.
TIDE: N/A
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 2.4 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: 7.0 ft**
DEPTH OF WELL: 17.61 ft
DEPTH TO TOP OF SCREEN: 7.61 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 250 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: 08:45
pH 3.95 su
TEMP 17.93 °C
DISSOLVED O_2 0.89 mg/L
SPECIFIC CONDUCTIVITY 262.9 ms/cm

PURGE END TIME: 09:56
pH 3.87 su
TEMP 18.26 °C
DISSOLVED O_2 1.02 mg/L
SPECIFIC CONDUCTIVITY 232.4 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 7.0 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 09:51
pH 3.87 su
TEMP 18.26 °C
DISSOLVED O_2 1.01 mg/L
SPECIFIC CONDUCTIVITY 231.7 ms/cm

SAMPLE END TIME: 09:55
ANALYTES: TAL Metals
COMMENTS: Heavy recent rain events.

FIELD READINGS

M4MW07
NJDEP ID#: 29-32571
DATE: 08/15/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
8:50	3.95	17.93	227.4	262.9	0.89	8.15	7.32	250	Clear
8:55	3.78	18.05	209.9	242	1.01	7.38	7.32	250	Clear
9:00	3.82	18.16	206.3	237.3	1.02	7.53	7.32	250	Clear
9:05	3.83	18.12	205.2	236.3	1.03	6.88	7.32	250	Clear
9:10	3.83	18.12	205.4	236.4	1.01	5.51	7.32	250	Clear
9:15	3.84	18.15	205.8	236.8	1.01	6.11	7.32	250	Clear
9:20	3.85	18.15	205	235.9	1	4.1	7.32	250	Clear
9:25	3.85	18.1	205.5	236.7	1	4.27	7.32	250	Clear
9:30	3.85	18.16	204.3	235	1	3.73	7.32	250	Clear
9:35	3.86	18.22	203.9	234.3	1.01	3.23	7.32	250	Clear
9:40	3.87	18.27	203.3	233.3	1.01	3.28	7.32	250	Clear
9:45	3.87	18.23	202.3	232.4	1.02	3.29	7.32	250	Clear
9:50	3.87	18.26	201.9	231.7	1.01	3.25	7.32	250	Clear

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
850	8.15	7.32	250
855	7.38	7.32	250
900	7.53	7.32	250
905	6.88	7.32	250
910	5.51	7.32	250
915	6.11	7.32	250
920	4.1	7.32	250
925	4.27	7.32	250
930	3.73	7.32	250
935	3.23	7.32	250
940	3.28	7.32	250
945	3.29	7.32	250

M4mw07

M4MW07 Low Flow Data

Temp., Sp. Cond., Cond., D.O., pH

-- Data Report --

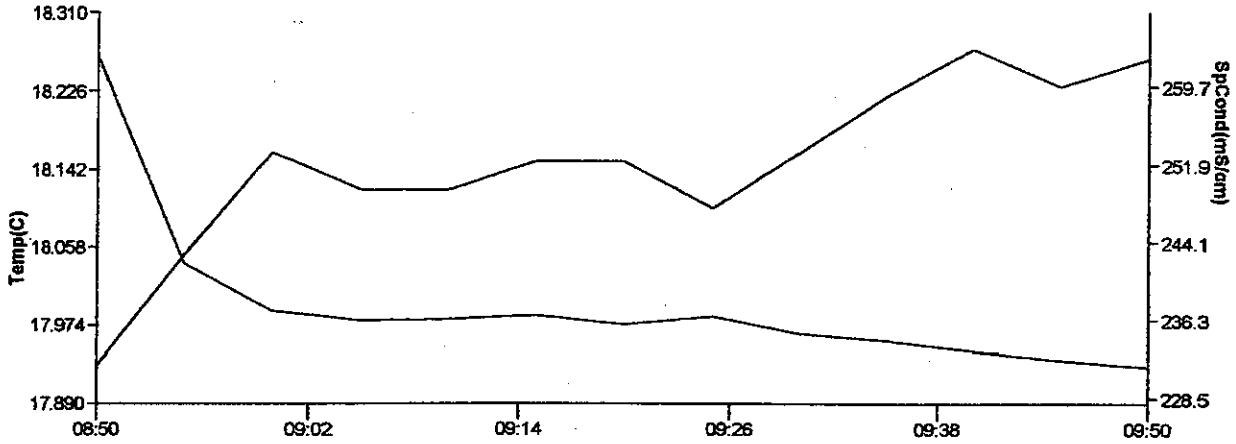
From 08/15/00 08:50 to 08/15/00 09:50

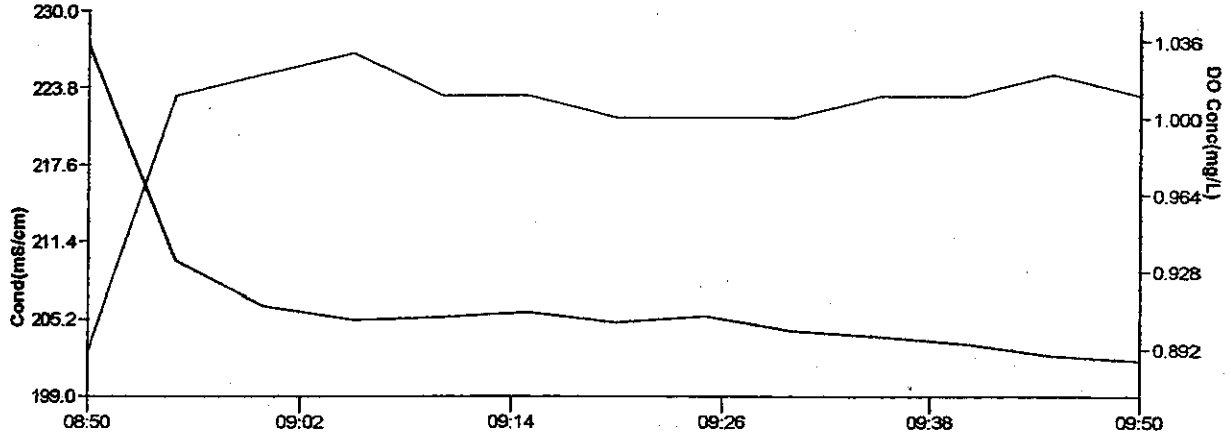
Number of samples: 13

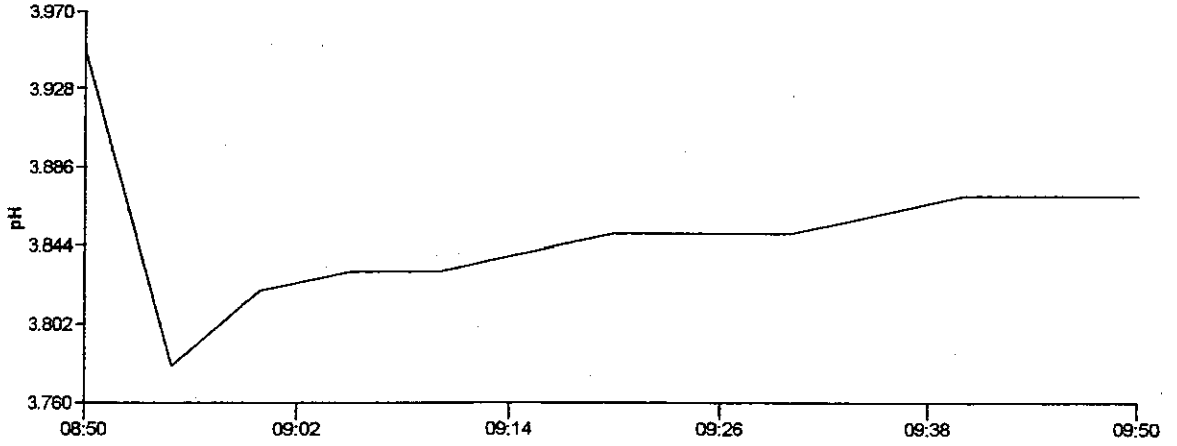
8/15/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
08/15/00 08:50	17.93	262.900	227.400	0.89	3.95
08/15/00 08:55	18.05	242.000	209.900	1.01	3.78
08/15/00 09:00	18.16	237.300	206.300	1.02	3.82
08/15/00 09:05	18.12	236.300	205.200	1.03	3.83
08/15/00 09:10	18.12	236.400	205.400	1.01	3.83
08/15/00 09:15	18.15	236.800	205.800	1.01	3.84
08/15/00 09:20	18.15	235.900	205.000	1.00	3.85
08/15/00 09:25	18.10	236.700	205.500	1.00	3.85
08/15/00 09:30	18.16	235.000	204.300	1.00	3.85
08/15/00 09:35	18.22	234.300	203.900	1.01	3.86
08/15/00 09:40	18.27	233.300	203.300	1.01	3.87
08/15/00 09:45	18.23	232.400	202.300	1.02	3.87
08/15/00 09:50	18.26	231.700	201.900	1.01	3.87

M4MW07 Low Flow Data

Temp., Sp. Cond., Cond., D.O., pH





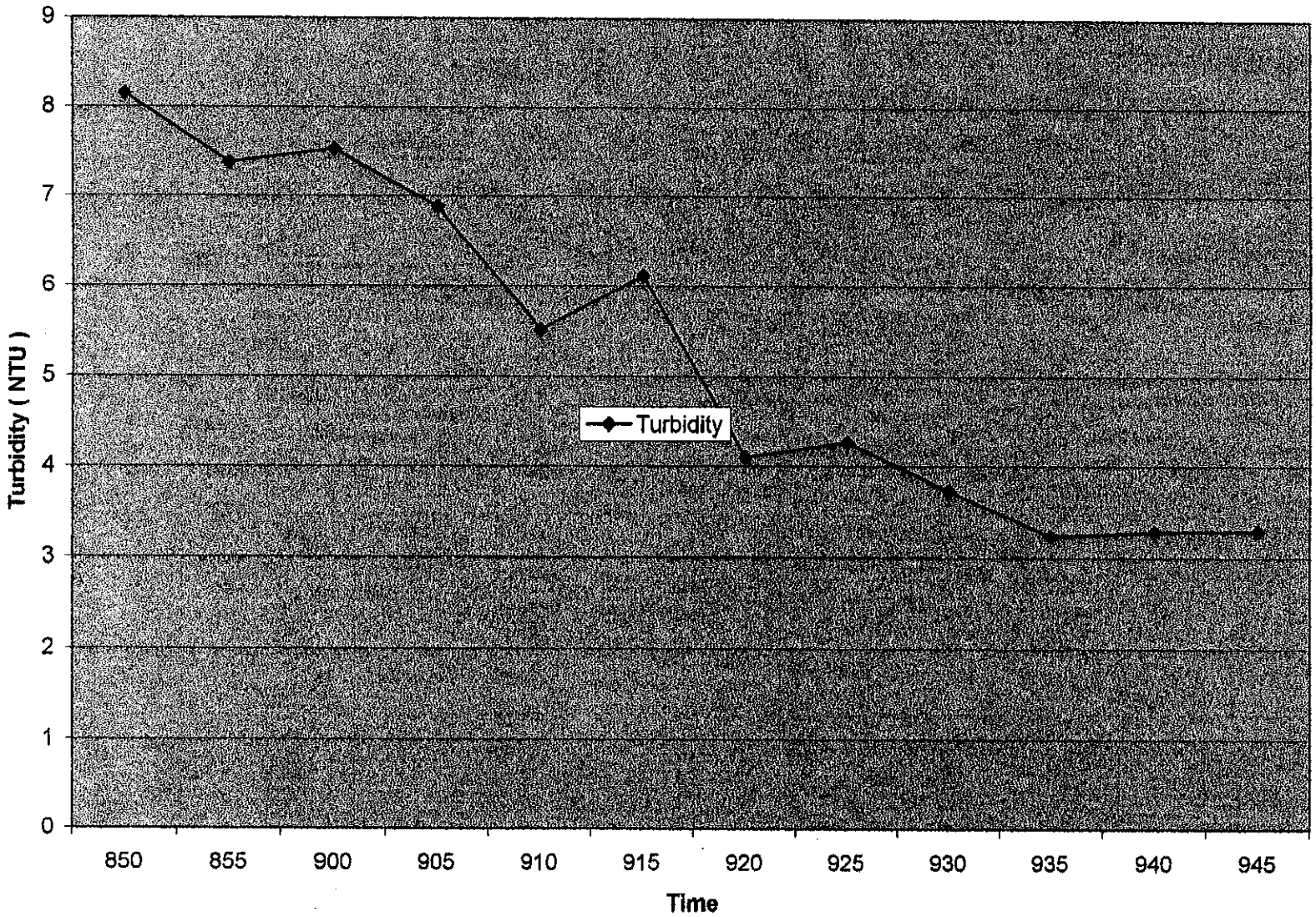


08/15/00 08/15/00 08/15/00 08/15/00 08/15/00 08/15/00

8/15/00

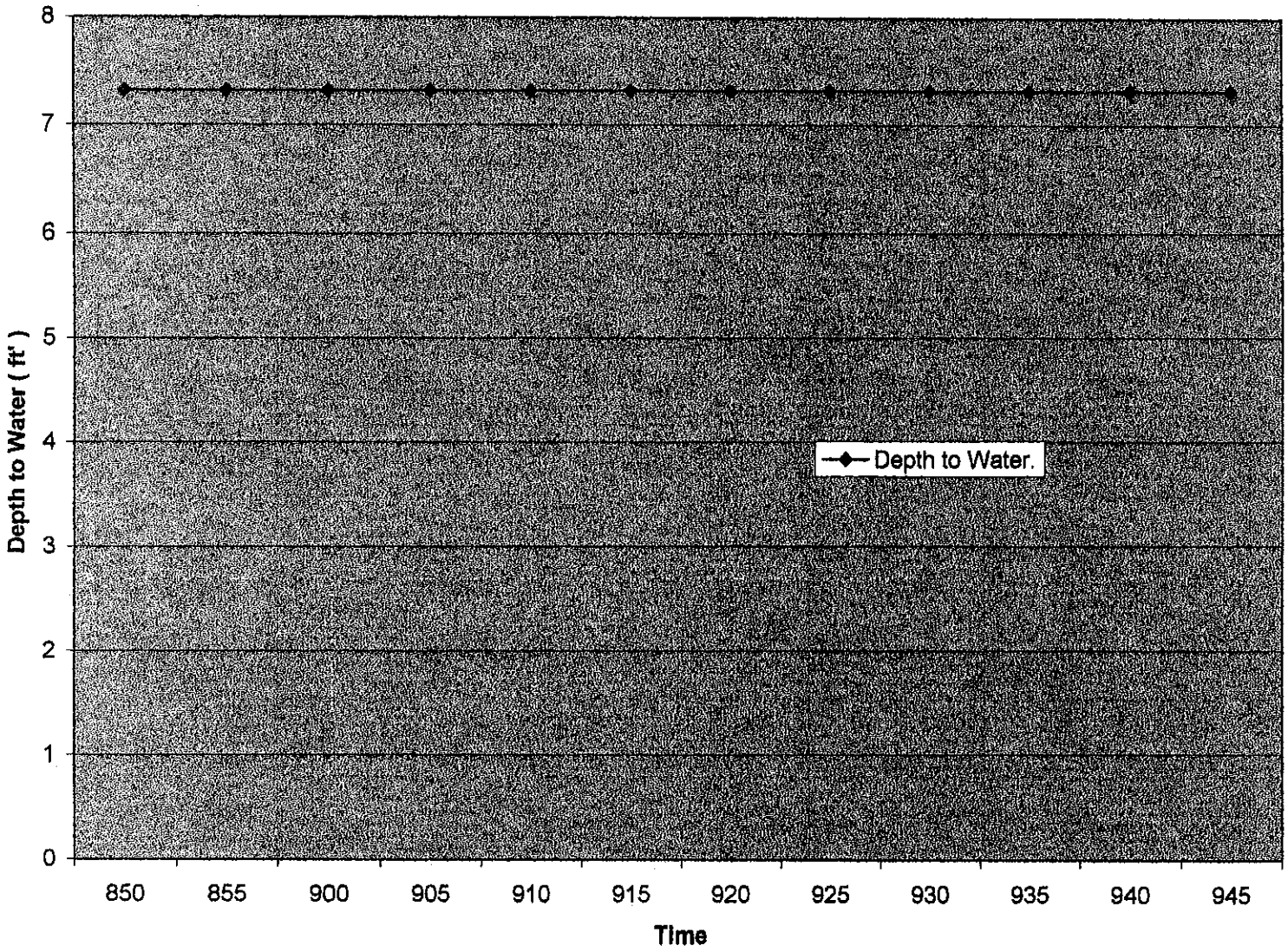
M4MW7
Permit # 29-32571
8/15/00

Turbidity



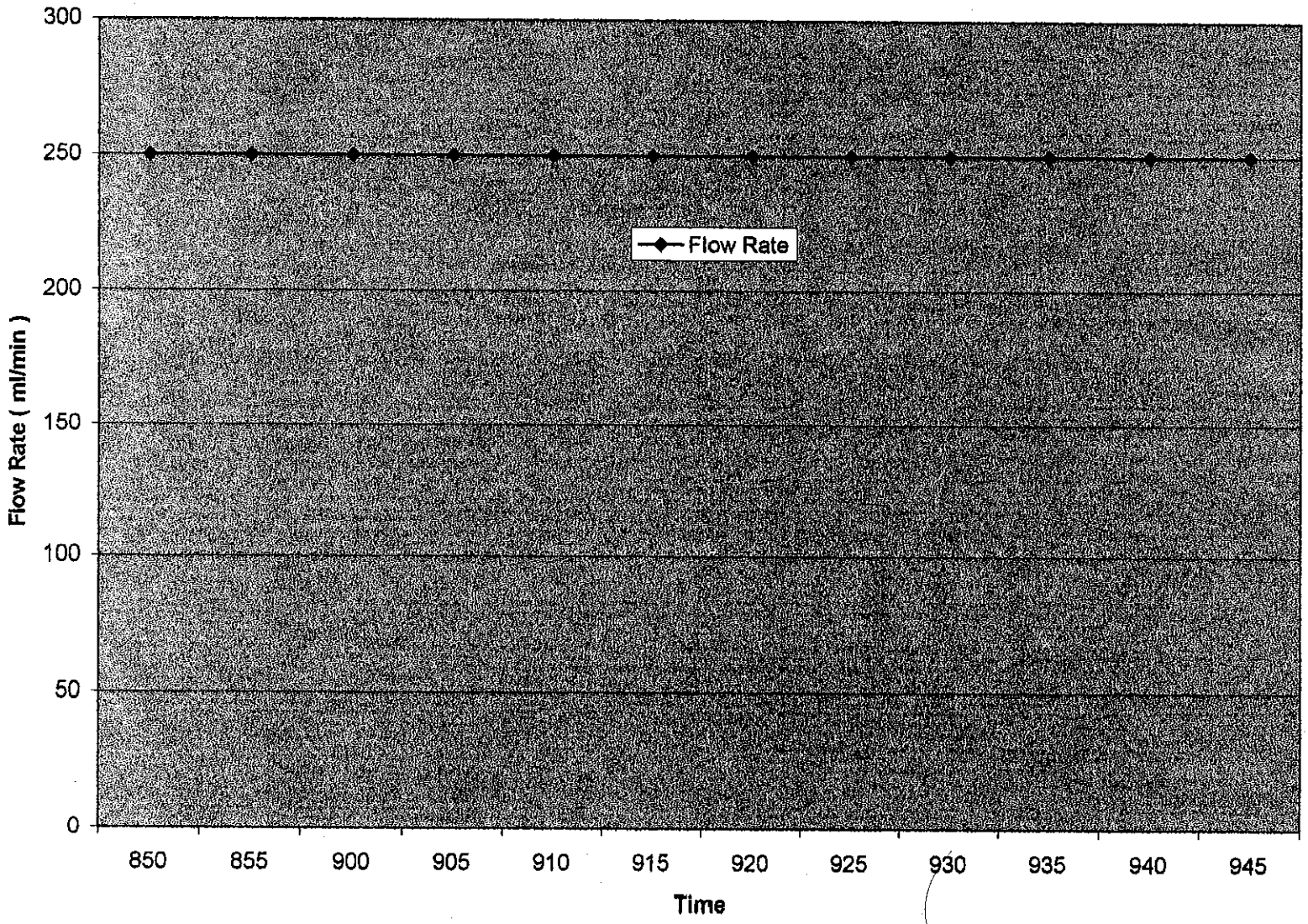
M4MW7
Permit #: 29-32571
8/15/00

Depth to Water.



M4MW7
Permit #: 29-32571
8/15/00

Flow Rate



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4 Landfill
MW#: 00M4MW08
NJDEP ID#29-32572
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Mark Laura
DATE: 08/15/00
WEATHER: Overcast.
TIDE: Slack-Start outgoing @10:45.
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 2.4 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: 6.65 ft
Before Purge Start: 6.65 ft **Previous Day: 6.60 ft** **After Sampling: 6.70 ft**
DEPTH OF WELL: 19.90 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE:15 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: 10:20
pH 5.71 su
DISSOLVED O_2 0.11 mg/L
TEMP 16.44 °C
SPECIFIC CONDUCTIVITY 315.8 ms/cm

PURGE END TIME: 11:36
pH 6.03 su
DISSOLVED O_2 0.02 mg/L
TEMP 16.78 °C
SPECIFIC CONDUCTIVITY 313.8 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 7.0 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 11:38
pH 6.03 su
DISSOLVED O_2 0.02 mg/L
TEMP 16.76 °C
SPECIFIC CONDUCTIVITY 313.5 ms/cm

SAMPLE END TIME: 11:40
ANALYTES: TAL Metals
COMMENTS: Heavy recent rain events.

FIELD READINGS

M4MW08
NJDEP ID#: 29-32572
DATE: 08/15/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
10:25	5.71	16.44	264.2	315.8	0.11	2.55	6.92	300	Clear
10:30	5.87	16.54	264.9	316	0.06	1.04	7.2	300	Clear
10:35	5.96	16.61	265.7	316.4	0.05	1	7.22	300	Clear
10:40	5.99	16.69	265.9	316.1	0.04	1.64	7.22	300	Clear
10:45	6	16.6	264.3	314.8	0.04	2.44	7.23	300	Clear
10:50	6.01	16.81	264.9	314	0.03	2.11	7.22	300	Clear
10:55	6.02	16.82	265.2	314.3	0.03	2.1	7.22	300	Clear
11:00	6.02	16.8	264.4	313.5	0.03	2.4	7.22	300	Clear
11:05	6.03	16.82	264.8	313.9	0.03	2.1	7.23	300	Clear
11:10	6.03	16.8	264.8	314	0.02	2.1	7.22	300	Clear
11:25	6.03	16.79	265.2	314.5	0.02	1.6	7.23	300	Clear
11:20	6.03	16.78	264.5	313.8	0.02	1.7	7.23	300	Clear
11:25	6.03	16.76	264.1	313.5	0.02	1.6	7.23	300	Clear

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1025	2.55	6.92	300
1030	1.04	7.2	300
1035	1	7.22	300
1040	1.64	7.22	300
1045	2.44	7.23	300
1050	2.11	7.22	300
1055	2.1	7.22	300
1100	2.4	7.22	300
1105	2.1	7.23	300
1110	2.1	7.22	300
1115	1.6	7.23	300
1120	1.7	7.23	300

M4mw08

M4MW08 Low Flow Data

Temp., Sp. Cond., Cond., D.O., pH

-- Data Report --

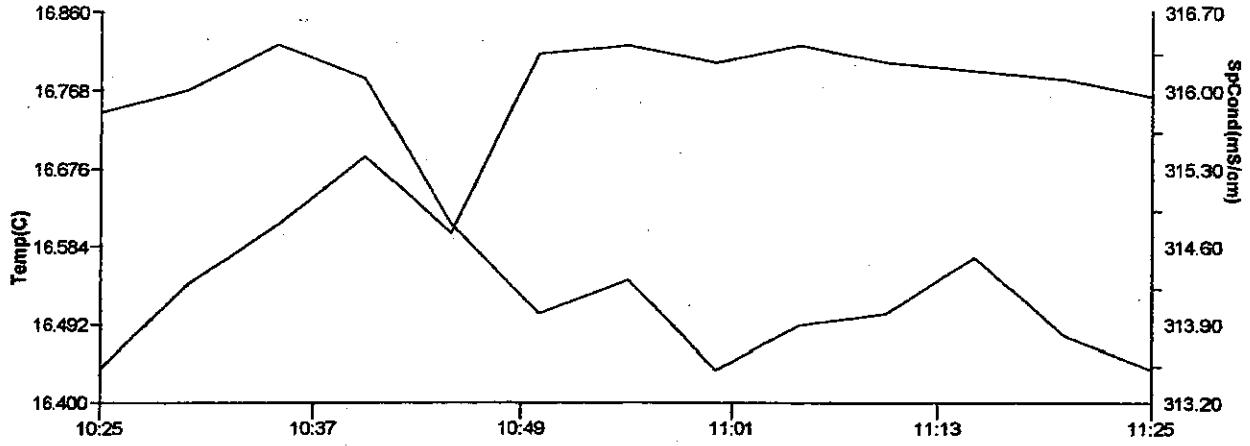
From 08/15/00 10:25 to 08/15/00 11:25

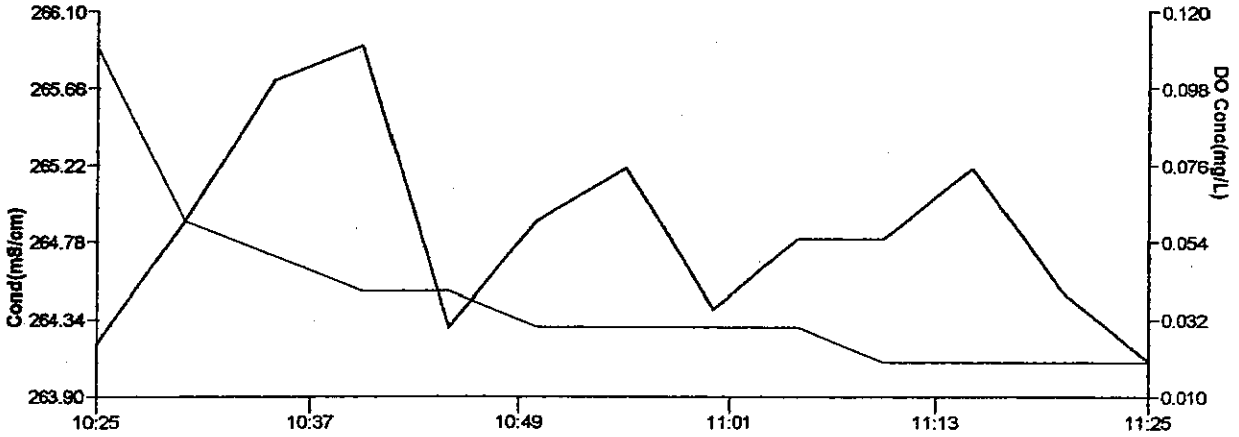
Number of samples: 13

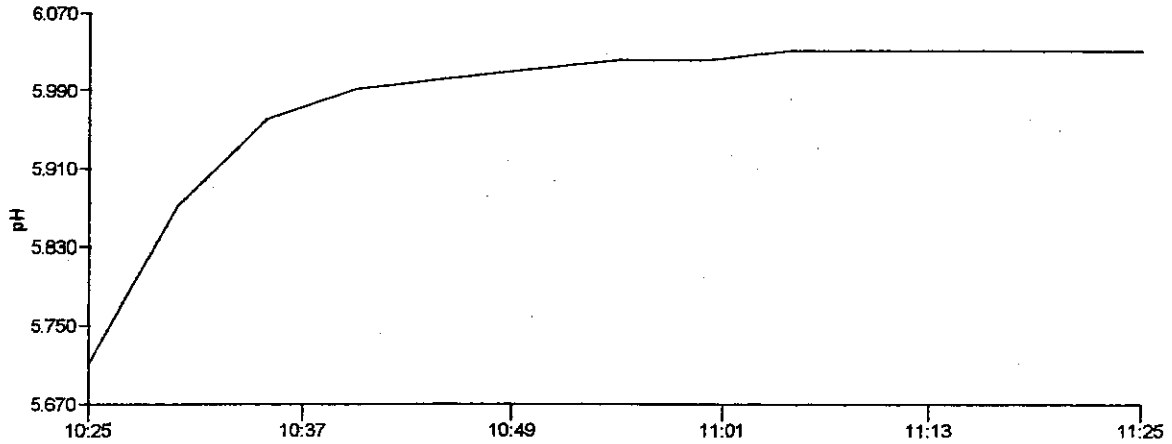
8/15/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
08/15/00 10:25	16.44	315.800	264.200	0.11	5.71
08/15/00 10:30	16.54	316.000	264.900	0.06	5.87
08/15/00 10:35	16.61	316.400	265.700	0.05	5.96
08/15/00 10:40	16.69	316.100	265.900	0.04	5.99
08/15/00 10:45	16.60	314.800	264.300	0.04	6.00
08/15/00 10:50	16.81	314.000	264.900	0.03	6.01
08/15/00 10:55	16.82	314.300	265.200	0.03	6.02
08/15/00 11:00	16.80	313.500	264.400	0.03	6.02
08/15/00 11:05	16.82	313.900	264.800	0.03	6.03
08/15/00 11:10	16.80	314.000	264.800	0.02	6.03
08/15/00 11:15	16.79	314.500	265.200	0.02	6.03
08/15/00 11:20	16.78	313.800	264.500	0.02	6.03
08/15/00 11:25	16.76	313.500	264.100	0.02	6.03

M4MW08 Low Flow Data

Temp., Sp. Cond., Cond., D.O., pH





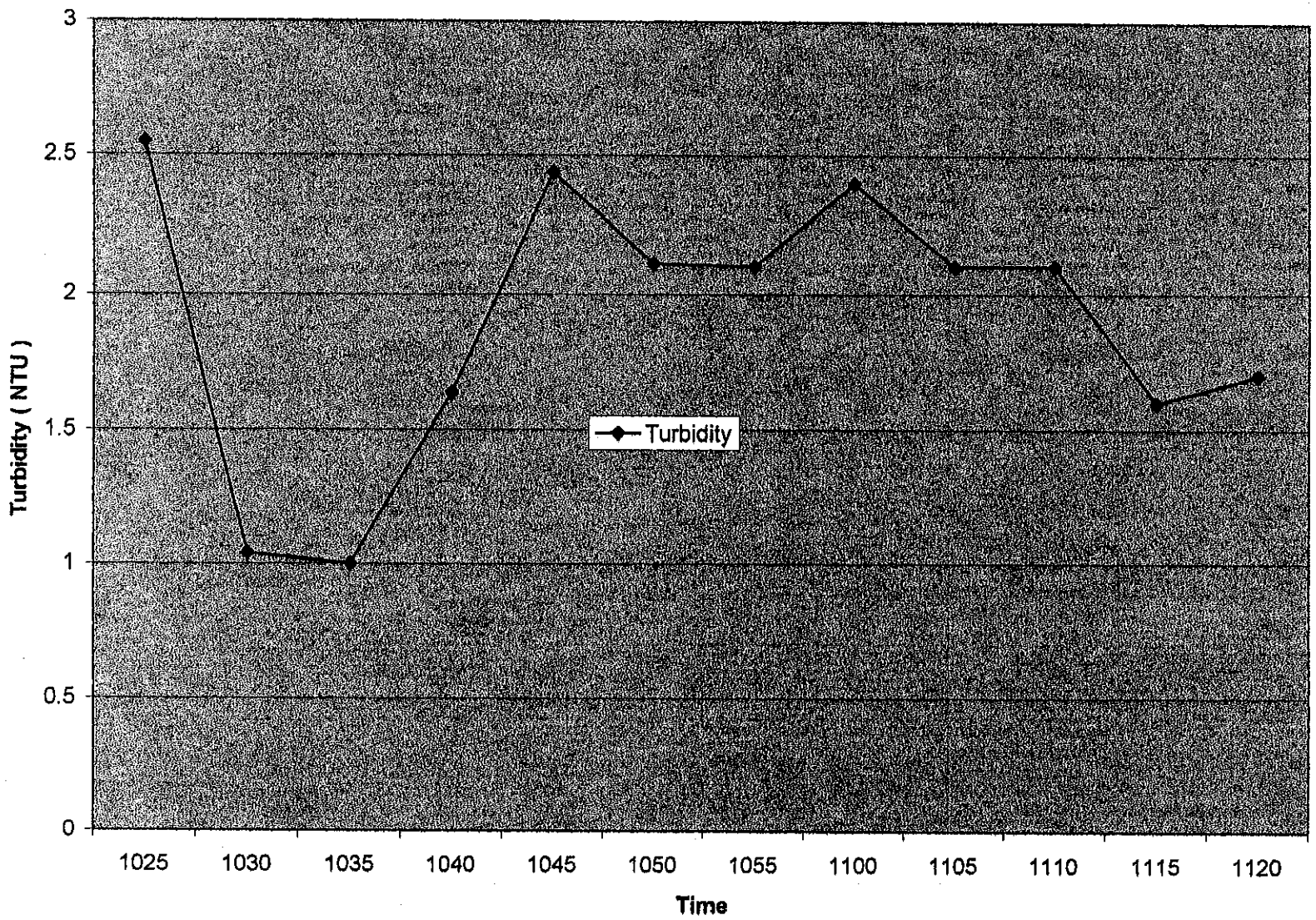


08/15/00 08/15/00 08/15/00 08/15/00 08/15/00 08/15/00

8/15/00

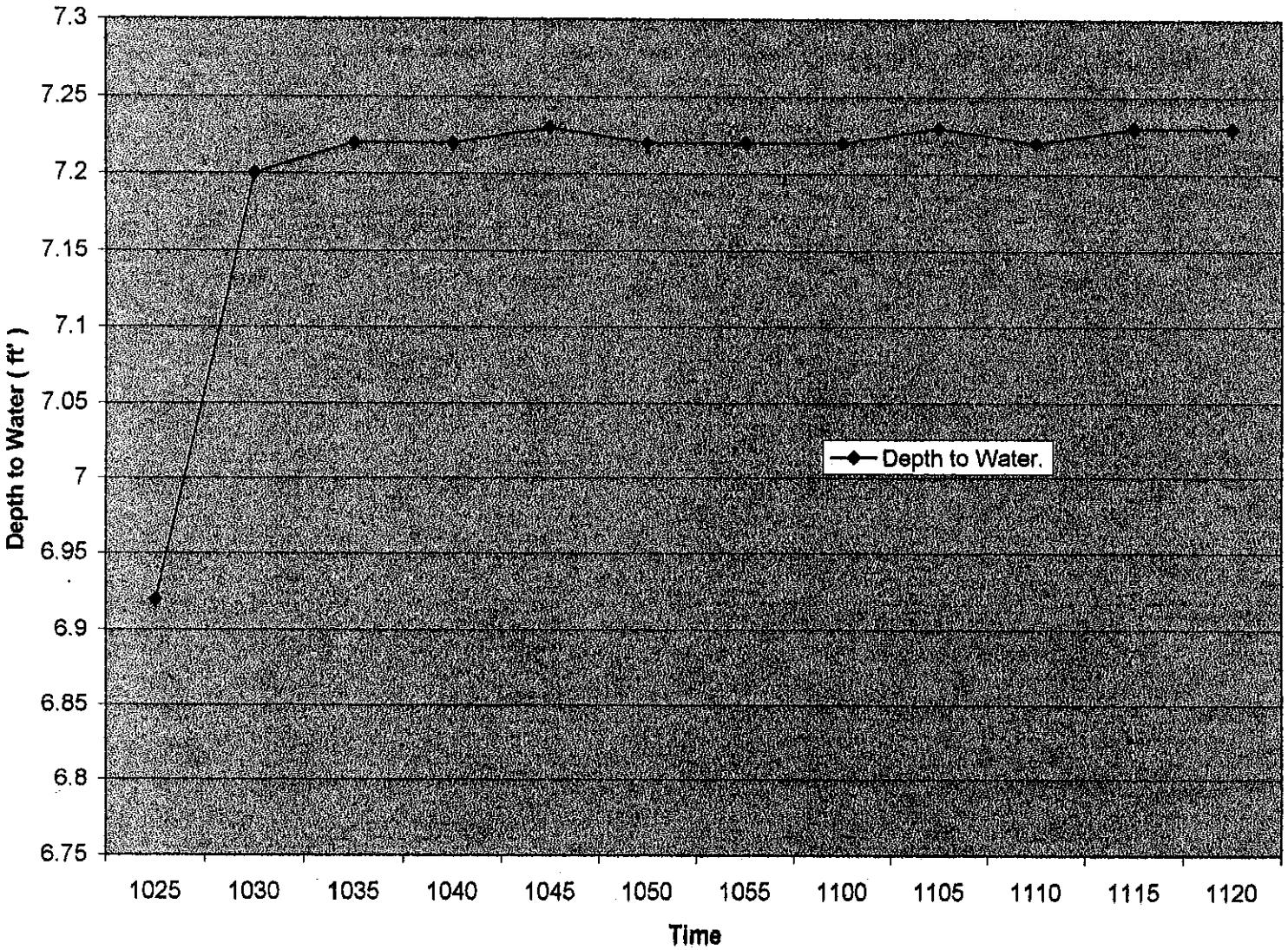
M4MW8
Permit # 29-32572
8/15/00

Turbidity



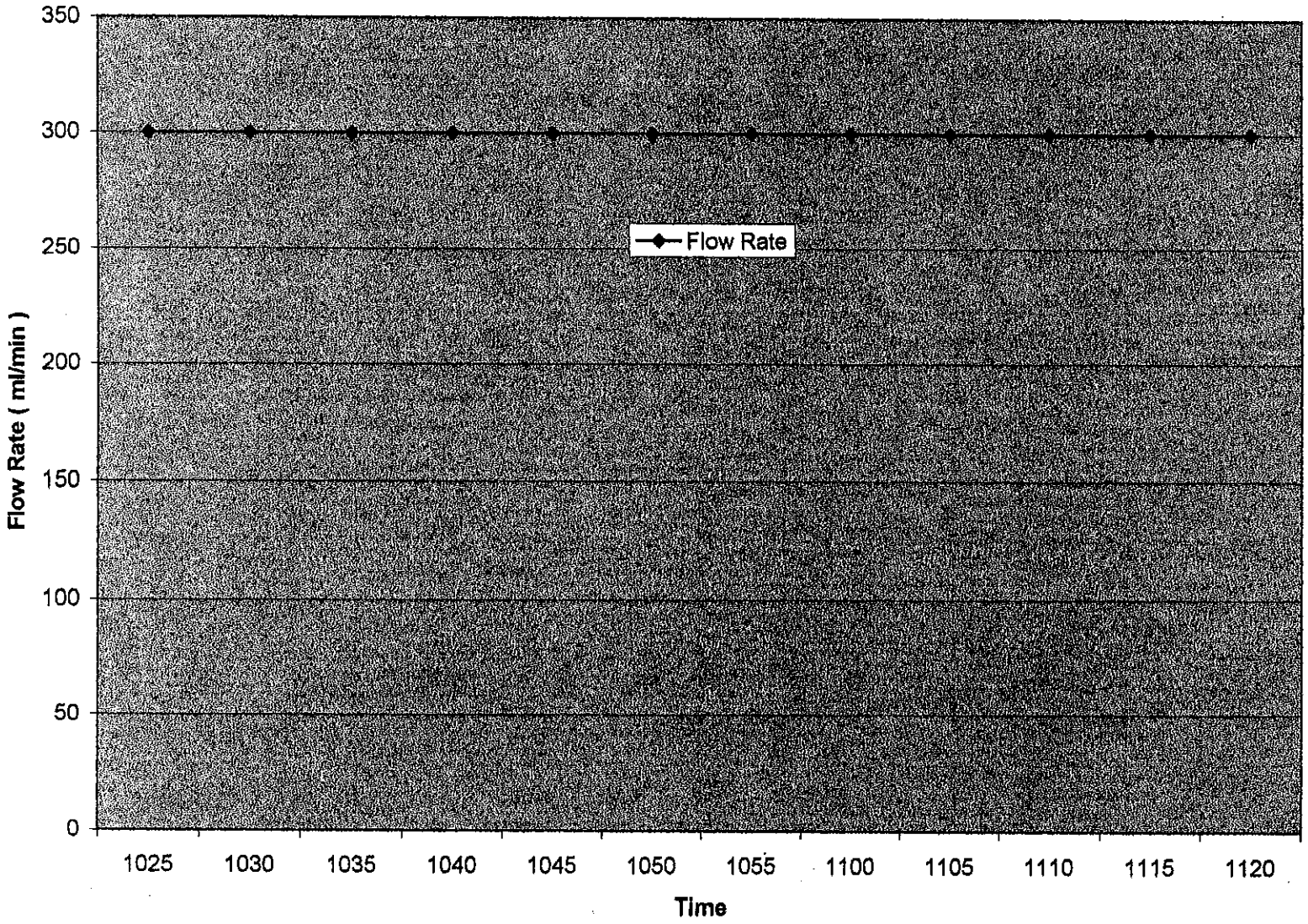
M4MW8
Permit #: 29-32572
8/15/00

Depth to Water.



M4MW8
Permit #: 29-32572
8/15/00

Flow Rate



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4 Landfill
MW#: 00M4MW09
NJDEP ID#29-32573
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Mark Laura
DATE: 08/15/00
WEATHER: Overcast.
TIDE: High-Outgoing.
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 2.4 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: 4.96 ft
Before Purge Start: 4.96 ft **Previous Day: 4.50 ft** **After Sampling: 5.30 ft**
DEPTH OF WELL: 24.25 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE:19 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 280 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: 11:50
pH 6.24 su
TEMP 17.17 °C
DISSOLVED O_2 0.18 mg/L
SPECIFIC CONDUCTIVITY 296.8 ms/cm

PURGE END TIME: 14:00
pH 6.34 su
TEMP 17.09 °C
DISSOLVED O_2 0.01 mg/L
SPECIFIC CONDUCTIVITY 319.6 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 5.30 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 13:56
pH 6.34 su
TEMP 17.09 °C
DISSOLVED O_2 0.01 mg/L
SPECIFIC CONDUCTIVITY 321.5 ms/cm

SAMPLE END TIME: 13:59
ANALYTES: TAL Metals
COMMENTS: Heavy recent rain events.

FIELD READINGS

M4MW09
NJDEP ID#: 29-32573
DATE: 08/15/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
11:55	6.24	17.17	252.4	296.8	0.18	61.9	5.25	280	Semi-Clear
12:00	6.37	17.39	255.4	298.9	0.06	50.9	5.3	280	Sus Mat.In Cell
12:05	6.45	17.45	259	302.7	0.04	50.3	5.3	280	Sus Mat.In Clear
12:10	6.48	17.47	260.6	304.4	0.03	57.3	5.31	280	Clearing
12:15	0.46	17.47	263.8	308.1	0.03	57.2	5.31	280	Clearing
12:20	6.46	17.5	264.8	309.1	0.03	44.6	5.32	280	Clearing
12:25	6.46	17.56	265.4	309.3	0.02	43.4	5.32	280	Clearing
12:30	6.45	17.46	267.1	321	0.02	41.2	5.31	280	Clearing
12:35	6.44	17.41	267.3	312.6	0.02	33.5	5.31	280	Clearing
12:40	6.44	17.47	268.2	313.3	0.02	32	5.31	280	Clearing
12:45	6.43	17.32	266.3	312.1	0.02	26.1	5.31	280	Clearing
12:50	6.42	17.32	268.1	314.2	0.02	25	5.31	280	Clear
12:55	6.42	17.37	268.3	314	0.02	22.2	5.32	280	Clear
13:00	6.41	17.19	268.2	315.2	0.02	19.5	5.32	280	Clear
13:05	6.4	17.21	268	314.9	0.02	19	5.32	280	Clear
13:10	6.39	17.26	269.5	316.3	0.01	16.3	5.32	280	Clear
13:15	6.39	17.4	270.8	316.7	0.01	15.6	5.32	280	Clear
13:20	6.38	17.22	270.8	318.1	0.01	14.8	5.32	280	Clear
13:25	6.38	17.2	270.4	307.7	0.01	13.4	5.32	280	Clear
13:30	6.37	17.19	270.5	.17.9	0.01	12.3	5.32	280	Clear
13:35	6.37	17.28	272.3	319.3	0.01	11.4	5.32	280	Clear
13:40	6.36	17.34	272.5	319.2	0.01	10	5.32	280	Clear
13:45	6.35	114	271.5	319.5	0.01	10	5.33	280	Clear
13:50	6.34	17.11	271.4	319.6	0.01	9.8	5.33	280	Clear
13:55	6.34	17.09	272.9	321.5	0.01	9.7	5.33	280	Clear

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1155	61.9	5.25	280
1200	50.9	5.3	280
1205	50.3	5.3	280
1210	57.3	5.31	280
1215	57.2	5.31	280
1220	44.6	5.32	280
1225	43.4	5.32	280
1230	41.2	5.31	280
1235	33.5	5.31	280
1240	32	5.31	280
1245	26.1	5.31	280
1250	25	5.31	280
1255	22.2	5.32	280
1300	19.5	5.32	280
1305	19	5.32	280
1310	16.3	5.32	280
1315	15.6	5.32	280
1320	14.8	5.32	280
1325	13.4	5.32	280
1330	12.3	5.32	280
1335	11.4	5.32	280
1340	10	5.32	280
1345	10	5.33	280
1350	9.8	5.33	280
1355	9.7	5.33	280

M4mw09

M4MW09 Low Flow Data

Temp., Sp. Cond., Cond., D.O., pH

-- Data Report --

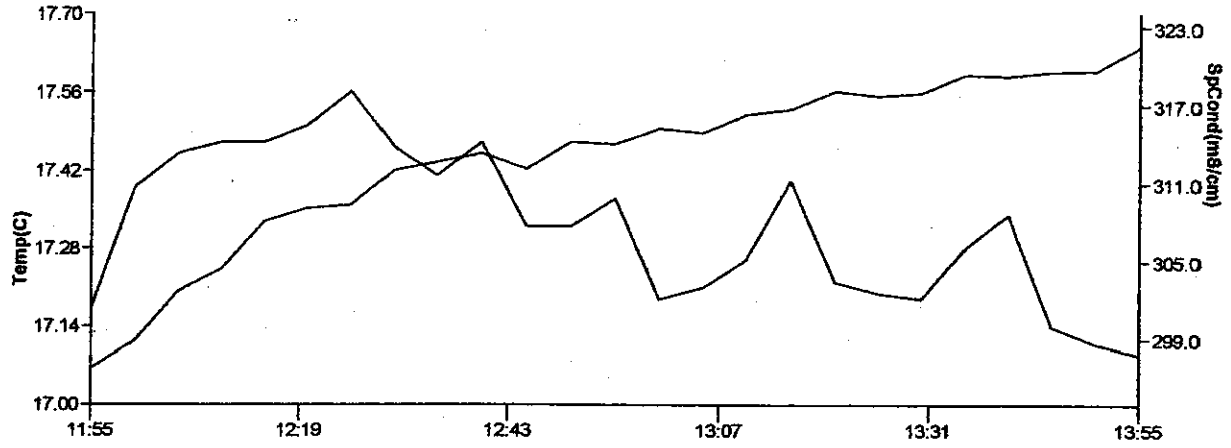
From 08/15/00 11:55 to 08/15/00 13:55

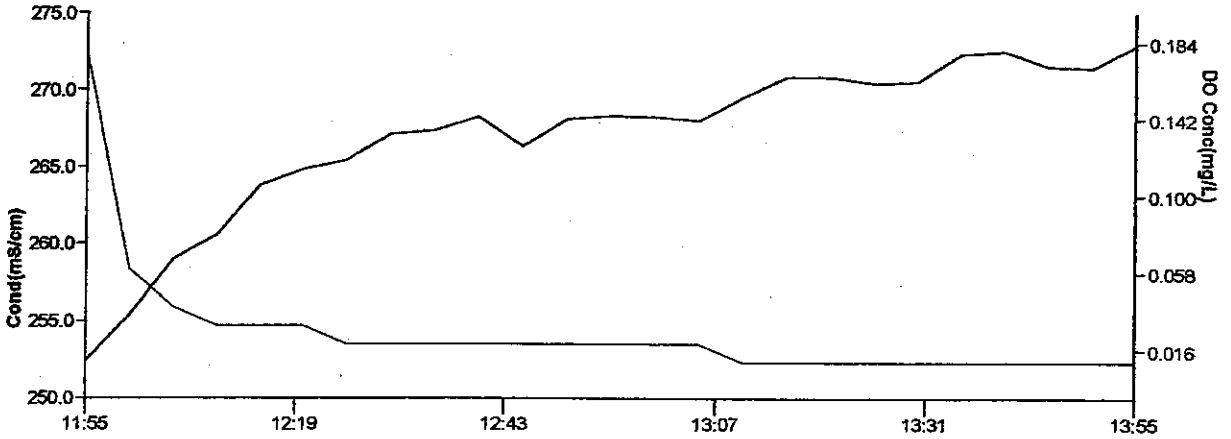
Number of samples: 25

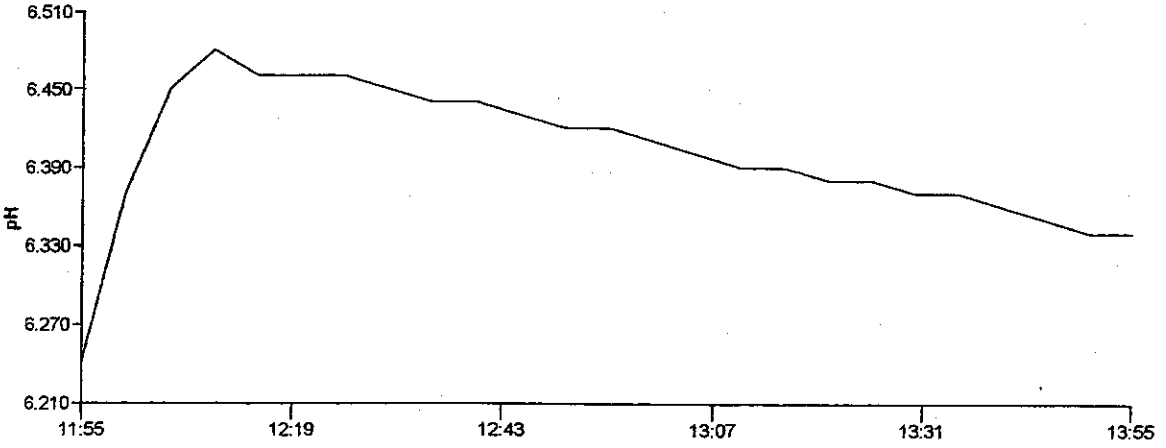
8/15/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
08/15/00 11:55	17.17	296.800	252.400	0.18	6.24
08/15/00 12:00	17.39	298.900	255.400	0.06	6.37
08/15/00 12:05	17.45	302.700	259.000	0.04	6.45
08/15/00 12:10	17.47	304.400	260.600	0.03	6.48
08/15/00 12:15	17.47	308.100	263.800	0.03	6.46
08/15/00 12:20	17.50	309.100	264.800	0.03	6.46
08/15/00 12:25	17.56	309.300	265.400	0.02	6.46
08/15/00 12:30	17.46	312.000	267.100	0.02	6.45
08/15/00 12:35	17.41	312.600	267.300	0.02	6.44
08/15/00 12:40	17.47	313.300	268.200	0.02	6.44
08/15/00 12:45	17.32	312.100	266.300	0.02	6.43
08/15/00 12:50	17.32	314.200	268.100	0.02	6.42
08/15/00 12:55	17.37	314.000	268.300	0.02	6.42
08/15/00 13:00	17.19	315.200	268.200	0.02	6.41
08/15/00 13:05	17.21	314.900	268.000	0.02	6.40
08/15/00 13:10	17.26	316.300	269.500	0.01	6.39
08/15/00 13:15	17.40	316.700	270.800	0.01	6.39
08/15/00 13:20	17.22	318.100	270.800	0.01	6.38
08/15/00 13:25	17.20	317.700	270.400	0.01	6.38
08/15/00 13:30	17.19	317.900	270.500	0.01	6.37
08/15/00 13:35	17.28	319.300	272.300	0.01	6.37
08/15/00 13:40	17.34	319.200	272.500	0.01	6.36
08/15/00 13:45	17.14	319.500	271.500	0.01	6.35
08/15/00 13:50	17.11	319.600	271.400	0.01	6.34
08/15/00 13:55	17.09	321.500	272.900	0.01	6.34

M4MW09 Low Flow Data

Temp., Sp. Cond., Cond., D.O., pH





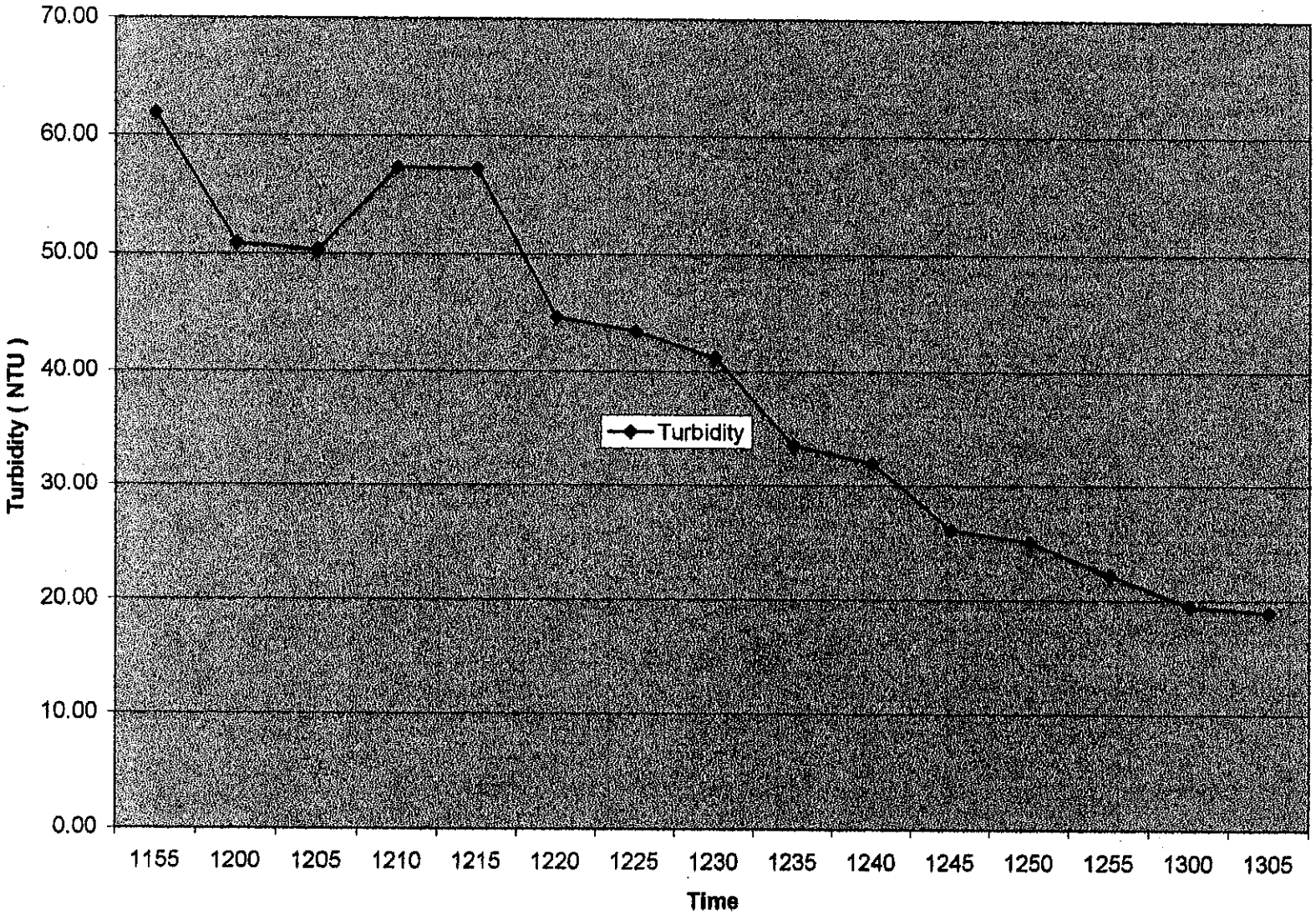


08/15/00 08/15/00 08/15/00 08/15/00 08/15/00 08/15/00

8/15/00

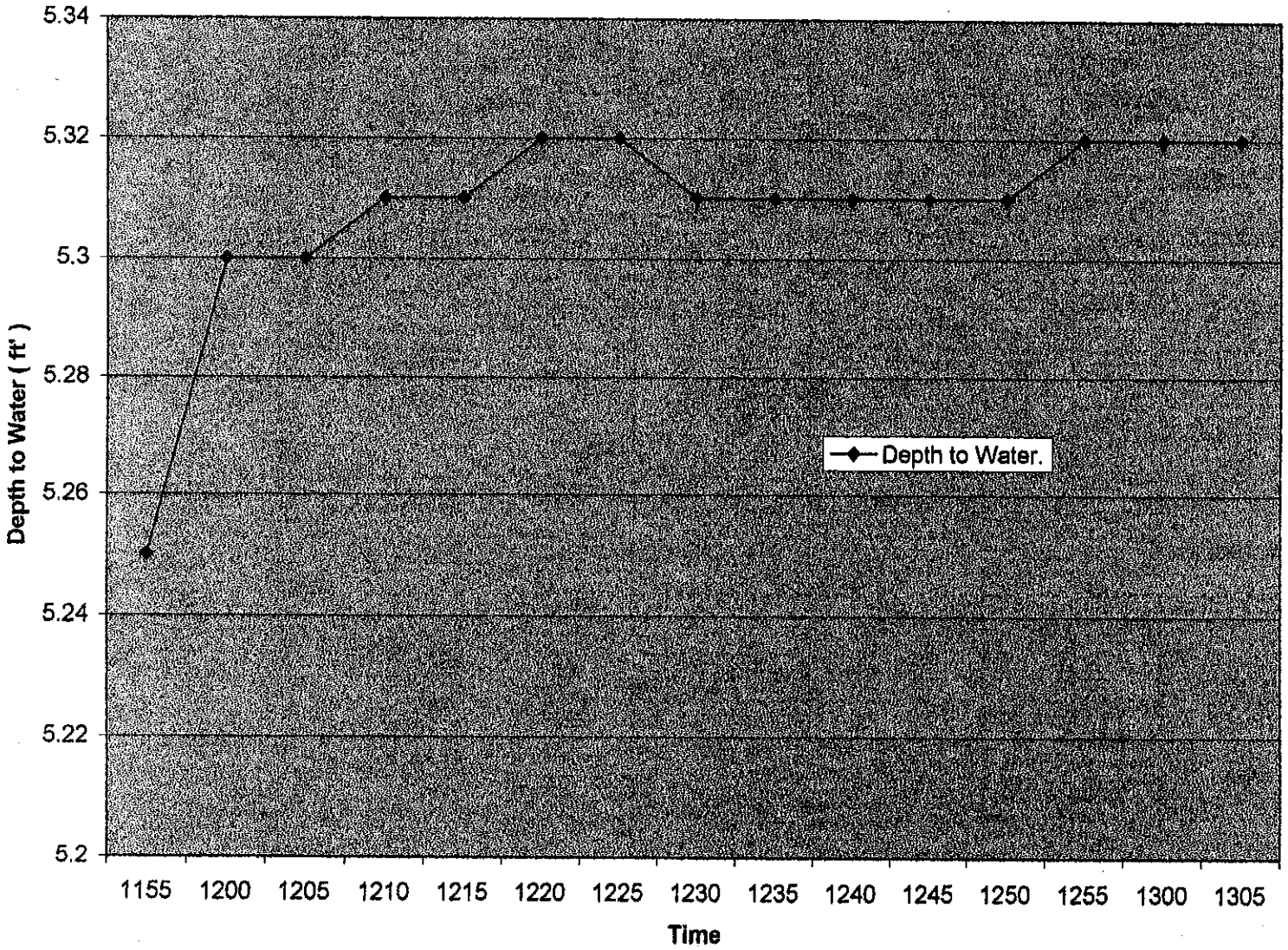
M4MW9
Permit #: 29-32573
8/15/00

Turbidity



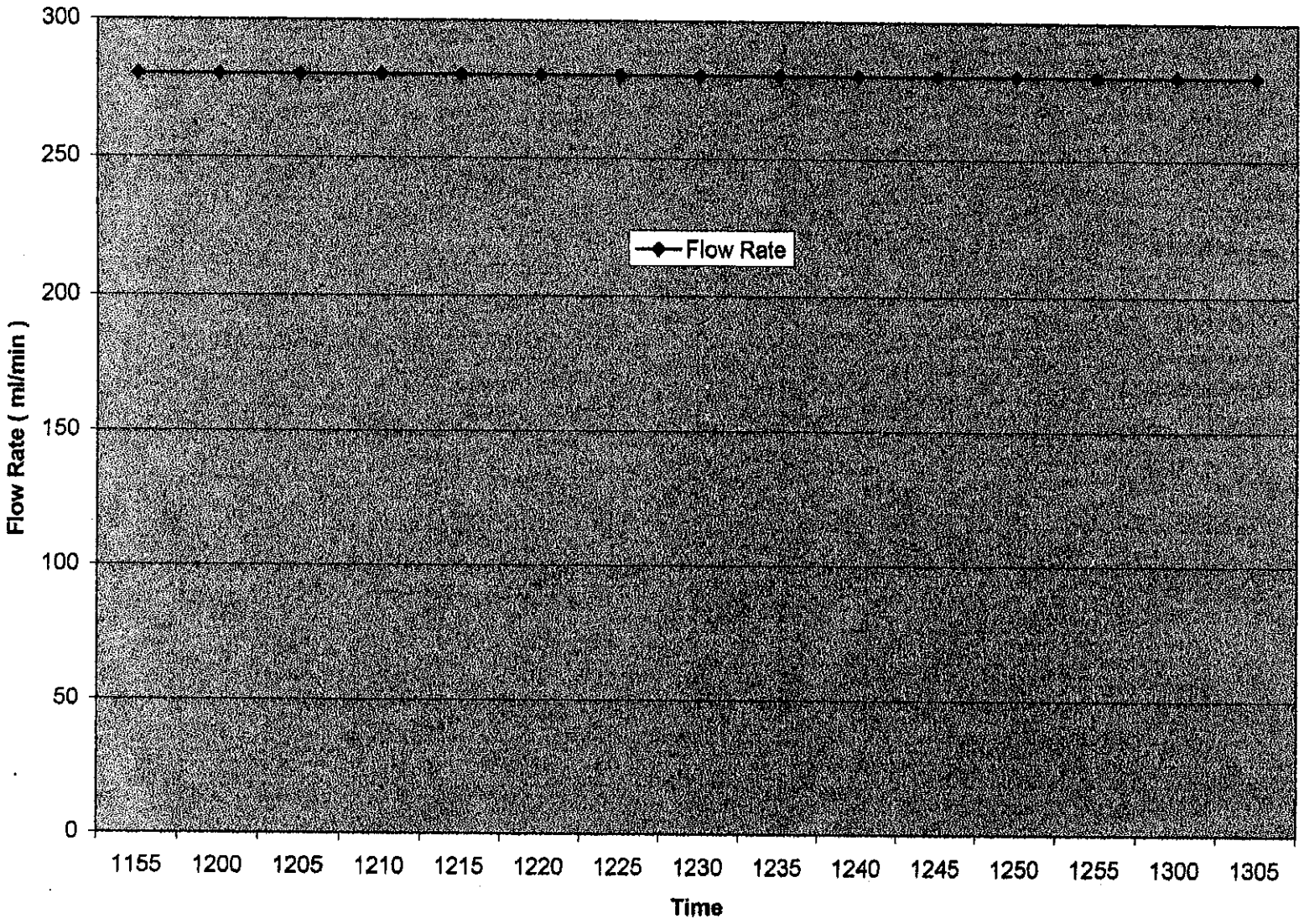
M4MW9
Permit #: 29-32573
8/15/00

Depth to Water.



M4MW9
Permit #: 29-32573
8/15/00

Flow Rate



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4 Landfill
MW#: 00M4MW10
NJDEP ID#29-41644
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Mark Laura
DATE: 08/15/00
WEATHER: Overcast-Sun.
TIDE: Outgoing.
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 2.4 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: 8.0 ft
Before Purge Start: 8.0 ft **Previous Day: 8.05 ft** **After Sampling: 8.2 ft**
DEPTH OF WELL: 20.32 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE:10 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 250 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: 14:30
pH 5.85 su
DISSOLVED O_2 0.06 mg/L
TEMP 15.34 °C
SPECIFIC CONDUCTIVITY 267.3 ms/cm

PURGE END TIME: 15:30
pH 5.91 su
DISSOLVED O_2 0.01 mg/L
TEMP 15.24 °C
SPECIFIC CONDUCTIVITY 264.1 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 8.0 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 15:26
pH 5.90 su
DISSOLVED O_2 0.01 mg/L
TEMP 15.23 °C
SPECIFIC CONDUCTIVITY 264.8 ms/cm

SAMPLE END TIME: 15:29
ANALYTES: TAL Metals
COMMENTS:

FIELD READINGS

M4MW10
NJDEP ID#: 29-41644
DATE: 08/15/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
14:35	5.85	15.34	218	167.3	0.06	1.5	8.5	250	Clear
14:40	5.91	15.3	216.7	266	0.04	1.1	8.5	250	Clear
14:45	5.91	15.27	216.2	265.5	0.03	2.3	8.5	250	Clear
14:50	5.91	15.36	216	264.8	0.02	4.7	8.5	250	Clear
14:55	5.91	15.25	216.2	265.7	0.02	4.8	8.5	250	Clear
15:00	5.9	15.16	216	266	0.02	4.4	8.5	250	Clear
15:05	5.9	15.16	215.7	265.6	0.01	3.6	8.5	250	Clear
15:10	5.9	15.16	215.6	265.5	0.01	2.8	8.5	250	Clear
15:15	5.9	15.23	215.9	265.4	0.01	2.2	8.5	250	Clear
15:20	5.91	15.24	214.9	264.1	0.01	1.9	8.5	250	Clear
15:25	5.9	15.23	215.4	264.8	0.01	2.1	8.5	250	Clear

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1435	1.50	8.5	250
1440	1.10	8.5	250
1445	2.30	8.5	250
1450	4.70	8.5	250
1455	4.80	8.5	250
1500	4.40	8.5	250
1505	3.60	8.5	250
1510	2.80	8.5	250
1515	2.20	8.5	250
1520	1.90	8.5	250
1525	2.10	8.5	250

M4mw10

M4MW10 Low Flow Data

Temp., Sp.Cond., Cond., D.O., pH

-- Data Report --

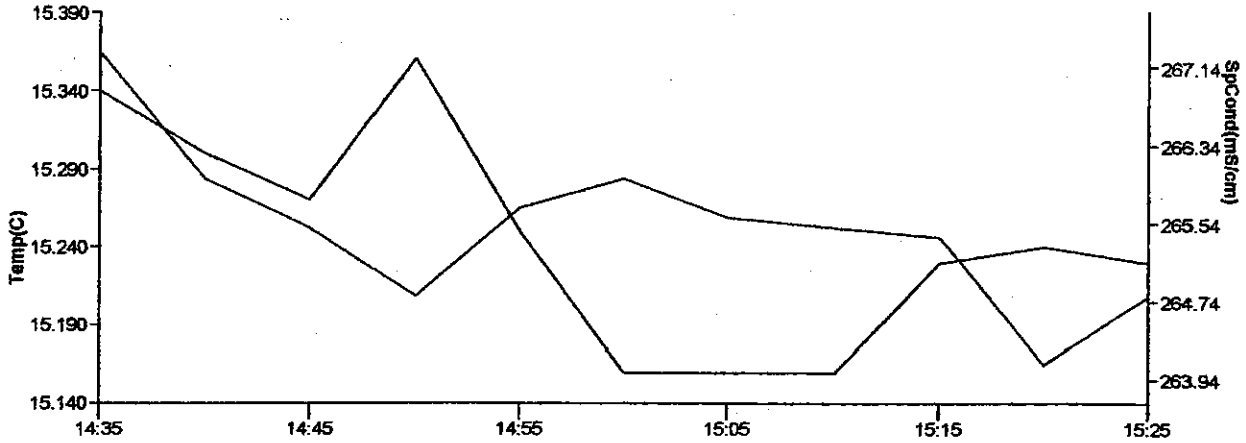
From 08/15/00 14:35 to 08/15/00 15:25

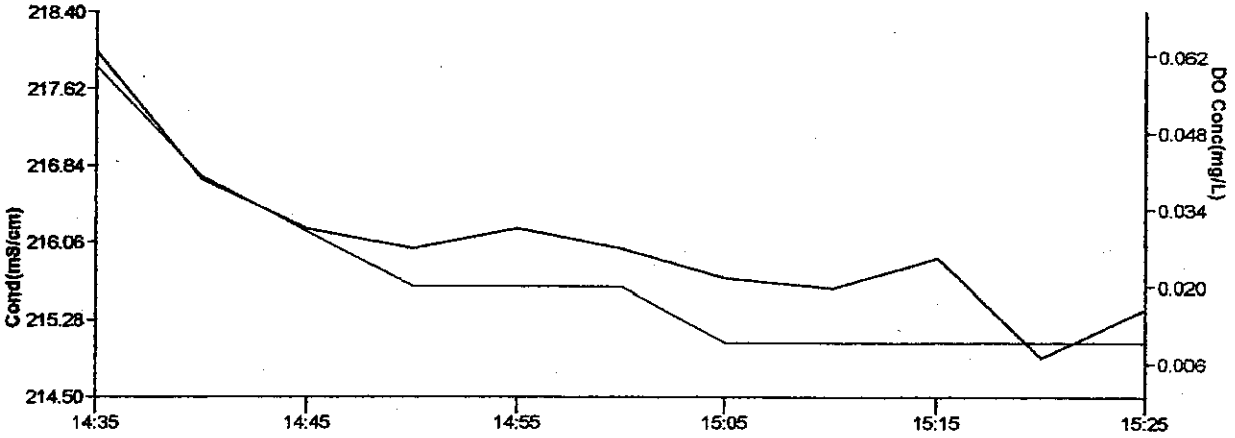
Number of samples: 11

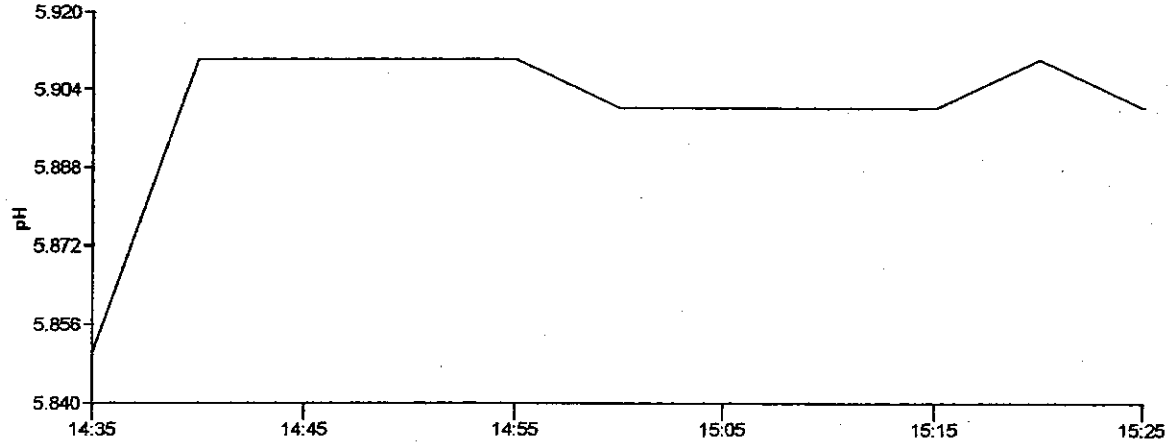
8/15/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
08/15/00 14:35	15.34	267.300	218.000	0.06	5.85
08/15/00 14:40	15.30	266.000	216.700	0.04	5.91
08/15/00 14:45	15.27	265.500	216.200	0.03	5.91
08/15/00 14:50	15.36	264.800	216.000	0.02	5.91
08/15/00 14:55	15.25	265.700	216.200	0.02	5.91
08/15/00 15:00	15.16	266.000	216.000	0.02	5.90
08/15/00 15:05	15.16	265.600	215.700	0.01	5.90
08/15/00 15:10	15.16	265.500	215.600	0.01	5.90
08/15/00 15:15	15.23	265.400	215.900	0.01	5.90
08/15/00 15:20	15.24	264.100	214.900	0.01	5.91
08/15/00 15:25	15.23	264.800	215.400	0.01	5.90

M4MW10 Low Flow Data

Temp., Sp.Cond., Cond., D.O., pH





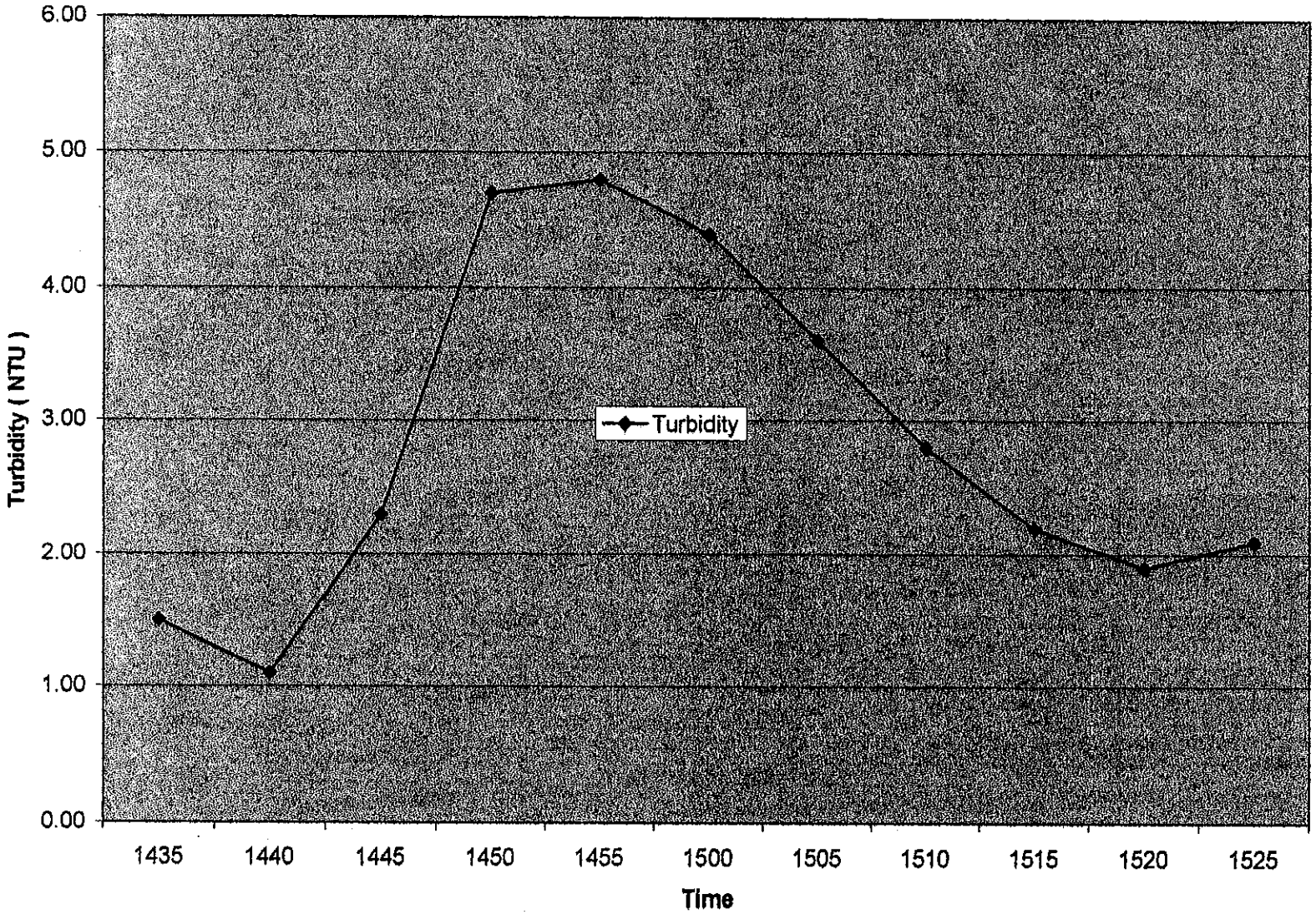


08/15/00 08/15/00 08/15/00 08/15/00 08/15/00 08/15/00

8/15/00

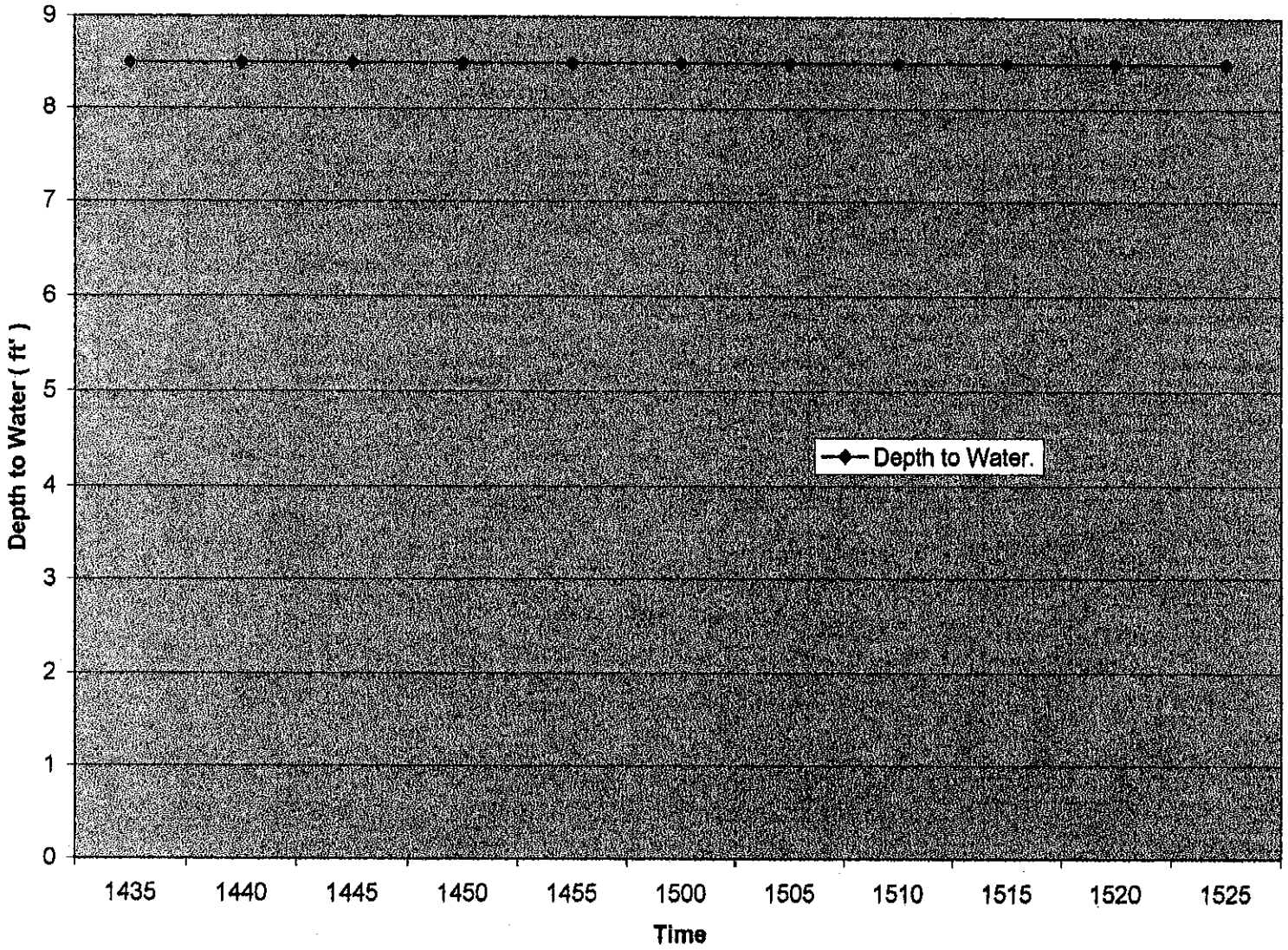
M4MW10
Permit #: 29-41644
8/15/00

Turbidity



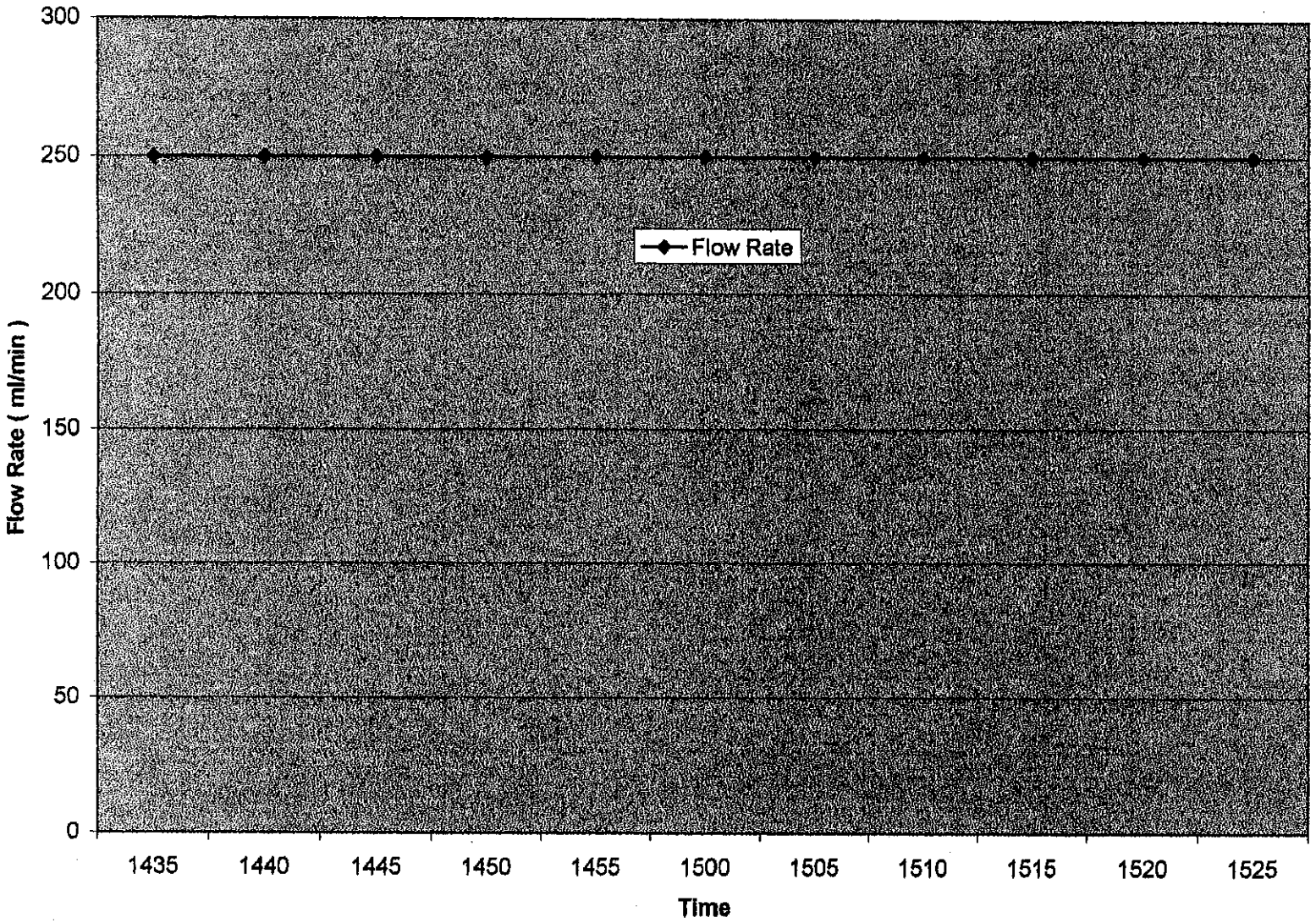
M4MW10
Permit #: 29-41644
8/15/00

Depth to Water.



M4MW10
Permit #: 29-41644
8/15/00

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 #: 5631
Sample Prepared: 08/30/00

Site: M-4

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	08/30/00	ND	200	10.0
Antimony	08/30/00	3.86	20	2.0
Arsenic	08/30/00	ND	8	2.0
Barium	08/30/00	ND	2000	0.5
Beryllium	08/30/00	ND	20	0.5
Cadmium	08/30/00	ND	4	0.5
Calcium	08/30/00	ND	NLE	20.0
Chromium	08/30/00	ND	100	0.5
Cobalt	08/30/00	ND	NLE	0.5
Copper	08/30/00	ND	1000	3.0
Iron	08/30/00	ND	300	10.0
Lead	08/30/00	ND	10	2.0
Magnesium	08/30/00	ND	NLE	20.0
Manganese	08/30/00	ND	50	0.5
Mercury	09/06/00	ND	2	0.1
Nickel	08/30/00	ND	100	0.5
Potassium	08/30/00	ND	NLE	20.0
Selenium	08/30/00	ND	50	3.0
Silver	08/30/00	ND	20	3.0
Sodium	08/30/00	109	50000	20.0
Thallium	08/30/00	ND	10	3.0
Vanadium	08/30/00	ND	NLE	1.0
Zinc	08/30/00	8.85	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 #: 5631.01
Sample Received: 08/15/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: FB

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/30/00	ND	200	10.0
Antimony	08/30/00	ND	20	2.0
Arsenic	08/30/00	ND	8	2.0
Barium	08/30/00	0.563	2000	0.5
Beryllium	08/30/00	ND	20	0.5
Cadmium	08/30/00	ND	4	0.5
Calcium	08/30/00	ND	NLE	20.0
Chromium	08/30/00	ND	100	0.5
Cobalt	08/30/00	ND	NLE	0.5
Copper	08/30/00	ND	1000	3.0
Iron	08/30/00	ND	300	10.0
Lead	08/30/00	ND	10	2.0
Magnesium	08/30/00	ND	NLE	20.0
Manganese	08/30/00	ND	50	0.5
Mercury	09/06/00	0.1	2	0.1
Nickel	08/30/00	ND	100	0.5
Potassium	08/30/00	ND	NLE	20.0
Selenium	08/30/00	ND	50	3.0
Silver	08/30/00	ND	20	3.0
Sodium	08/30/00	ND	50000	20.0
Thallium	08/30/00	ND	10	3.0
Vanadium	08/30/00	ND	NLE	1.0
Zinc	08/30/00	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 #: 5631.06
Sample Received: 08/15/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: FD

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/30/00	428	200	10.0
Antimony	08/30/00	4.19	20	2.0
Arsenic	08/30/00	ND	8	2.0
Barium	08/30/00	36.4	2000	0.5
Beryllium	08/30/00	ND	20	0.5
Cadmium	08/30/00	ND	4	0.5
Calcium	08/30/00	13900	NLE	20.0
Chromium	08/30/00	ND	100	0.5
Cobalt	08/30/00	2.72	NLE	0.5
Copper	08/30/00	ND	1000	3.0
Iron	08/30/00	449	300	10.0
Lead	08/30/00	3.43	10	2.0
Magnesium	08/30/00	4310	NLE	20.0
Manganese	08/30/00	38.2	50	0.5
Mercury	09/06/00	ND	2	0.1
Nickel	08/30/00	3.48	100	0.5
Potassium	08/30/00	1370	NLE	20.0
Selenium	08/30/00	ND	50	3.0
Silver	08/30/00	ND	20	3.0
Sodium	08/30/00	14000	50000	20.0
Thallium	08/30/00	ND	10	3.0
Vanadium	08/30/00	ND	NLE	1.0
Zinc	08/30/00	40.0	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 #: 5631.02
Sample Received: 08/15/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW07

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/30/00	425	200	10.0
Antimony	08/30/00	4.35	20	2.0
Arsenic	08/30/00	ND	8	2.0
Barium	08/30/00	35.6	2000	0.5
Beryllium	08/30/00	ND	20	0.5
Cadmium	08/30/00	ND	4	0.5
Calcium	08/30/00	13800	NLE	20.0
Chromium	08/30/00	ND	100	0.5
Cobalt	08/30/00	2.92	NLE	0.5
Copper	08/30/00	ND	1000	3.0
Iron	08/30/00	279	300	10.0
Lead	08/30/00	3.57	10	2.0
Magnesium	08/30/00	4350	NLE	20.0
Manganese	08/30/00	42.3	50	0.5
Mercury	09/06/00	ND	2	0.1
Nickel	08/30/00	3.82	100	0.5
Potassium	08/30/00	1450	NLE	20.0
Selenium	08/30/00	ND	50	3.0
Silver	08/30/00	ND	20	3.0
Sodium	08/30/00	14200	50000	20.0
Thallium	08/30/00	ND	10	3.0
Vanadium	08/30/00	ND	NLE	1.0
Zinc	08/30/00	32.4	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 #: 5631.03
Sample Received: 08/15/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW08

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/30/00	ND	200	10.0
Antimony	08/30/00	4.44	20	2.0
Arsenic	08/30/00	ND	8	2.0
Barium	08/30/00	33.3	2000	0.5
Beryllium	08/30/00	ND	20	0.5
Cadmium	08/30/00	ND	4	0.5
Calcium	08/30/00	34100	NLE	20.0
Chromium	08/30/00	ND	100	0.5
Cobalt	08/30/00	ND	NLE	0.5
Copper	08/30/00	ND	1000	3.0
Iron	08/30/00	12700	300	10.0
Lead	08/30/00	1.56	10	2.0
Magnesium	08/30/00	6230	NLE	20.0
Manganese	08/30/00	122	50	0.5
Mercury	09/06/00	0.1	2	0.1
Nickel	08/30/00	ND	100	0.5
Potassium	08/30/00	6310	NLE	20.0
Selenium	08/30/00	ND	50	3.0
Silver	08/30/00	ND	20	3.0
Sodium	08/30/00	8210	50000	20.0
Thallium	08/30/00	ND	10	3.0
Vanadium	08/30/00	ND	NLE	1.0
Zinc	08/30/00	26.5	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 #: 5631.04
Sample Received: 08/15/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW09

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/30/00	ND	200	10.0
Antimony	08/30/00	5.48	20	2.0
Arsenic	08/30/00	ND	8	2.0
Barium	08/30/00	50.7	2000	0.5
Beryllium	08/30/00	ND	20	0.5
Cadmium	08/30/00	ND	4	0.5
Calcium	08/30/00	43300	NLE	20.0
Chromium	08/30/00	ND	100	0.5
Cobalt	08/30/00	ND	NLE	0.5
Copper	08/30/00	ND	1000	3.0
Iron	08/30/00	9180	300	10.0
Lead	08/30/00	2.84	10	2.0
Magnesium	08/30/00	5790	NLE	20.0
Manganese	08/30/00	59.7	50	0.5
Mercury	09/06/00	ND	2	0.1
Nickel	08/30/00	ND	100	0.5
Potassium	08/30/00	7700	NLE	20.0
Selenium	08/30/00	ND	50	3.0
Silver	08/30/00	ND	20	3.0
Sodium	08/30/00	6760	50000	20.0
Thallium	08/30/00	ND	10	3.0
Vanadium	08/30/00	ND	NLE	1.0
Zinc	08/30/00	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 #: 5631.05
Sample Received: 08/15/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW10

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/30/00	ND	200	10.0
Antimony	08/30/00	4.13	20	2.0
Arsenic	08/30/00	ND	8	2.0
Barium	08/30/00	63.1	2000	0.5
Beryllium	08/30/00	ND	20	0.5
Cadmium	08/30/00	ND	4	0.5
Calcium	08/30/00	28100	NLE	20.0
Chromium	08/30/00	ND	100	0.5
Cobalt	08/30/00	ND	NLE	0.5
Copper	08/30/00	ND	1000	3.0
Iron	08/30/00	19000	300	10.0
Lead	08/30/00	2.12	10	2.0
Magnesium	08/30/00	3370	NLE	20.0
Manganese	08/30/00	102	50	0.5
Mercury	09/06/00	ND	2	0.1
Nickel	08/30/00	ND	100	0.5
Potassium	08/30/00	7640	NLE	20.0
Selenium	08/30/00	ND	50	3.0
Silver	08/30/00	ND	20	3.0
Sodium	08/30/00	6410	50000	20.0
Thallium	08/30/00	ND	10	3.0
Vanadium	08/30/00	ND	NLE	1.0
Zinc	08/30/00	35.3	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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: M-4

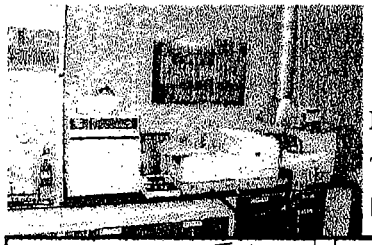
LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5783.01	00M4MW07	29-32571	10/12/00
5783.02	00M4MW08	29-32572	10/12/00
5783.03	00M4MW09	29-32573	10/12/00
5783.04	00M4MW10	29-41644	10/12/00

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 #: 842-6223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: CW2
4th Qtr '00

Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOC's	TAL mtls	Pest/PCB	BNA's				Hrs Read	Remarks / Preservation Method
5784 .01	Trip	10/12/00	0710	AQ	2	✓							–	
.02	Field Blank		0815		5	✓	✓	✓	✓				–	
.03	Dupe		—		5	✓	✓	✓	✓				–	
.04	OCW2 mw30		0922		5	✓	✓	✓	✓				0.0	29-32594
.05	OCW2 mw31		0918		5	✓	✓	✓	✓				0.0	29-32595
.06	OCW2 mw32		0930		9	✓	✓	✓	✓				0.0	29-32596
.07	OCW2 mw33 *	↓	0907	↓	5	✓	✓	✓	✓				0.0	29-32597

Analysis Parameters

Comments: HCL/HNO3/4°C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	10/12/00 845	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: Shows T/FB/Dupe w/ 2882 + M4 Sum date, esp MS/MSDs here.
Tide: N/A

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 #: 426203
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: M4 4thQtr '00

Samplers Name / Company: Corey McCormack, TUS

Analysis Parameters: VOHIS, TAL MTLS, Pest / PCB, BNA HIS, Ana Lead

Comments: HCL/HNO_3 /<4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOHIS	TAL MTLS	Pest / PCB	BNA HIS				Ana Lead	Remarks / Preservation Method
5783 .01	00M4MW07	10/12/00	1420	AQ	5	✓	✓	✓	✓				0.0	29-32571
.02	00M4MW08		1435		5	✓	✓	✓	✓				0.0	29-32572
.03	00M4MW09		1522		5	✓	✓	✓	✓				0.0	29-32573
.04	00M4MW10		1443		5	✓	✓	✓	✓				0.0	29-41644
~~.05~~														

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	10/12/00 1545	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: Shows T/FB/Dp from CW2 Sample Pt. cpm
Tide: H-70

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW07
NJDEP ID #: 29-32571
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/12/00
WEATHER: Sunny, cool.
TIDE: High-Outgoing.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 16.75 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.91 ft
DEPTH OF WELL: 17.61 ft
DEPTH TO TOP OF SCREEN: 5.5 ft
HEIGHT OF WATER: 9.70 ft
(9.70) X .65 X 3 =18.91
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:57
pH 5.37 su
DISSOLVED O2 5.67 ppm
TEMP 19.9 °C
SPECIFIC CONDUCTIVITY 197 us/cm

PURGE END TIME: 14:19
pH 4.99 su
DISSOLVED O2 4.21 ppm
TEMP 19.1 °C
SPECIFIC CONDUCTIVITY 190 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.15 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 14:20
pH 4.98 su
DISSOLVED O2 4.20 ppm
TEMP 19.0 °C
SPECIFIC CONDUCTIVITY 189 us/cm

SAMPLE END TIME: 14:29

COMMENTS: Root particles.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW08
NJDEP ID #: 29-32572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/12/00
WEATHER: Sunny, cool.
TIDE: High-Outgoing.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 10.68 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.38 ft
DEPTH OF WELL: 19.90 ft
DEPTH TO TOP OF SCREEN: 4.00 ft
HEIGHT OF WATER: 12.52 ft
(12.52) X .65 X 3 = 24.41
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: 12:50
pH 6.77 su
DISSOLVED O2 5.71 ppm
TEMP 17.9 °C
SPECIFIC CONDUCTIVITY 192 us/cm

PURGE END TIME: 14:34
pH 6.70 su
DISSOLVED O2 4.24 ppm
TEMP 17.0 °C
SPECIFIC CONDUCTIVITY 181 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.56 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 24 gal

SAMPLE START TIME: 14:35
pH 6.69 su
DISSOLVED O2 4.21 ppm
TEMP 16.9 °C
SPECIFIC CONDUCTIVITY 181 us/cm

SAMPLE END TIME: 14:42

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW09
NJDEP ID #: 29-32573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/12/00
WEATHER: Sunny, cool.
TIDE: High-Outgoing.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.69 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.97 ft
DEPTH OF WELL: 24.25 ft
DEPTH TO TOP OF SCREEN: 7.00 ft
HEIGHT OF WATER: 18.28 ft
(18.28) X .65 X 3 = 35.64
GALLONS OF H2O TO BE PURGED: 36 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:45
pH 6.97 su
DISSOLVED O2 5.77 ppm
TEMP 17.1 °C
SPECIFIC CONDUCTIVITY 217 us/cm

PURGE END TIME: 15:21
pH 6.95 su
DISSOLVED O2 4.11 ppm
TEMP 16.3 °C
SPECIFIC CONDUCTIVITY 206 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: 36 gal

SAMPLE START TIME: 15:22
pH 6.95 su
DISSOLVED O2 4.08 ppm
TEMP 16.3 °C
SPECIFIC CONDUCTIVITY 206 us/cm

SAMPLE END TIME: 15:29

COMMENTS: Slightly cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW10
NJDEP ID #: 29-41644
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/12/00
WEATHER: Sunny, cool.
TIDE: High-Outgoing.

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.65 ft
DEPTH OF WELL: 20.32 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.67 ft
(11.67) X .65 X 3 =22.75
GALLONS OF H2O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:53
pH 6.61 su
DISSOLVED O2 5.87 ppm
TEMP 16.1 °C
SPECIFIC CONDUCTIVITY 169 us/cm

PURGE END TIME: 14:33
pH 6.56 su
DISSOLVED O2 4.29 ppm
TEMP 15.4 °C
SPECIFIC CONDUCTIVITY 152 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.90 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 14:43
pH 6.57 su
DISSOLVED O2 4.27 ppm
TEMP 15.3 °C
SPECIFIC CONDUCTIVITY 152 us/cm

SAMPLE END TIME: 14:49

COMMENTS: Slightly cloudy.

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	**VB008507.D**	Sample Name	**Vblk249**
Operator	**Skelton**	Field ID	**Vblk249**
Date Acquired	**17 Oct 2000 11:49 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Vblk249

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5783 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk249

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008507.D

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: not dec. Date Analyzed: 10/17/00

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	**VB008514.D**	Sample Name	**5784.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**17 Oct 2000 5:35 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	9.34	178997	7.29 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	
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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5784 Location: CW2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5784.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008514.D

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: not dec. Date Analyzed: 10/17/00

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	**VB008515.D**	Sample Name	**5784.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**17 Oct 2000 6:15 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	9.28	127641	5.32 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	
75-34-3	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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5784 Location: CW2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5784.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008515.D

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: not dec. Date Analyzed: 10/17/00

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	**VB008508.D**	Sample Name	**5783.01**
Operator	**Skelton**	Field ID	**00M4MW07**
Date Acquired	**17 Oct 2000 12:42 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	9.33	122745	4.87 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	
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

00M4MW07

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5783 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5783.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008508.D

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: not dec. Date Analyzed: 10/17/00

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	**VB008509.D**	Sample Name	**5783.02**
Operator	**Skelton**	Field ID	**00M4MW08**
Date Acquired	**17 Oct 2000 2:15 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

00M4MW08

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5783 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5783.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008509.D

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: not dec. Date Analyzed: 10/17/00

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	**VB008510.D**	Sample Name	**5783.03**
Operator	**Skelton**	Field ID	**00M4MW09**
Date Acquired	**17 Oct 2000 2:55 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			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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

00M4MW09

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5783 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5783.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008510.D

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: not dec. Date Analyzed: 10/17/00

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	**VB008511.D**	Sample Name	**5783.04**
Operator	**Skelton**	Field ID	**00M4MW10**
Date Acquired	**17 Oct 2000 3:35 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

00M4MW10

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5783 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5783.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008511.D

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: not dec. Date Analyzed: 10/17/00

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	**BNA04559.D**	Sample Name	**Sblk427**
Operator	**Bhaskar**	Misc Info	**Sblk427 A 001013**
Date Acquired	**16-Oct-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
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Data File Name	**BNA04559.D**	Sample Name	**Sblk427**
Operator	**Bhaskar**	Misc Info	**Sblk427 A 001013**
Date Acquired	**16-Oct-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: **Sblk427**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5783 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Sblk427

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04559.D

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: decanted: (Y/N) N Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/00

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	**BNA04561.D**	Sample Name	**5784.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**16-Oct-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
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Data File Name	**BNA04561.D**	Sample Name	**5784.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**16-Oct-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.: 5784 Location: CW2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5784.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04561.D

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: decanted: (Y/N) N Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/00

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	**BNA04569.D**	Sample Name	**5783.01**
Operator	**Bhaskar**	Misc Info	**00M4MW07**
Date Acquired	**16-Oct-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
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Data File Name	**BNA04569.D**	Sample Name	**5783.01**
Operator	**Bhaskar**	Misc Info	**00M4MW07**
Date Acquired	**16-Oct-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: **00M4MW07**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5783 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5783.01

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04569.D

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: decanted: (Y/N) N Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.81	5	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04570.D**	Sample Name	**5783.02**
Operator	**Bhaskar**	Misc Info	**00M4MW08**
Date Acquired	**16-Oct-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
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Data File Name	**BNA04570.D**	Sample Name	**5783.02**
Operator	**Bhaskar**	Misc Info	**00M4MW08**
Date Acquired	**16-Oct-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: **00M4MW08**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5783 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5783.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04570.D

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: decanted: (Y/N) N Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.81	4	J
2. 022393-91-5	Stearic acid, 9-hexadecenyl ester,	27.50	6	JN
3. 077899-10-6	(Z)14-Tricosenyl formate	32.73	55	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04571.D**	Sample Name	**5783.03**
Operator	**Bhaskar**	Misc Info	**00M4MW09**
Date Acquired	**16-Oct-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
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Data File Name	**BNA04571.D**	Sample Name	**5783.03**
Operator	**Bhaskar**	Misc Info	**00M4MW09**
Date Acquired	**16-Oct-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: **00M4MW09**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5783 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5783.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04571.D

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: decanted: (Y/N) N Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/00

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	6.81	9	J
2. 022393-98-2	9-Hexadecenoic acid, 9-octadece	27.49	7	JN
3. 022393-98-2	9-Hexadecenoic acid, 9-octadece	32.73	54	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04572.D**	Sample Name	**5783.04**
Operator	**Bhaskar**	Misc Info	**00M4MW10**
Date Acquired	**16-Oct-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	**BNA04572.D**	Sample Name	**5783.04**
Operator	**Bhaskar**	Misc Info	**00M4MW10**
Date Acquired	**16-Oct-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: **00M4MW10**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5783 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5783.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04572.D

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: decanted: (Y/N) N Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.81	4	J
2. 022393-91-5	Stearic acid, 9-hexadecenyl ester,	27.48	6	JN
3. 022393-98-2	9-Hexadecenoic acid, 9-octadece	32.72	54	JN

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

Client :	U.S. Army	**Lab. ID # :**	PBLK606
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	10/16/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/16/00
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 # :**	5784.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/12/00
	Bldg. 173	**Extraction Date:**	10/16/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/17/00
Analysis:	EPA Method 608	**Location :**	CW2
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 # :**	5783.01
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/12/00
	Bldg. 173	**Extraction Date:**	10/16/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/16/00
Analysis:	EPA Method 608	**Location :**	M4
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW07
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 # :**	5783.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/12/00
	Bldg. 173	**Extraction Date:**	10/16/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/16/00
Analysis:	EPA Method 608	**Location :**	M4
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW08
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 # :**	5783.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/12/00
	Bldg. 173	**Extraction Date:**	10/16/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/17/00
Analysis:	EPA Method 608	**Location :**	M4
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW09
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 # :**	5783.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/12/00
	Bldg. 173	**Extraction Date:**	10/16/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/17/00
Analysis:	EPA Method 608	**Location :**	M4
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	00M4MW10
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 #: 5783
Sample Prepared: 10/19/00

Site: M-4

Field ID#: Method Blank

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/19/00	12.2	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	ND	8	2.0
Barium	10/19/00	ND	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	ND	4	0.5
Calcium	10/19/00	85.3	NLE	20.0
Chromium	10/19/00	ND	100	0.5
Cobalt	10/19/00	ND	NLE	0.5
Copper	10/19/00	ND	1000	2.0
Iron	10/19/00	28.8	300	2.0
Lead	10/19/00	ND	10	1.0
Magnesium	10/19/00	ND	NLE	10.0
Manganese	10/19/00	ND	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	ND	100	1.0
Potassium	10/19/00	ND	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	171	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	0.584	NLE	0.5
Zinc	10/19/00	12.5	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 #: 5784.02
Sample Received: 10/12/00
Sample Matrix: Aqueous

Site: CW-2
Ft. Monmouth, New Jersey

Field ID#: Field Blank

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/19/00	30.8	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	ND	8	2.0
Barium	10/19/00	ND	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	ND	4	0.5
Calcium	10/19/00	126	NLE	20.0
Chromium	10/19/00	ND	100	0.5
Cobalt	10/19/00	ND	NLE	0.5
Copper	10/19/00	ND	1000	2.0
Iron	10/19/00	ND	300	2.0
Lead	10/19/00	ND	10	1.0
Magnesium	10/19/00	ND	NLE	10.0
Manganese	10/19/00	ND	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	ND	100	1.0
Potassium	10/19/00	ND	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	ND	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	ND	NLE	0.5
Zinc	10/19/00	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 #: 5783.01
Sample Received: 10/12/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW07

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/19/00	759	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	ND	8	2.0
Barium	10/19/00	35.3	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	0.611	4	0.5
Calcium	10/19/00	14300	NLE	20.0
Chromium	10/19/00	1.82	100	0.5
Cobalt	10/19/00	3.67	NLE	0.5
Copper	10/19/00	ND	1000	2.0
Iron	10/19/00	774	300	2.0
Lead	10/19/00	ND	10	1.0
Magnesium	10/19/00	4430	NLE	10.0
Manganese	10/19/00	45.7	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	4.59	100	1.0
Potassium	10/19/00	1620	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	25100	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	2.58	NLE	0.5
Zinc	10/19/00	42.8	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 #: 5783.02
Sample Received: 10/12/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW08

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/19/00	70.6	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	ND	8	2.0
Barium	10/19/00	32.0	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	ND	4	0.5
Calcium	10/19/00	40900	NLE	20.0
Chromium	10/19/00	0.653	100	0.5
Cobalt	10/19/00	ND	NLE	0.5
Copper	10/19/00	ND	1000	2.0
Iron	10/19/00	12000	300	2.0
Lead	10/19/00	ND	10	1.0
Magnesium	10/19/00	7120	NLE	10.0
Manganese	10/19/00	132	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	ND	100	1.0
Potassium	10/19/00	5830	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	18800	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	1.55	NLE	0.5
Zinc	10/19/00	13.2	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 #: 5783.03
Sample Received: 10/12/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW09

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/19/00	24.7	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	ND	8	2.0
Barium	10/19/00	41.4	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	ND	4	0.5
Calcium	10/19/00	39500	NLE	20.0
Chromium	10/19/00	ND	100	0.5
Cobalt	10/19/00	ND	NLE	0.5
Copper	10/19/00	ND	1000	2.0
Iron	10/19/00	4700	300	2.0
Lead	10/19/00	ND	10	1.0
Magnesium	10/19/00	5490	NLE	10.0
Manganese	10/19/00	22.2	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	ND	100	1.0
Potassium	10/19/00	7140	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	7020	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	1.01	NLE	0.5
Zinc	10/19/00	7.63	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 #: 5783.04
Sample Received: 10/12/00
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW10

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/19/00	35.8	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	ND	8	2.0
Barium	10/19/00	76.7	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	ND	4	0.5
Calcium	10/19/00	24100	NLE	20.0
Chromium	10/19/00	ND	100	0.5
Cobalt	10/19/00	ND	NLE	0.5
Copper	10/19/00	2.34	1000	2.0
Iron	10/19/00	22400	300	2.0
Lead	10/19/00	ND	10	1.0
Magnesium	10/19/00	3380	NLE	10.0
Manganese	10/19/00	102	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	ND	100	1.0
Potassium	10/19/00	7460	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	12700	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	0.975	NLE	0.5
Zinc	10/19/00	28.5	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

	Lab	Acetone	Di-n-butyl phthalate	4,4'-DDT	Aluminum	Iron	Lead	Manganese	Silver	Sodium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	900	0.1	200	300	10	50	20	50000	-
05/06/1997	FMETL	ND	5.96	ND	1500	160	ND	90	21	58300	V,S,P,M
08/15/1997	FMETL	ND	61	ND	620	820	ND	81	ND	55150	V,S,P,M
10/24/1997	FMETL	ND	2.28	ND	559	2491	20	50.3	ND	17860	V,S,P,M
02/18/1998	FMETL	ND	8.18	ND	538	163	ND	40.7	ND	27110	V,S,P,M
05/06/1998	FMETL	ND	ND	ND	962	1621	ND	24.9	ND	19310	V,S,P,M
07/09/1998	FMETL	ND	ND	0.0015	969	3770	7.96	39.7	ND	28500	V,S,P,M
10/29/1998	FMETL	8.46	ND	ND	582	1830	ND	53.6	ND	29300	V,S,P,M
02/04/1999	FMETL	ND	ND	ND	474	442	ND	39.7	ND	21500	V,S,P,M
04/23/1999	FMETL	7.39	ND	ND	606	305	ND	71.2	ND	26400	V,S,P,M
07/06/1999	FMETL	ND	ND	ND	377	554	ND	41.3	ND	39700	V,S,P,M
10/05/1999	FMETL	ND	ND	ND	527	731	ND	55.2	ND	20500	V,S,P,M
01/11/2000	FMETL	ND	ND	ND	411	315	ND	41.7	ND	29600	V,S,P,M
05/01/2000	FMETL	ND	ND	ND	646	392	57.8	44.9	ND	13300	V,S,P,M
08/01/2000	FMETL	ND	ND	ND	580	314	1.33	52.6	ND	12400	V,S,P,M
08/01/2000D	FMETL	ND	ND	ND	609	430	2.87	51.6	ND	12700	V,S,P,M
10/12/2000	FMETL	4.87	ND	ND	759	774	ND	45.7	ND	25100	V,S,P,M

SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 10/12/2000

NOTES:

Silver in blank > Criteria in May 97

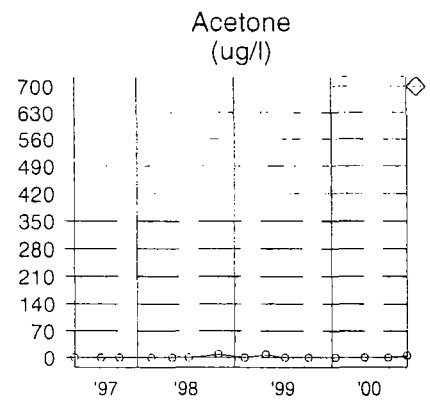
Page 1 of 2.

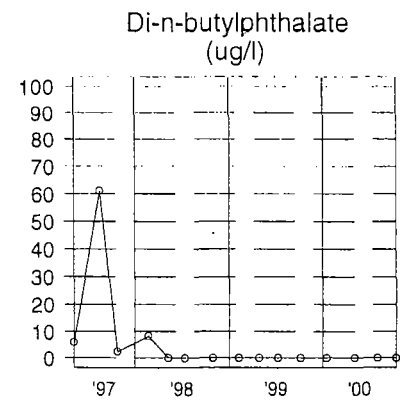
FORT MONMOUTH

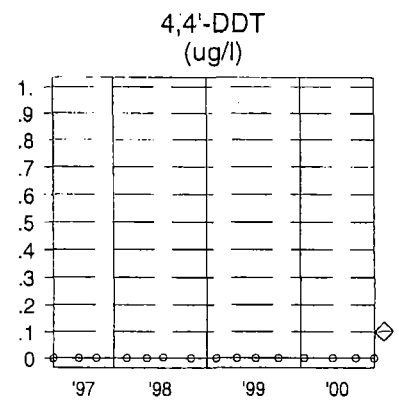
GW MONITORING
Bldg M-4

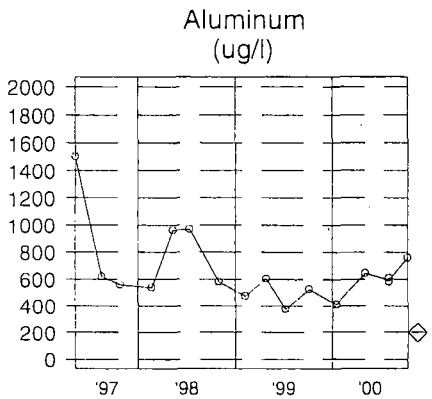
Source 1 of 4

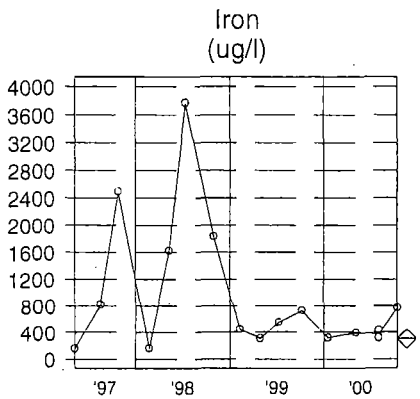
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

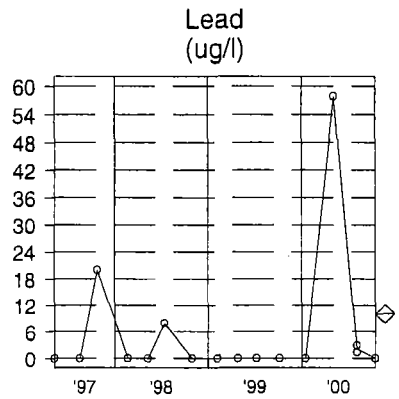


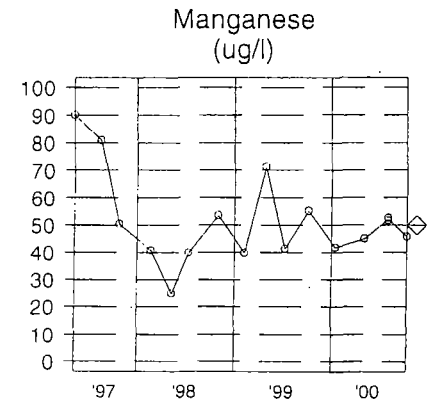


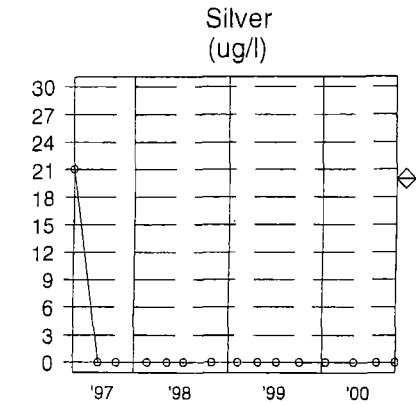


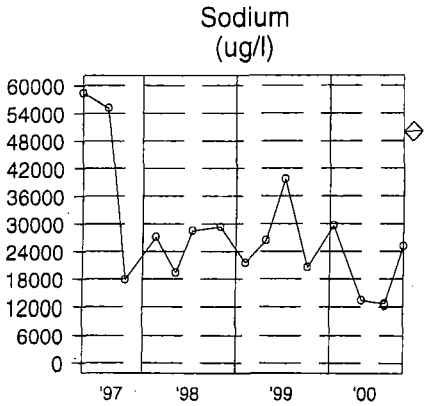












SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 10/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 1 of 4, Graph

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

11-27-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Antimony	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	20	200	NLE	100	NLE	NLE	5000	-		-
05/06/1997	FMETL	-	-	-	-	-	-	-	7.70		V,S,P,M
08/15/1997	FMETL	1.1	100	15440	89	7070	300	42	9.15		V,S,P,M
10/24/1997	FMETL	ND	83.6	9680	1.8	5530	ND	75	9.70		V,S,P,M
02/18/1998	FMETL	ND	32.4	13760	ND	4070	ND	46	6.40		V,S,P,M
05/06/1998	FMETL	ND	18.5	8562	1.4	2882	3.2	12.8	6.92		V,S,P,M
07/09/1998	FMETL	5.45	28.1	11100	ND	3230	5.34	66.5	8.63		V,S,P,M
10/29/1998	FMETL	3.96	94.7	14500	1.22	6780	ND	23.7	9.97		V,S,P,M
02/04/1999	FMETL	ND	29.5	11000	4.28	3540	ND	42.2	7.41		V,S,P,M
04/23/1999	FMETL	ND	26.6	12800	2.70	3950	ND	35.2	7.86		V,S,P,M
07/06/1999	FMETL	ND	44.6	14400	2.78	4160	ND	38.3	9.20		V,S,P,M
10/05/1999	FMETL	3.27	52.7	15800	3.11	4980	ND	52.6	8.94		V,S,P,M
01/11/2000	FMETL	ND	35	12500	ND	4150	ND	49.5	8.15		V,S,P,M
05/01/2000	FMETL	ND	27.8	14000	5.78	4710	ND	513	7.51		V,S,P,M
08/01/2000	FMETL	ND	39.0	15700	ND	5100	ND	49.6	8.08		V,S,P,M
08/01/2000D	FMETL	4.19	38.6	15300	ND	4940	ND	54.3	8.08		V,S,P,M
10/12/2000	FMETL	ND	35.3	14300	1.82	4430	2.58	42.8	7.91		V,S,P,M

SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 10/12/2000

NOTES:

Silver in blank > Criteria in May 97

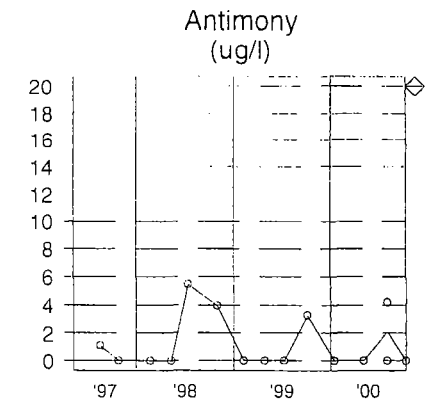
Page 2 of 2.

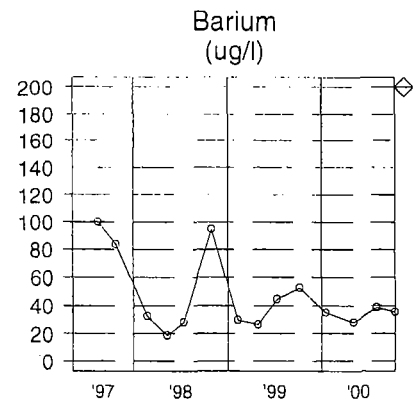
FORT MONMOUTH

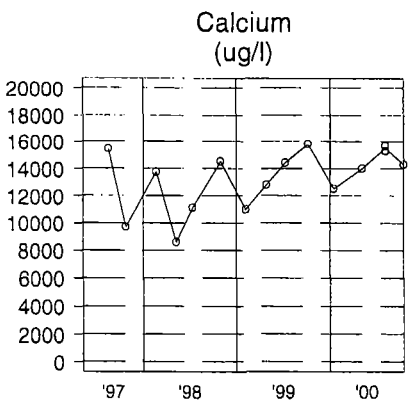
GW MONITORING
Bldg M-4

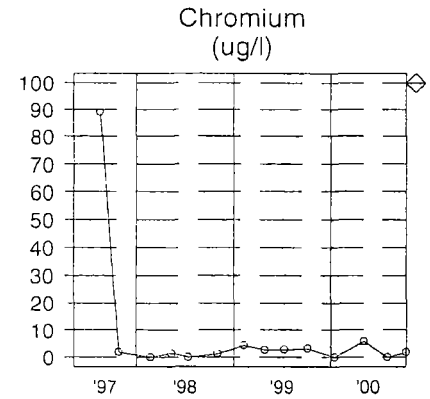
Source 1 of 4

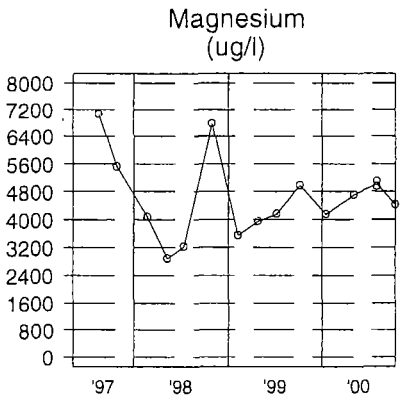
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

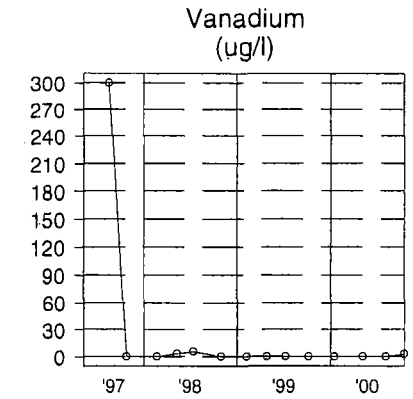


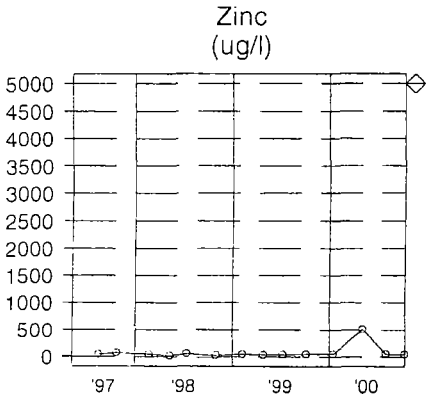


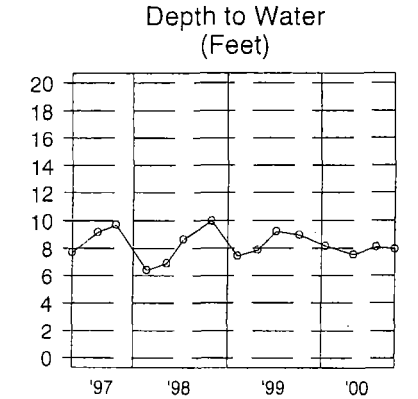












SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 10/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 1 of 4, Graph

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

11-27-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Acetone	2-But anone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	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	900	200	300	10	50	50000	20	-
05/06/1997	FMETL	ND	ND	11.67	35	13900	ND	119	10100	-	V,S,P,M
08/15/1997	FMETL	ND	ND	56	344	13760	ND	125	10750	1.3	V,S,P,M
10/24/1997	FMETL	ND	ND	ND	113	11060	18	107	15360	ND	V,S,P,M
02/18/1998	FMETL	ND	ND	10.8	128	14930	ND	121	11960	ND	V,S,P,M
05/06/1998	FMETL	ND	ND	ND	203	34950	ND	135	13560	ND	V,S,P,M
07/09/1998	FMETL	ND	ND	ND	293	24900	2.7	158	8970	4.72	V,S,P,M
10/29/1998	FMETL	13.01	ND	ND	15.8	15400	ND	135	19600	5.36	V,S,P,M
02/04/1999	FMETL	ND	ND	ND	942	112000	ND	160	17400	2.92	V,S,P,M
04/23/1999	FMETL	8.64	ND	1.20	3520	393000	8.35	402	17200	7.05	V,S,P,M
07/06/1999	FMETL	ND	4.20	ND	1020	54200	3.46	152	30400	ND	V,S,P,M
10/05/1999	FMETL	ND	ND	ND	176	21800	ND	149	13800	ND	V,S,P,M
01/11/2000	FMETL	ND	ND	ND	170	49400	ND	167	15000	ND	V,S,P,M
05/01/2000	FMETL	ND	ND	ND	132	73800	ND	164	12800	ND	V,S,P,M
08/01/2000	FMETL	ND	ND	ND	47.9	16700	2.27	152	13000	5.50	V,S,P,M
10/12/2000	FMETL	ND	ND	ND	70.6	12000	ND	132	18800	ND	V,S,P,M

SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 10/12/2000

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Page 1 of 2.

FORT MONMOUTH

GW MONITORING
Bldg M-4

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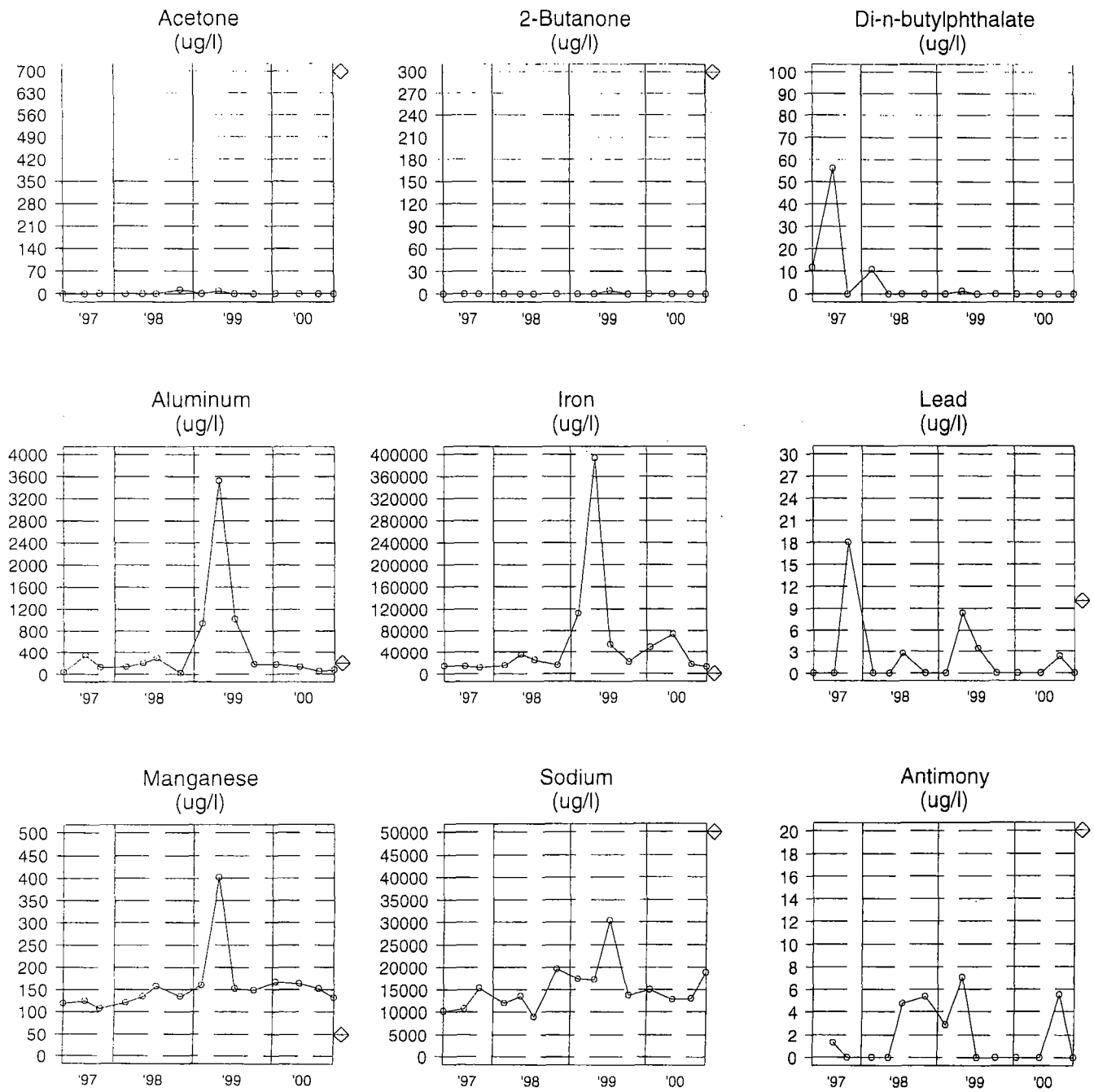
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 10/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 2 of 4, Graph

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

11-27-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	NLE	100	NLE	NLE	5000	-			-
05/06/1997	FMETL	-	-	-	-	-	-	6.50			V,S,P,M
08/15/1997	FMETL	70	33340	90	5840	300	ND	6.90			V,S,P,M
10/24/1997	FMETL	29.5	35680	1.2	6120	ND	53	7.60			V,S;P,M
02/18/1998	FMETL	36	38960	ND	5950	ND	12	5.95			V,S,P,M
05/06/1998	FMETL	74	38520	ND	6460	1.5	4.8	6.18			V,S,P,M
07/09/1998	FMETL	81.1	54000	ND	7590	1.49	66.7	6.76			V,S,P,M
10/29/1998	FMETL	40.9	45500	ND	8070	ND	ND	7.53			V,S,P,M
02/04/1999	FMETL	176	77600	9.36	7600	4.05	87.5	7.08			V,S,P,M
04/23/1999	FMETL	990	54800	22.3	7670	11.4	294	7.20			V,S,P,M
07/06/1999	FMETL	405	37500	8.89	7650	5.90	109	7.51			V,S,P,M
10/05/1999	FMETL	54.9	42400	4.16	6680	ND	20.2	6.80			V,S,P,M
01/11/2000	FMETL	173	44300	2.77	7160	1.54	42.1	7.31			V,S,P,M
05/01/2000	FMETL	217	40600	3.34	6990	2.63	14.9	6.94			V,S,P,M
08/01/2000	FMETL	41.2	52700	1.09	8440	0.632	17.0	7.28			V,S,P,M
10/12/2000	FMETL	32.0	40900	0.653	7120	1.55	13.2	7.38			V,S,P,M

SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 10/12/2000

NOTES:

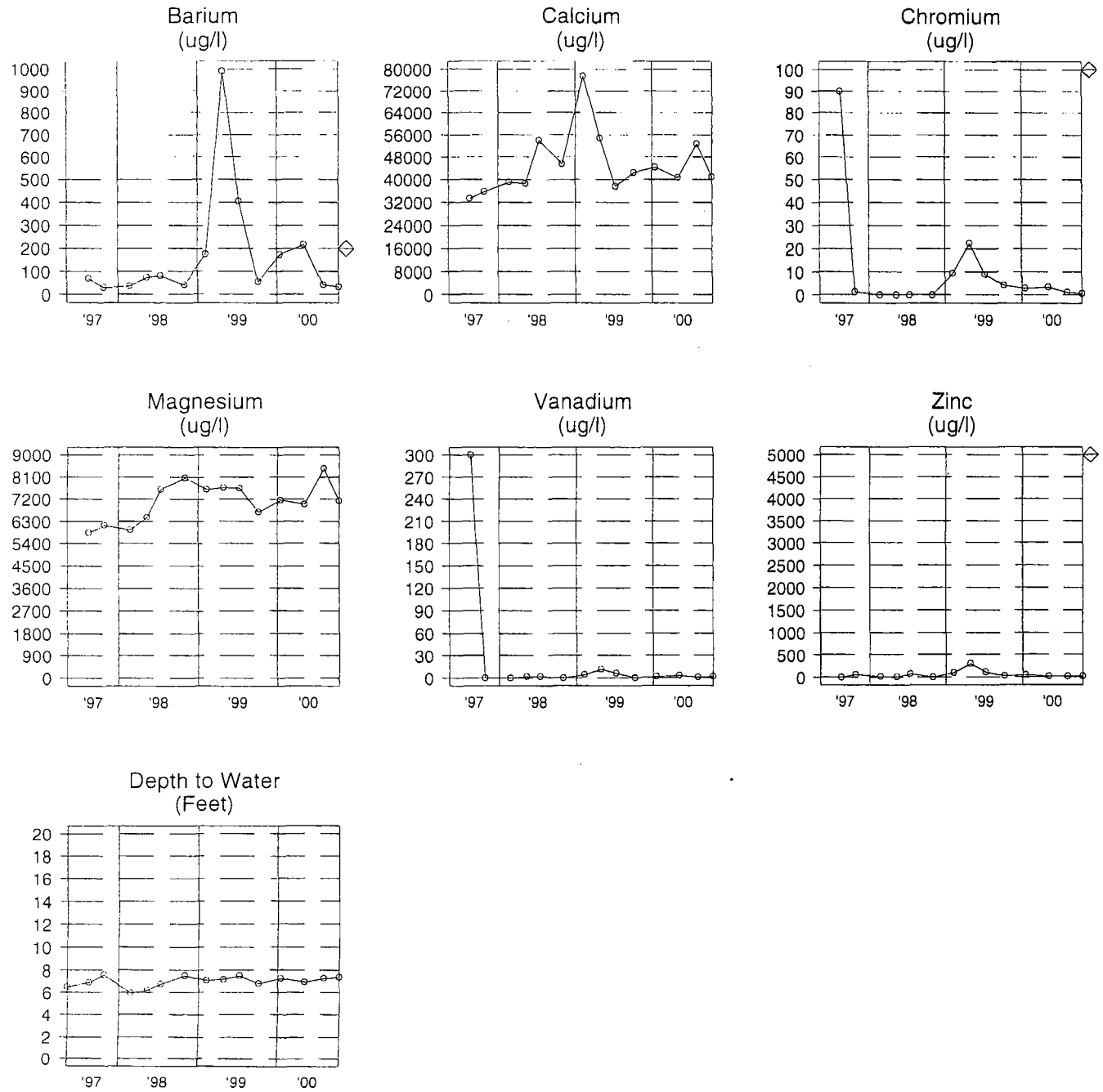
Silver in blank > Criteria in May 97

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 2 of 4

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



SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 10/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 2 of 4, Graph

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

11-27-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Acetone	2-But anone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	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	900	200	300	10	50	50000	20	-
05/06/1997	FMETL	ND	ND	3.04	91	37000	ND	68	8300	-	V,S,P,M
08/15/1997	FMETL	ND	ND	50.5	101.6	7170	ND	64	8270	ND	V,S,P,M
10/24/1997	FMETL	ND	ND	11.1	107	14650	9.0	76.5	9800	ND	V,S,P,M
02/18/1998	FMETL	ND	ND	5.14	80	6019	ND	66	8370	ND	V,S,P,M
05/06/1998	FMETL	ND	ND	ND	ND	19630	ND	90.5	9376	ND	V,S,P,M
07/09/1998	FMETL	ND	ND	ND	21.2	15500	12.2	58.2	8140	6.52	V,S,P,M
10/29/1998	FMETL	16.17	5.72	ND	ND	14000	ND	41.9	8190	6.52	V,S,P,M
02/04/1999	FMETL	ND	ND	ND	ND	13100	ND	114	8170	ND	V,S,P,M
04/23/1999	FMETL	7.59	ND	ND	ND	11100	ND	53.7	7480	ND	V,S,P,M
04/23/1999D	FMETL	8.87	ND	ND	ND	12700	ND	72.2	7360	ND	V,S,P,M
07/06/1999	FMETL	5.92	6.32	ND	ND	12900	ND	18.2	6040	ND	V,S,P,M
10/05/1999	FMETL	ND	ND	ND	34.0	8800	ND	47.2	7630	ND	V,S,P,M
01/11/2000	FMETL	ND	ND	ND	ND	9480	ND	53.7	7630	ND	V,S,P,M
05/01/2000	FMETL	ND	ND	ND	ND	8800	ND	46.3	5760	ND	V,S,P,M
08/01/2000	FMETL	ND	ND	ND	12.0	6010	1.90	15.6	3170	3.65	V,S,P,M
10/12/2000	FMETL	ND	ND	ND	24.7	4700	ND	22.2	7020	ND	V,S,P,M

SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 10/12/2000

NOTES:

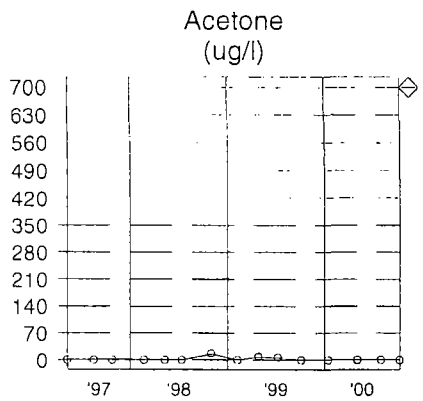
Silver in blank > Criteria in May 97
Page 1 of 2.

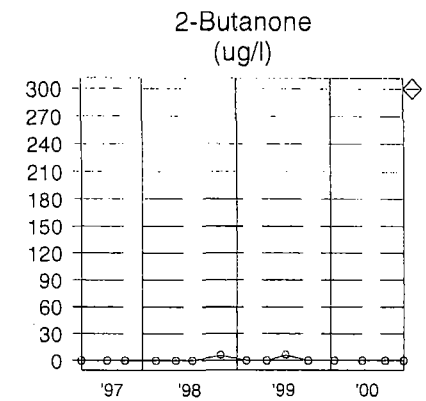
FORT MONMOUTH

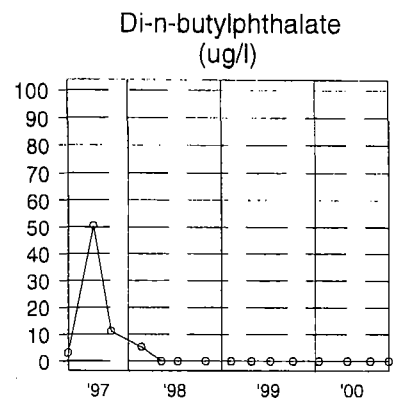
GW MONITORING
Bldg M-4

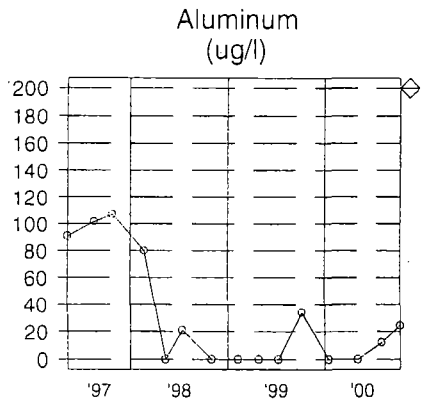
Source 3 of 4

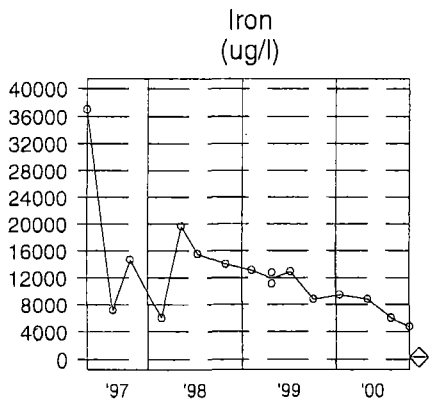
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

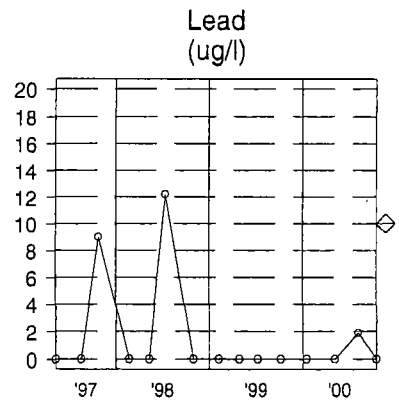


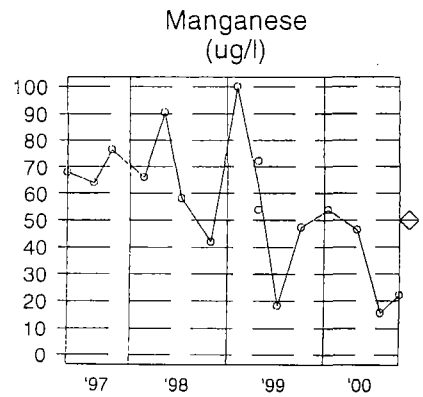


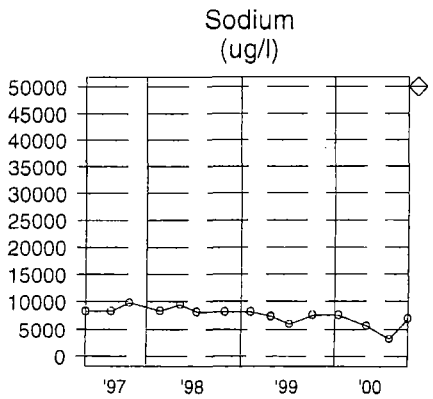


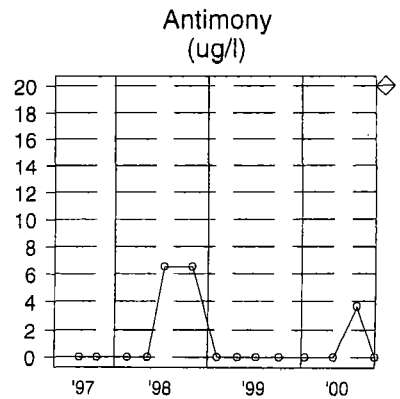












SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 10/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 3 of 4, Graph

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

11-27-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	NLE	100	NLE	NLE	5000	-			-
05/06/1997	FMETL	-	-	-	-	-	-	5.40			V,S,P,M
08/15/1997	FMETL	130	40010	68	6070	300	ND	6.10			V,S,P,M
10/24/1997	FMETL	46.7	42140	1.4	5340	ND	52	6.75			V,S,P,M
02/18/1998	FMETL	42	44320	ND	5840	ND	43	4.99			V,S,P,M
05/06/1998	FMETL	80	44510	ND	6243	ND	5.9	5.31			V,S,P,M
07/09/1998	FMETL	278	45500	ND	5650	ND	98.6	6.12			V,S,P,M
10/29/1998	FMETL	72.4	43700	ND	5480	ND	ND	6.88			V,S,P,M
02/04/1999	FMETL	66.7	44100	ND	5960	ND	18.5	6.18			V,S,P,M
04/23/1999	FMETL	62.5	40400	2.15	5830	ND	18.7	5.94			V,S,P,M
04/23/1999D	FMETL	66.2	38800	2.38	5820	ND	26.6	5.94			V,S,P,M
07/06/1999	FMETL	72.2	40900	2.18	5760	ND	25.3	6.68			V,S,P,M
10/05/1999	FMETL	58.7	44200	2.16	5640	ND	12.0	5.71			V,S,P,M
01/11/2000	FMETL	49	40900	ND	5810	ND	14.6	6.15			V,S,P,M
05/01/2000	FMETL	59.9	37900	ND	5600	ND	4.17	5.54			V,S,P,M
08/01/2000	FMETL	47.6	37800	ND	5430	ND	18.6	5.91			V,S,P,M
10/12/2000	FMETL	41.4	39500	ND	5490	1.01	7.63	5.97			V,S,P,M

SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 10/12/2000

NOTES:

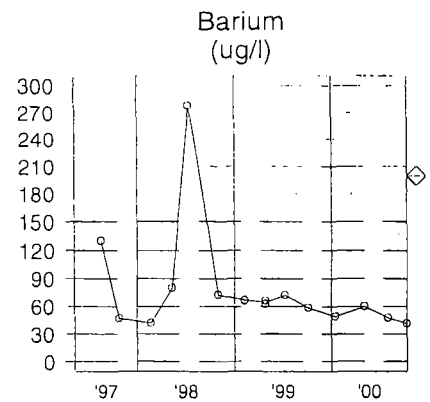
Silver in blank > Criteria in May 97
Page 2 of 2.

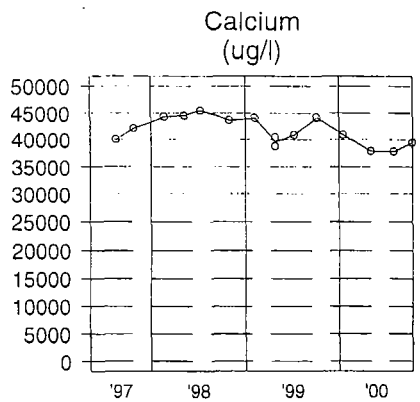
FORT MONMOUTH

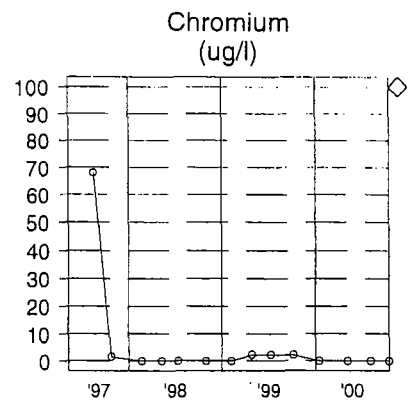
GW MONITORING
Bldg M-4

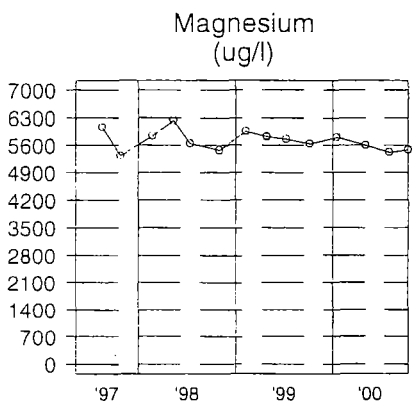
Source 3 of 4

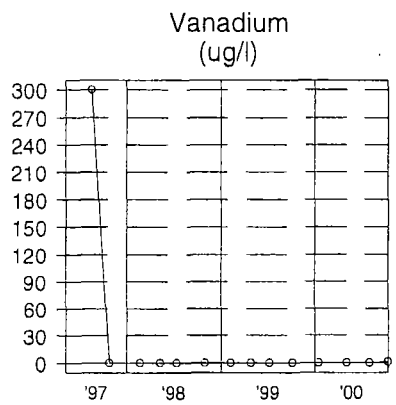
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

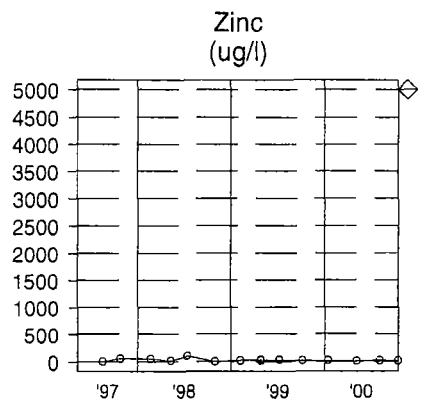


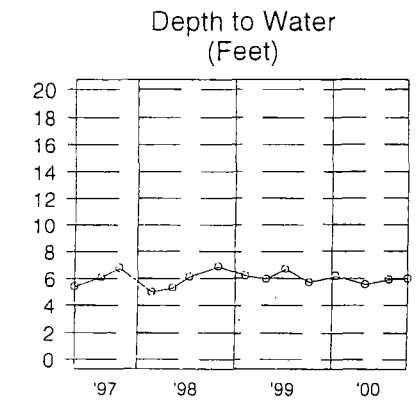












SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 10/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 3 of 4, Graph

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

11-27-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Aluminum	Iron	Lead	Manganese	Sodium	Antimony	Barium	Calcium	Chromium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	200	300	10	50	50000	20	200	NLE	100	-
01/11/2000	FMETL	79	29500	ND	113	9650	ND	109	29400	ND	V,S,P,M
05/01/2000	FMETL	31.3	64300	ND	124	10800	ND	516	31900	2.28	V,S,P,M
08/01/2000	FMETL	13.9	30900	8.01	103	7270	5.07	117	26900	0.895	V,S,P,M
10/12/2000	FMETL	35.8	22400	ND	102	12700	ND	76.7	24100	ND	V,S,P,M

SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 10/12/2000

NOTES:

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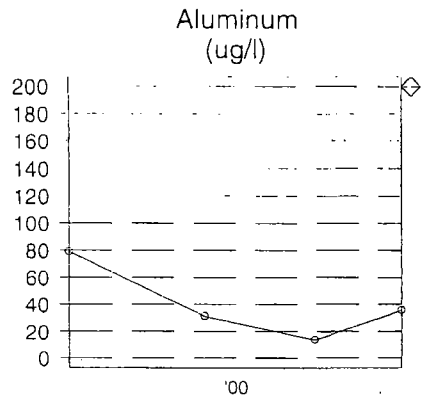
Page 1 of 2

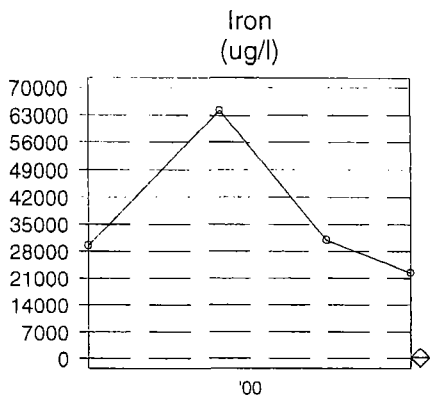
FORT MONMOUTH

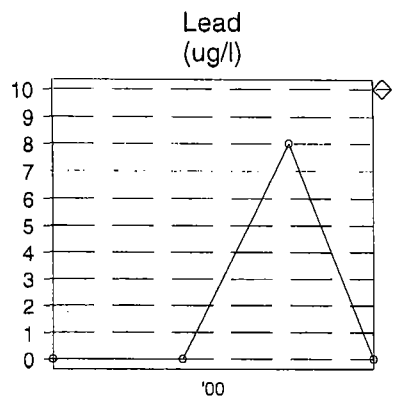
GW MONITORING
Bldg M-4

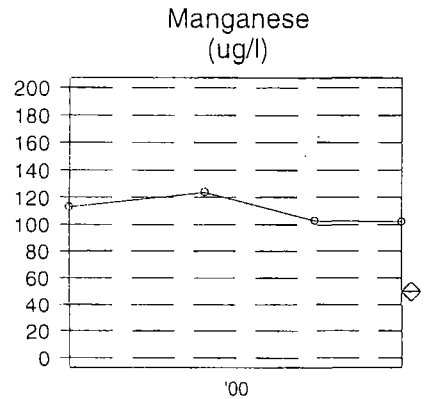
Source 4 of 4

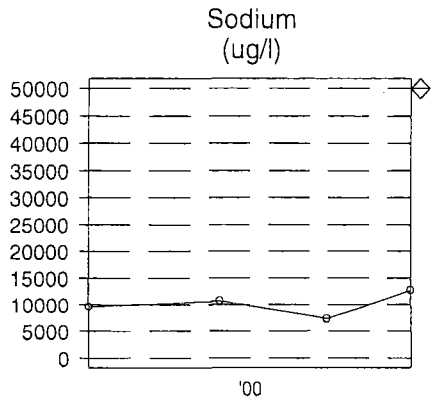
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

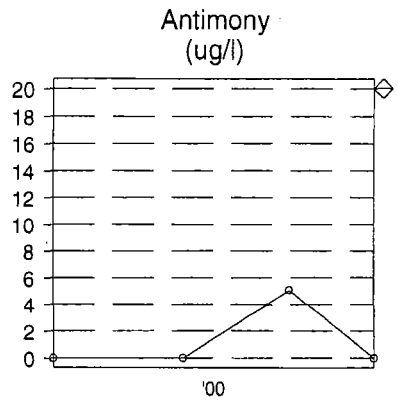


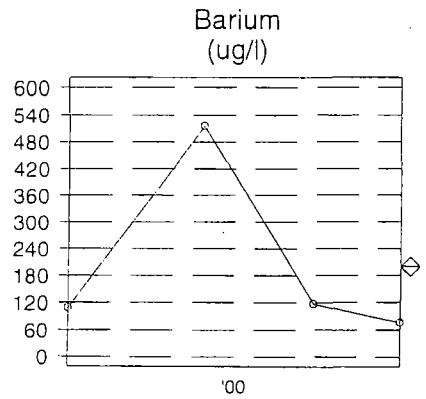


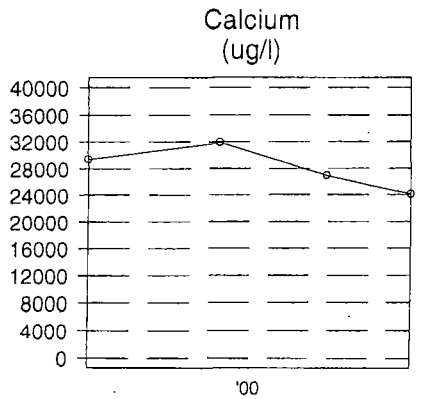


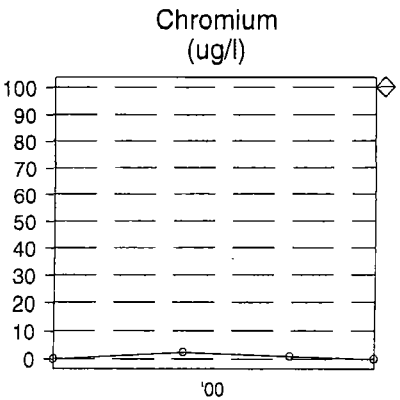












SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 10/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 4 of 4, Graph

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

11-27-2000 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Magnesium	Vanadium	Zinc	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	NLE	NLE	5000	-						-
01/11/2000	FMETL	3570	ND	74.7	8.61						V,S,P,M
05/01/2000	FMETL	3760	2.10	17.1	8.81						V,S,P,M
08/01/2000	FMETL	3450	0.692	46.2	8.37						V,S,P,M
10/12/2000	FMETL	3380	0.975	28.5	8.65						V,S,P,M

SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 10/12/2000

NOTES:

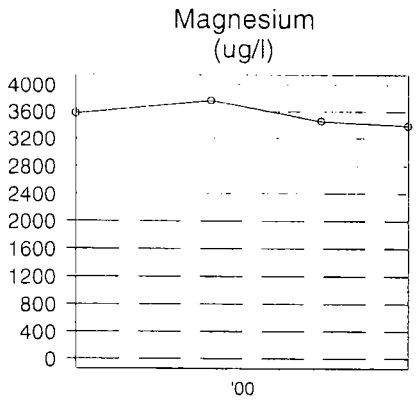
Silver in blank > Criteria in May 97
Page 2 of 2

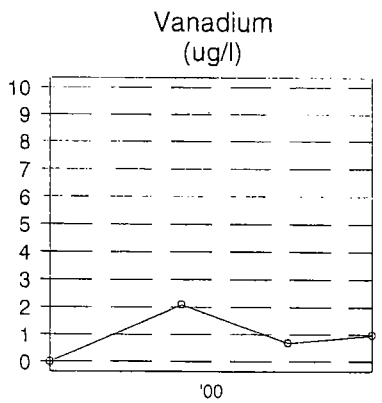
FORT MONMOUTH

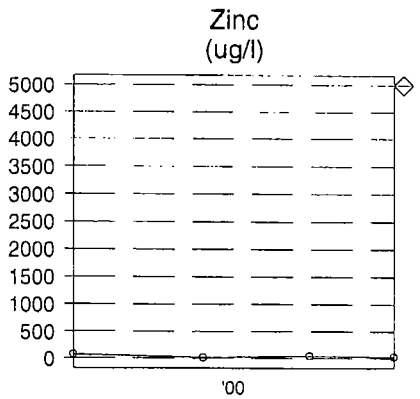
GW MONITORING
Bldg M-4

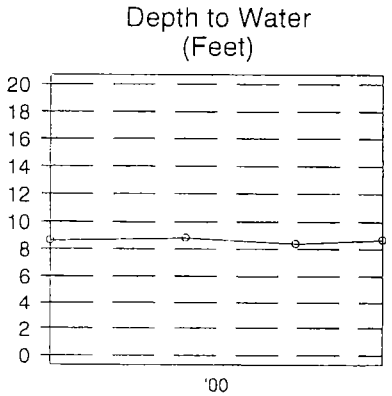
Source 4 of 4

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









SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 10/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 4 of 4, 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

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-4

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5790.06	00M4MW07	29-32571	10/16/00
5790.04	00M4MW08	29-32572	10/16/00
5790.03	00M4MW09	29-32573	10/16/00
5790.05	00M4MW10	29-41644	10/16/00

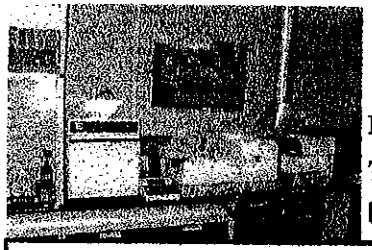
NJDEP Laboratory Certification # 13461

10-27-00
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: JFALLON
Phone #: 826223
(✓)DERA ( )OMA ( )Other:_____

Project No: Low Flow
Location: M4

Samplers Name / Company: David Sharpe

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	TAL METALS								Remarks / Preservation Method
5790-1	FB	10/16/00	0845	AQ	1	✓								HNO_3
2	FD	"	—	AQ	1	✓								"
3	M4MW9	"	1005	AQ	1	✓								"
4	M4MW8	"	1100	AQ	1	✓								"
5	M4MW10	"	1210	AQ	1	✓								"
6	M4MW07	"	1420	AQ	1	✓								"

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	10/16/00 1430	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW07
NJDEP ID#29-32571
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 10/16/00
WEATHER: Cloudy, Breezy
TIDE: Low
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 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: 8.10 ft
Before Purge Start: 8.10 ft **Previous Day: 8.15 ft** **After Sampling: 8.10 ft**
DEPTH OF WELL: 17.61 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 14.5 ft
TUBING: Food grade Polyethylene 1/4"/Silicon
HEIGHT OF WATER: 9.51 ft
9.51 X .65 X 3 = 18.54
(0.65 for 4", 0.163 for 2")
GALLONS OF H2O TO BE PURGED: 18 Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min): PERISTALTIC PUMP
Purged at 360 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: 13:35
pH 4.38 su
DISSOLVED O_2 0.00 mg/L
TEMP 18.21°C
SPECIFIC CONDUCTIVITY 1015 ms/cm

PURGE END TIME: 14:20
pH 4.36 su
DISSOLVED O_2 0.00 mg/L
TEMP 18.09 °C
SPECIFIC CONDUCTIVITY 1015 ms/cm

DEPTH TO H_2O AFTER PURGE AND SAMPLING: 8.10 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 14:15
pH 4.37 su
DISSOLVED O_2 0.00 mg/L
TEMP 18.04 °C
SPECIFIC CONDUCTIVITY 1020 ms/cm

SAMPLE END TIME: 14:19
ANALYTES: TAL Metals
COMMENTS:

FIELD READINGS

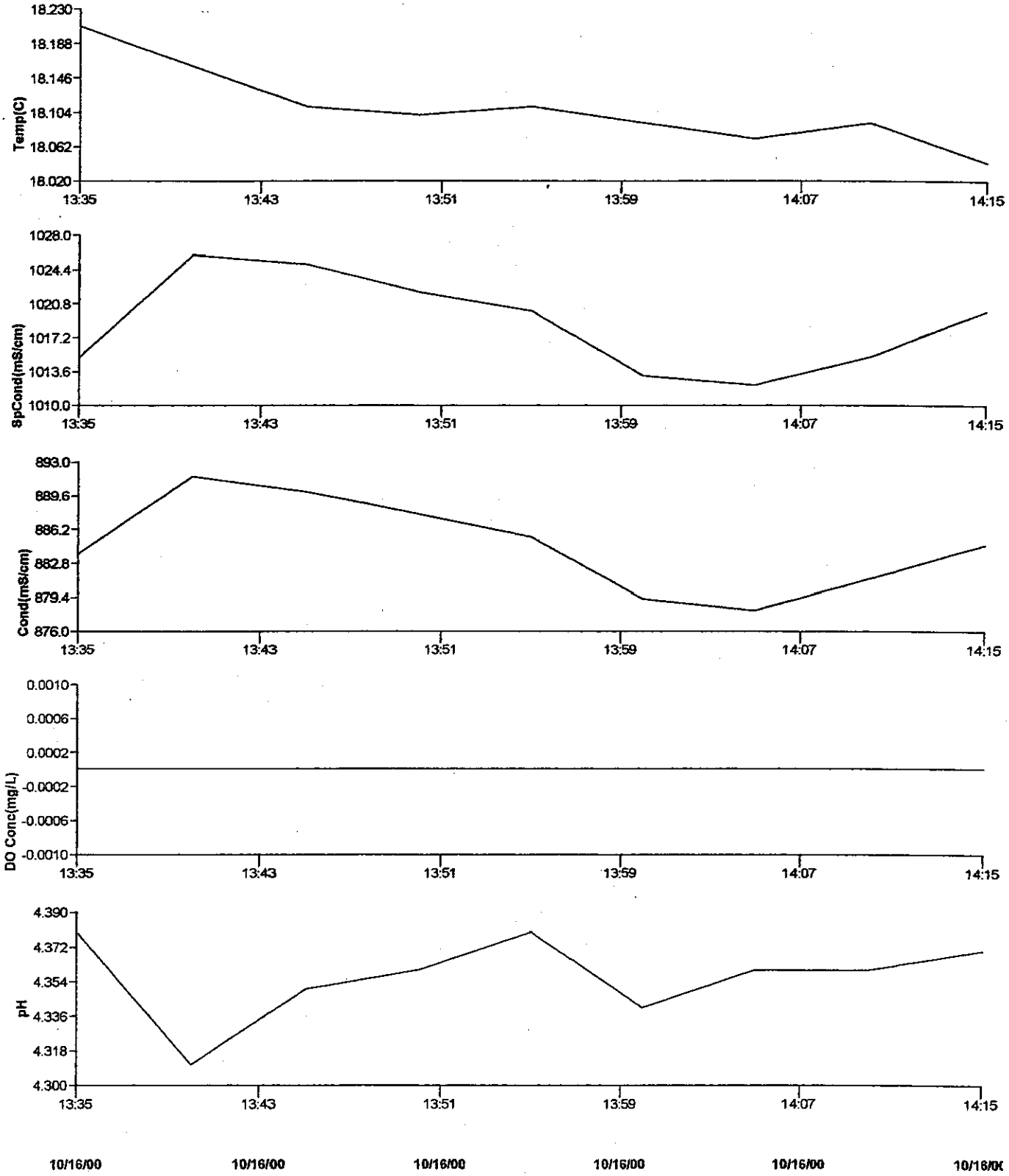
MW: 00M4MW07
NJDEP ID#: 29-32571
DATE: 10/16/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
13:35	4.38	18.21	883.7	1015	0.00	2.16	8.1	360	
13:40	4.31	18.16	891.6	1026	0.00	2.98	8.1	360	
13:45	4.35	18.11	890	1025	0.00	1.82	8.1	360	
13:50	4.36	18.1	887.7	1022	0.00	1.62	8.1	360	
13:55	4.38	18.11	885.4	1020	0.00	1.38	8.1	360	
14:00	4.34	18.09	879.1	1013	0.00	1.57	8.1	360	
14:05	4.36	18.07	877.9	1012	0.00	1.67	8.1	360	
14:10	4.36	18.09	881.1	1015	0.00	0.95	8.1	360	
14:15	4.37	18.04	884.6	1020	0.00	0.92	8.1	360	

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1335	2.16	8.1	360
1340	2.98	8.1	360
1345	1.82	8.1	360
1350	1.62	8.1	360
1355	1.38	8.1	360
1400	1.57	8.1	360
1405	1.67	8.1	360
1410	0.95	8.1	360
1415	0.92	8.1	360

M4MW07-2 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH



(10/16/00)

M4mw07-2

M4MW07-2 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

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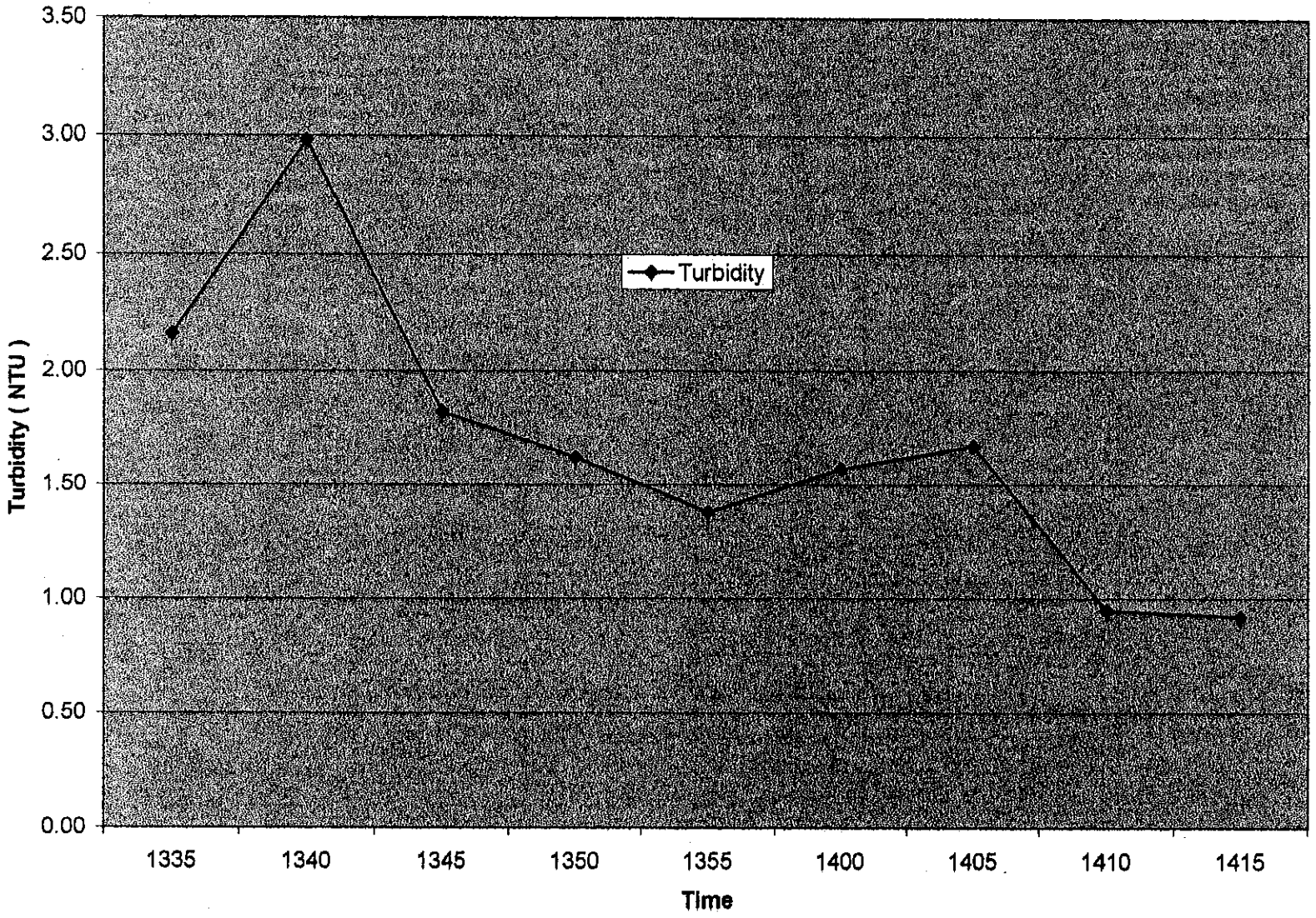
From 10/16/00 13:35 to 10/16/00 14:15
Number of samples: 9

10/16/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
10/16/00 13:35	18.21	1015.000	883.700	0.00	4.38
10/16/00 13:40	18.16	1026.000	891.600	0.00	4.31
10/16/00 13:45	18.11	1025.000	890.000	0.00	4.35
10/16/00 13:50	18.10	1022.000	887.700	0.00	4.36
10/16/00 13:55	18.11	1020.000	885.400	0.00	4.38
10/16/00 14:00	18.09	1013.000	879.100	0.00	4.34
10/16/00 14:05	18.07	1012.000	877.900	0.00	4.36
10/16/00 14:10	18.09	1015.000	881.100	0.00	4.36
10/16/00 14:15	18.04	1020.000	884.600	0.00	4.37

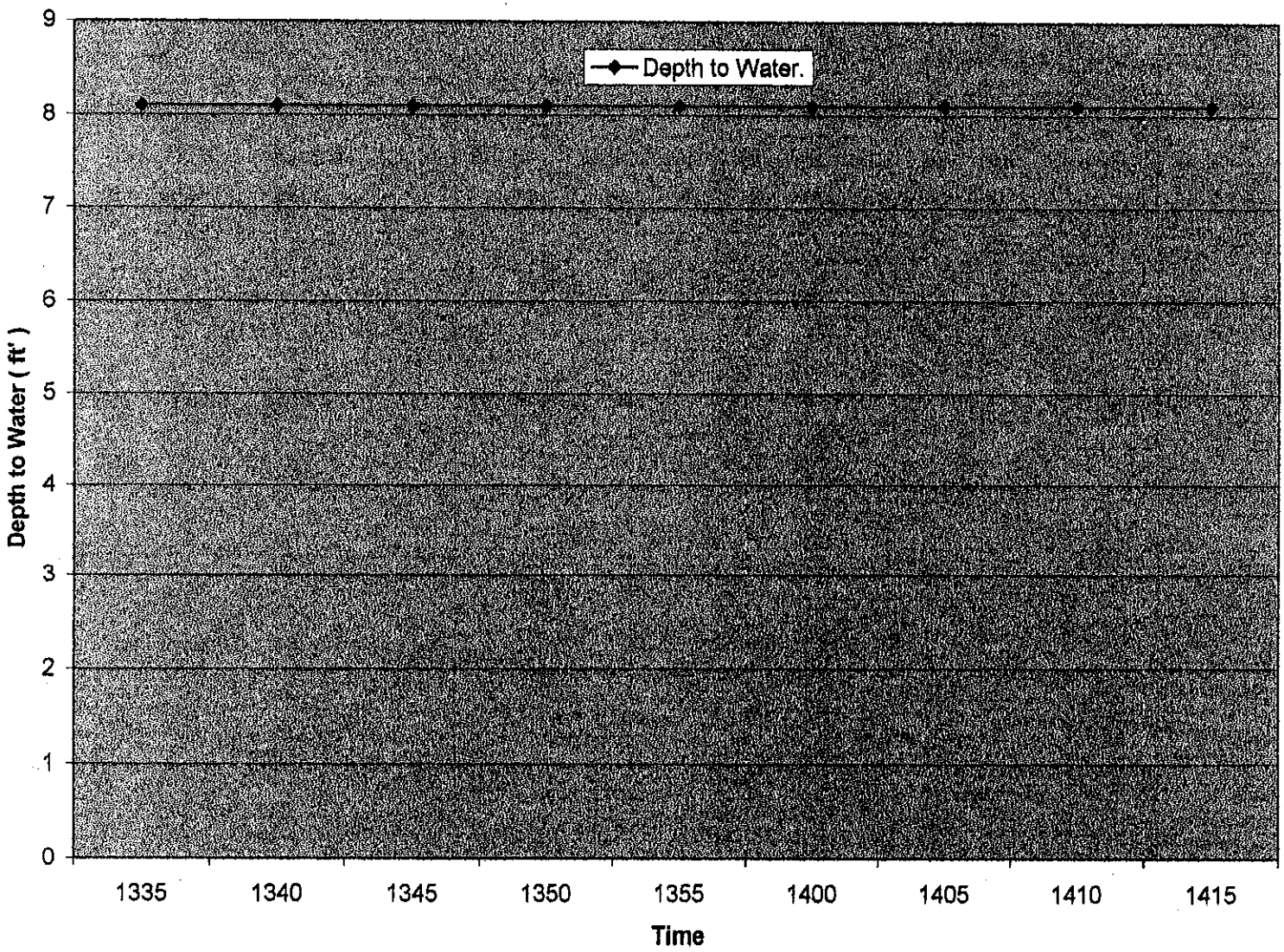
M4MW07
Permit #: 29-32571
10/16/00

Turbidity



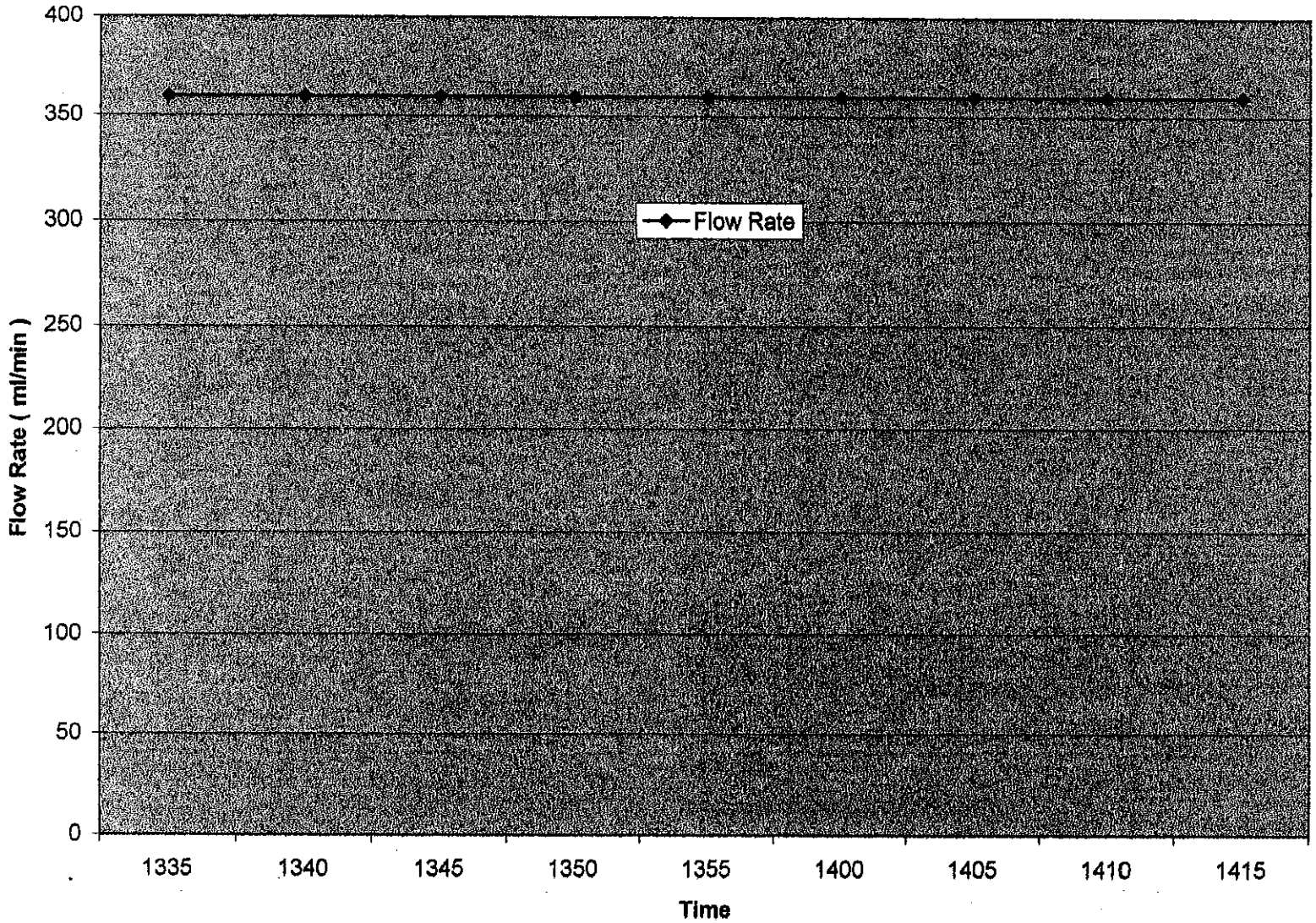
M4MW07
Permit #: 29-32571
10/16/00

Depth to Water.



M4MW07
Permit #: 29-32571
10/16/00

Flow Rate



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW08
NJDEP ID#29-32572
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 10/16/00
WEATHER: Cloudy, Rainy
TIDE: Low
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 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: 7.30 ft
Before Purge Start: 7.30 ft **Previous Day: 7.20 ft** **After Sampling: 7.70 ft**
DEPTH OF WELL: 19.90 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 17.0 ft
TUBING: Food grade Polyethylene 1/4"/Silicon
HEIGHT OF WATER: 12.6 ft
12.6 X .65 X 3 = 24.57
(0.65 for 4", 0.163 for 2")
GALLONS OF H2O TO BE PURGED: 24 Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min): PERISTALTIC 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 6.31 su
DISSOLVED O_2 0.00 mg/L
TEMP 16.34°C
SPECIFIC CONDUCTIVITY 946.6 ms/cm

PURGE END TIME: 11:00
pH 6.28 su
DISSOLVED O_2 0.00 mg/L
TEMP 16.20 °C
SPECIFIC CONDUCTIVITY 952.4 ms/cm

DEPTH TO H_2O AFTER PURGE AND SAMPLING: 7.70 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 10:55
pH 6.27 su
DISSOLVED O_2 0.00 mg/L
TEMP 16.16 °C
SPECIFIC CONDUCTIVITY 952.0 ms/cm

SAMPLE END TIME: 10:59
ANALYTES: TAL Metals
COMMENTS:

FIELD READINGS

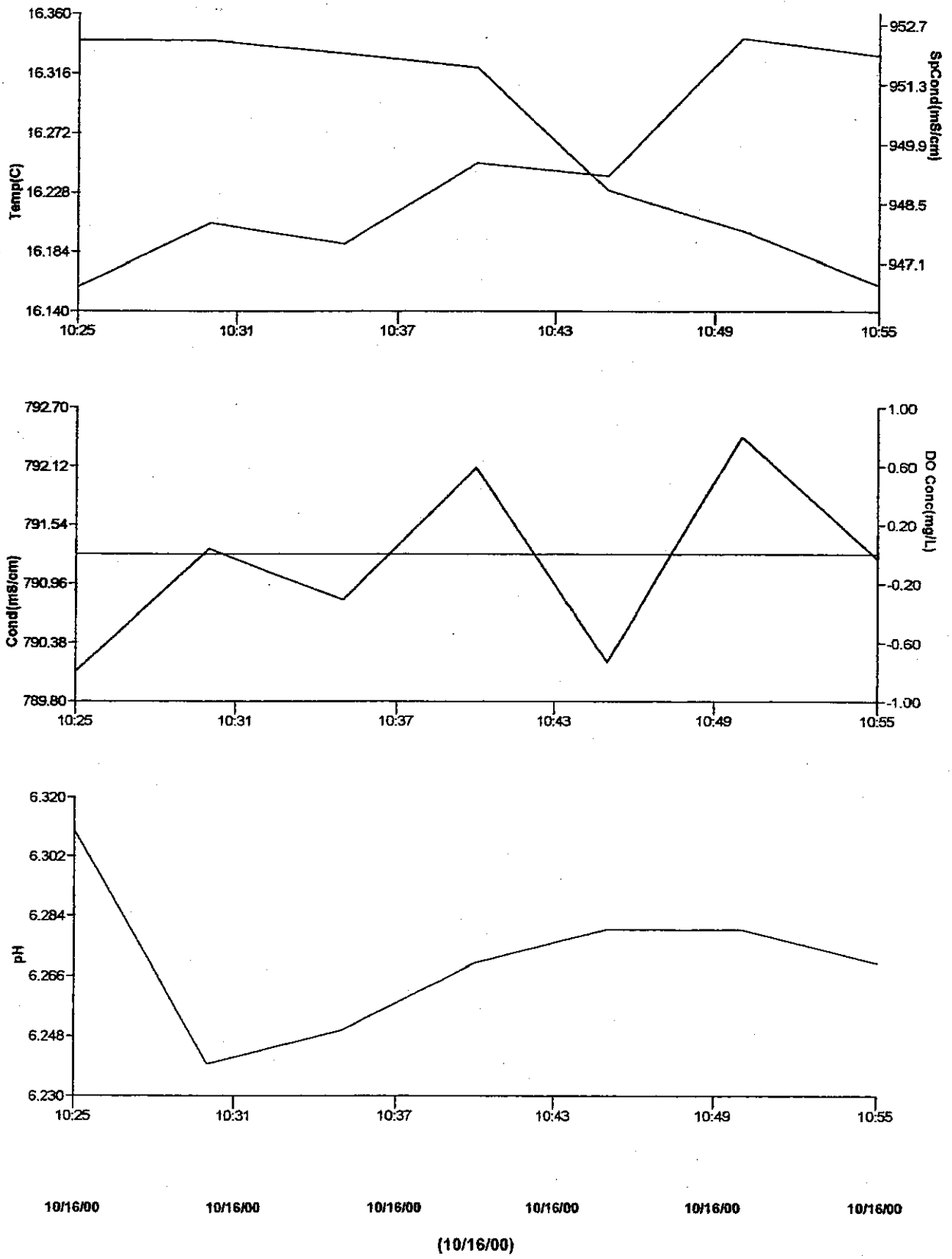
MW: 00M4MW08
NJDEP ID#: 29-32572
DATE: 10/16/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
10:25	6.31	16.34	790.1	946.6	0.00	7.68	7.3	330	
10:30	6.24	16.34	791.3	948.1	0.00	2.6	7.3	330	
10:35	6.25	16.33	790.8	947.6	0.00	3.21	7.3	330	
10:40	6.27	16.32	792.1	949.5	0.00	3.54	7.3	330	
10:45	6.28	16.23	790.2	949.2	0.00	4.36	7.3	330	
10:50	6.28	16.2	792.4	952.4	0.00	3.19	7.3	330	
10:55	6.27	16.16	791.2	952	0.00	3.18	7.7	330	

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1025	7.68	7.3	330
1030	2.60	7.35	330
1035	3.21	7.4	330
1040	3.54	7.5	330
1045	4.36	7.55	330
1050	3.19	7.6	330
1055	3.18	7.7	330

M4MW08-2 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH



M4mw08-2

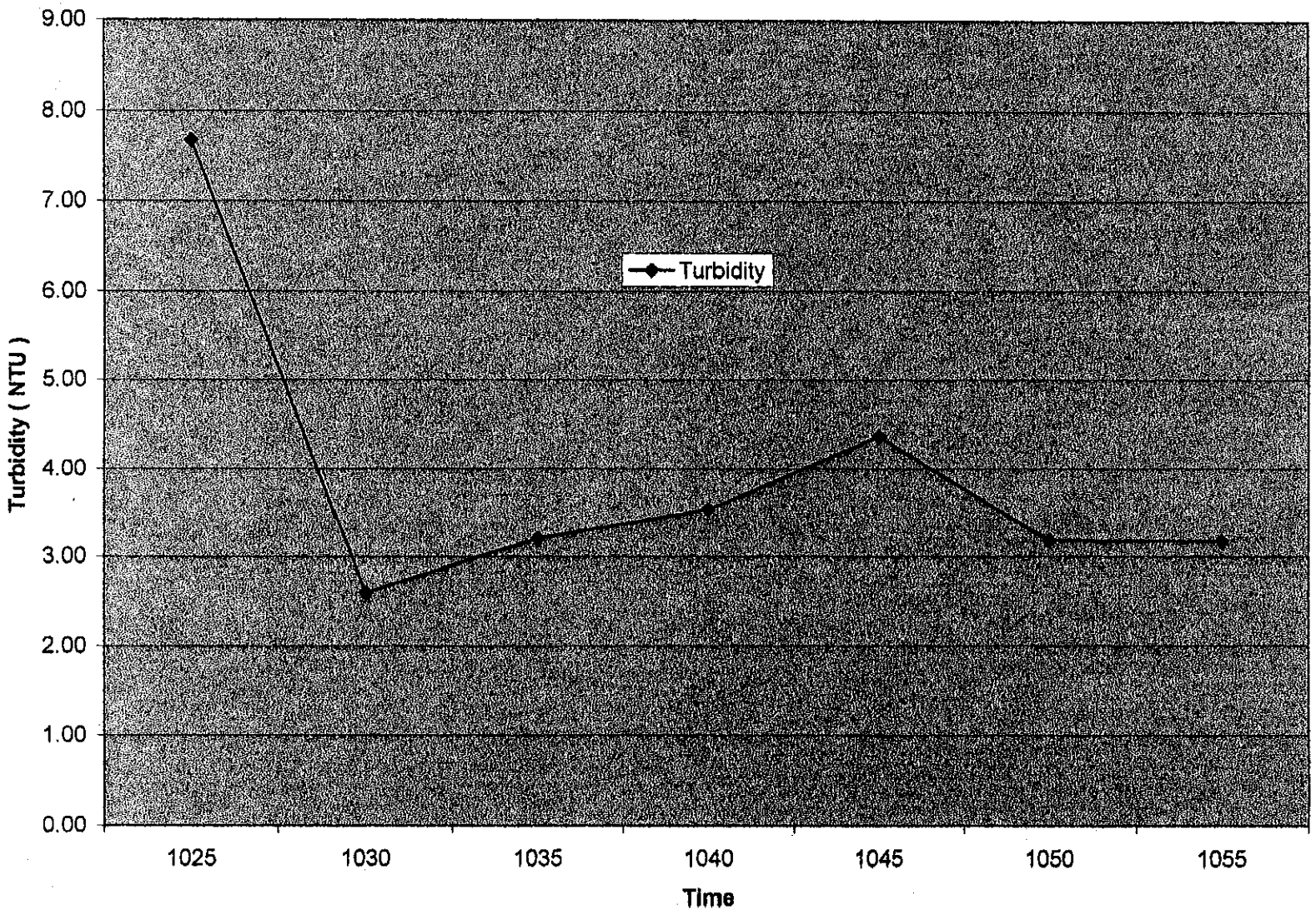
M4MW08-2 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

From 10/16/00 10:25 to 10/16/00 10:55
Number of samples: 7

10/16/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
10/16/00 10:25	16.34	946.600	790.100	0.00	6.31
10/16/00 10:30	16.34	948.100	791.300	0.00	6.24
10/16/00 10:35	16.33	947.600	790.800	0.00	6.25
10/16/00 10:40	16.32	949.500	792.100	0.00	6.27
10/16/00 10:45	16.23	949.200	790.200	0.00	6.28
10/16/00 10:50	16.20	952.400	792.400	0.00	6.28
10/16/00 10:55	16.16	952.000	791.200	0.00	6.27

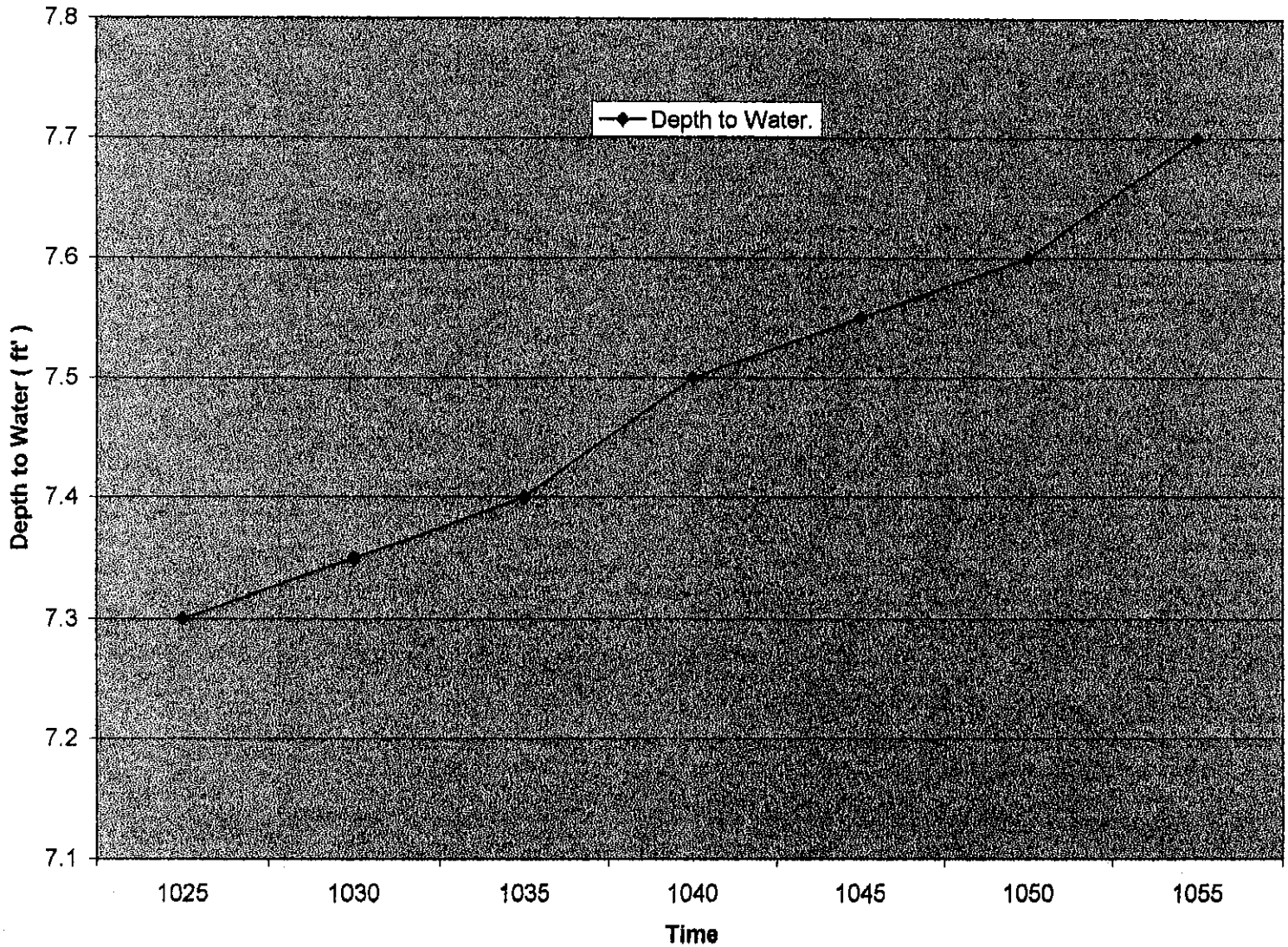
M4MW08
Permit #: 29-32572
10/16/00

Turbidity



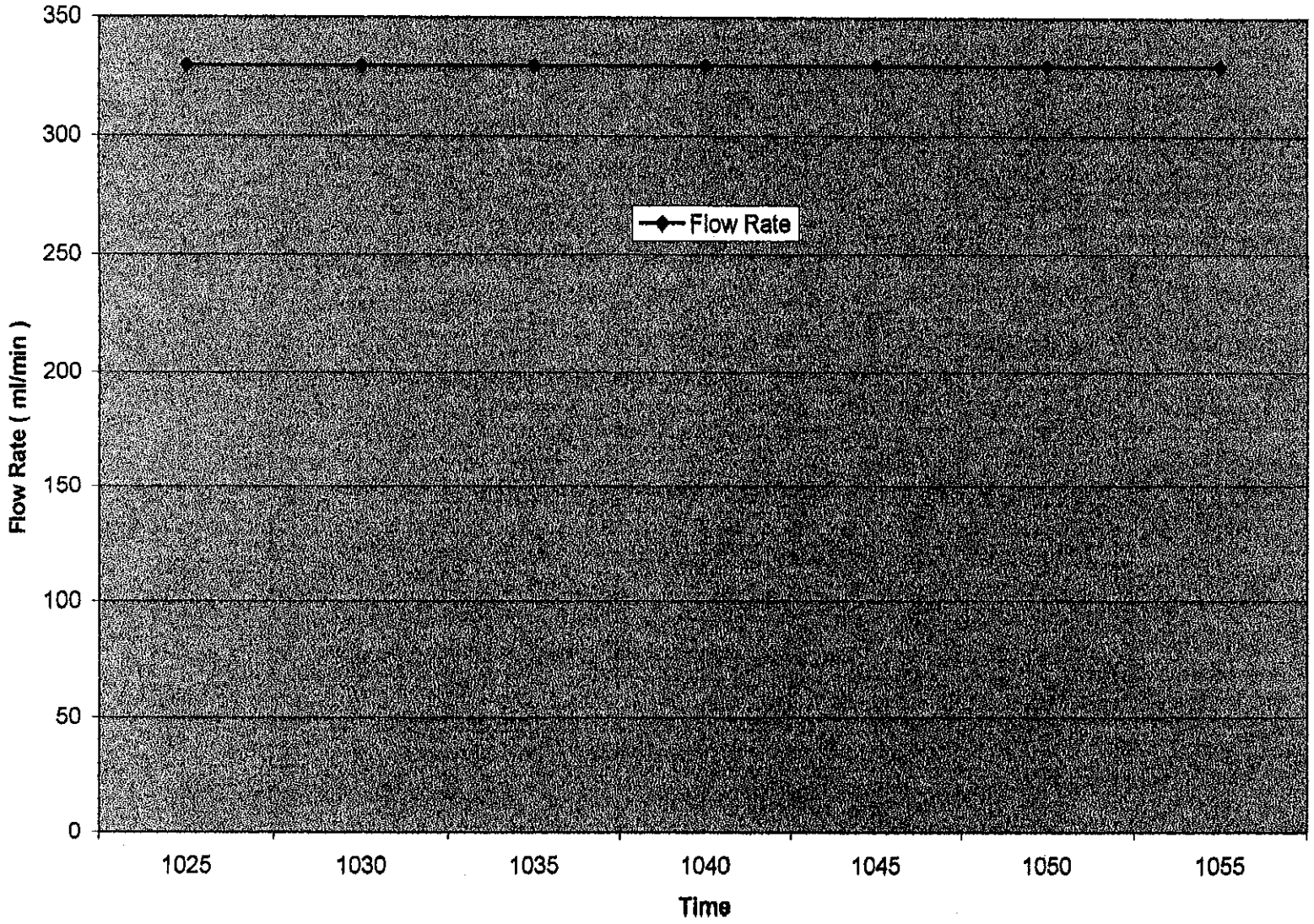
M4MW08
Permit #: 29-32572
10/16/00

Depth to Water.



M4MW08
Permit #: 29-32572
10/16/00

Flow Rate



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW09
NJDEP ID#29-32573
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 10/16/00
WEATHER: Cloudy, Breezy
TIDE: Low
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 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: 6.30 ft
Before Purge Start: 6.30 ft **Previous Day: 6.35 ft** **After Sampling: 6.35 ft**
DEPTH OF WELL: 24.25 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 21.5ft
TUBING: Food grade Polyethylene 1/4"/Silicon
HEIGHT OF WATER: 17.95
17.95 X .65 X 3 = 35.00
(0.65 for 4", 0.163 for 2")
GALLONS OF H2O TO BE PURGED: 35 Gal
PURGE METHOD: (FLOW at >100 TO <500 ml/Min): PERISTALTIC PUMP
Purged at 310 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: 09:10
pH 6.53 su
DISSOLVED O_2 0.00 mg/L
TEMP 17.71°C
SPECIFIC CONDUCTIVITY 974.7 ms/cm

PURGE END TIME: 10:05
pH 6.62 su
DISSOLVED O_2 0.00 mg/L
TEMP 16.61 °C
SPECIFIC CONDUCTIVITY 950.7 ms/cm

DEPTH TO H_2O AFTER PURGE AND SAMPLING: 6.35 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 10:00
pH 6.63 su
DISSOLVED O_2 0.00 mg/L
TEMP 16.56 °C
SPECIFIC CONDUCTIVITY 950.6 ms/cm

SAMPLE END TIME: 10:04
ANALYTES: TAL Metals
COMMENTS: Duplicate here.

FIELD READINGS

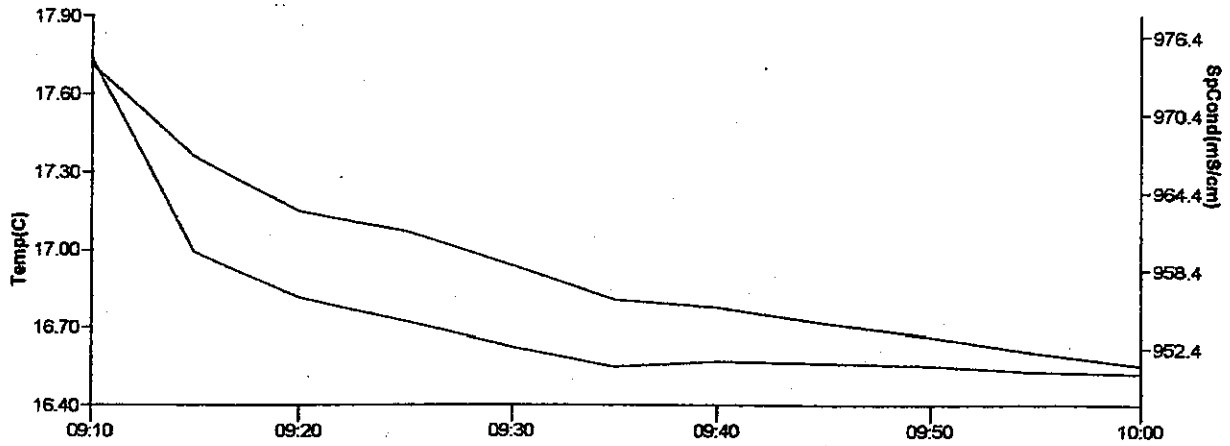
MW: 00M4MW09
NJDEP ID#: 29-32573
DATE: 10/16/00

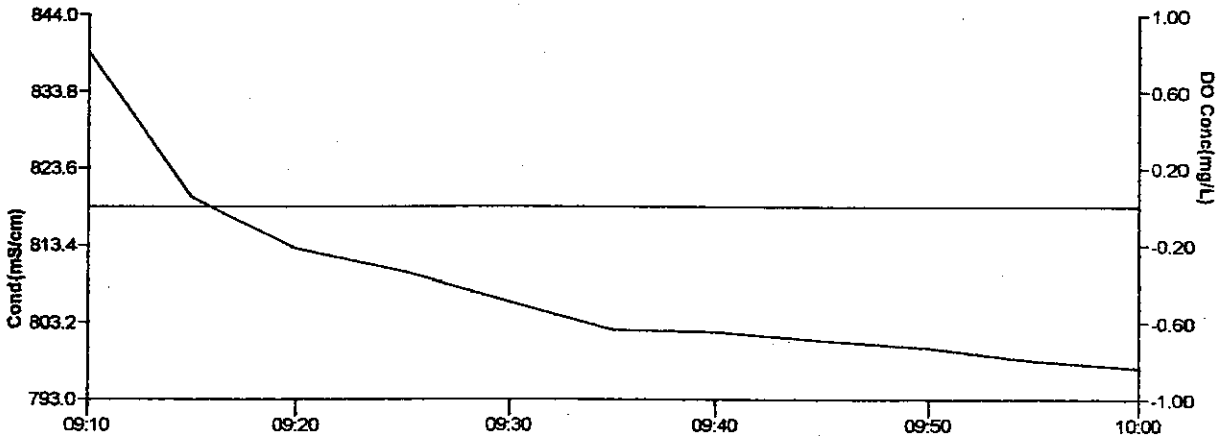
Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
9:10	6.53	17.71	839	974.7	0.00	22.7	6.3	310	
9:15	6.57	17.36	819.8	959.9	0.00	21.4	6.3	310	
9:20	6.59	17.15	813	956.4	0.00	17.2	6.3	310	
9:25	6.61	17.07	809.9	954.5	0.00	16	6.3	310	
9:30	6.61	16.94	806	952.6	0.00	15.4	6.3	310	
9:35	6.62	16.81	802.4	951.1	0.00	10.2	6.3	310	
9:40	6.61	16.78	802.1	951.5	0.00	10.9	6.3	310	
9:45	6.64	16.72	801	51.4	0.00	9.1	6.3	310	
9:50	6.63	16.67	800	951.2	0.00	8.18	6.3	310	
9:55	6.62	16.61	798.5	950.7	0.00	6.71	6.3	310	
10:00	6.63	16.56	797.3	50.6	0.00	5.4	6.35	310	

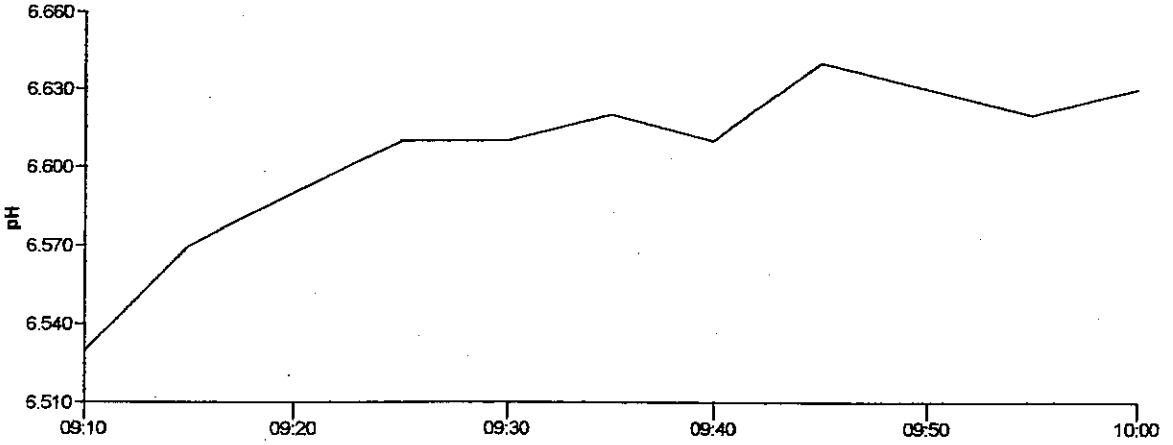
Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
910	22.70	6.3	310
915	21.40	6.3	310
920	17.20	6.3	310
925	16.00	6.3	310
930	15.40	6.3	310
935	10.20	6.3	310
940	10.90	6.3	310
945	9.10	6.3	310
950	8.18	6.35	310
955	6.71	6.35	310
1000	5.40	6.35	310

M4MW09-2 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH







10/16/00 10/16/00 10/16/00 10/16/00 10/16/00 10/16/00

(10/16/00)

M4mw09-2

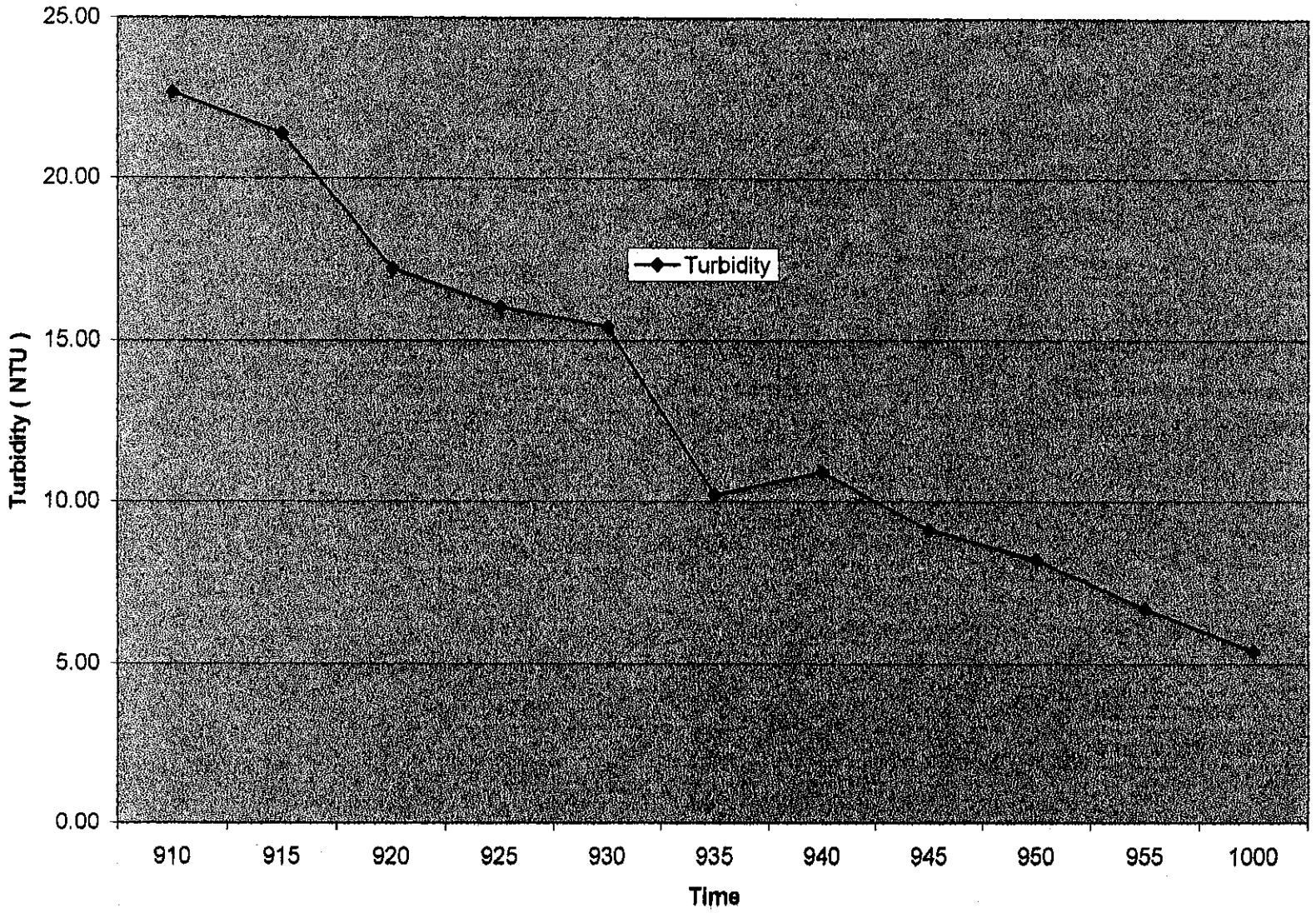
M4MW09-2 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

From 10/16/00 09:10 to 10/16/00 10:00
Number of samples: 11

10/16/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
10/16/00 09:10	17.71	974.700	839.000	0.00	6.53
10/16/00 09:15	17.36	959.900	819.800	0.00	6.57
10/16/00 09:20	17.15	956.400	813.000	0.00	6.59
10/16/00 09:25	17.07	954.500	809.900	0.00	6.61
10/16/00 09:30	16.94	952.600	806.000	0.00	6.61
10/16/00 09:35	16.81	951.100	802.400	0.00	6.62
10/16/00 09:40	16.78	951.500	802.100	0.00	6.61
10/16/00 09:45	16.72	951.400	801.000	0.00	6.64
10/16/00 09:50	16.67	951.200	800.000	0.00	6.63
10/16/00 09:55	16.61	950.700	798.300	0.00	6.62
10/16/00 10:00	16.56	950.600	797.300	0.00	6.63

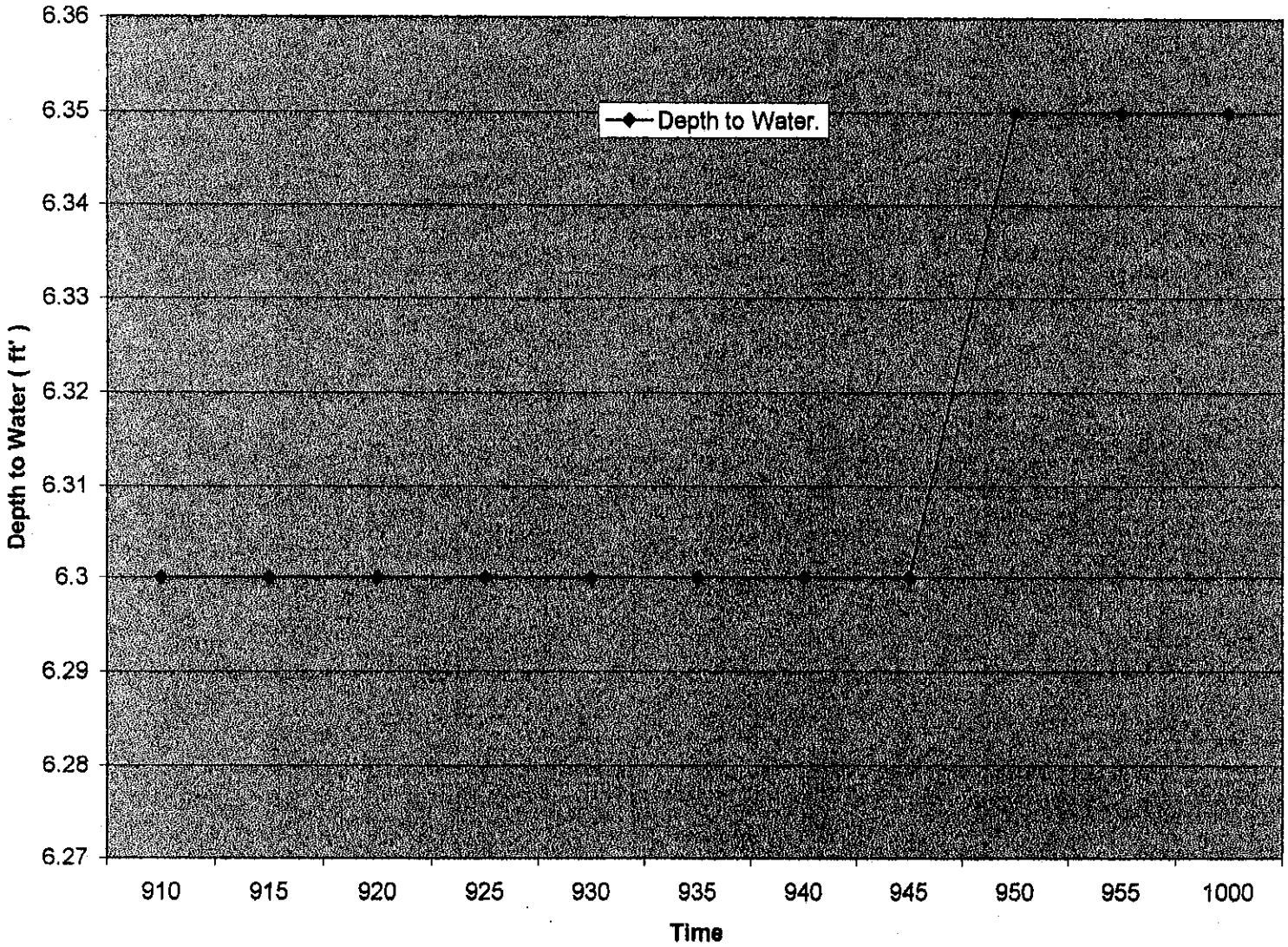
M4MW09
Permit #: 29-32573
10/16/00

Turbidity



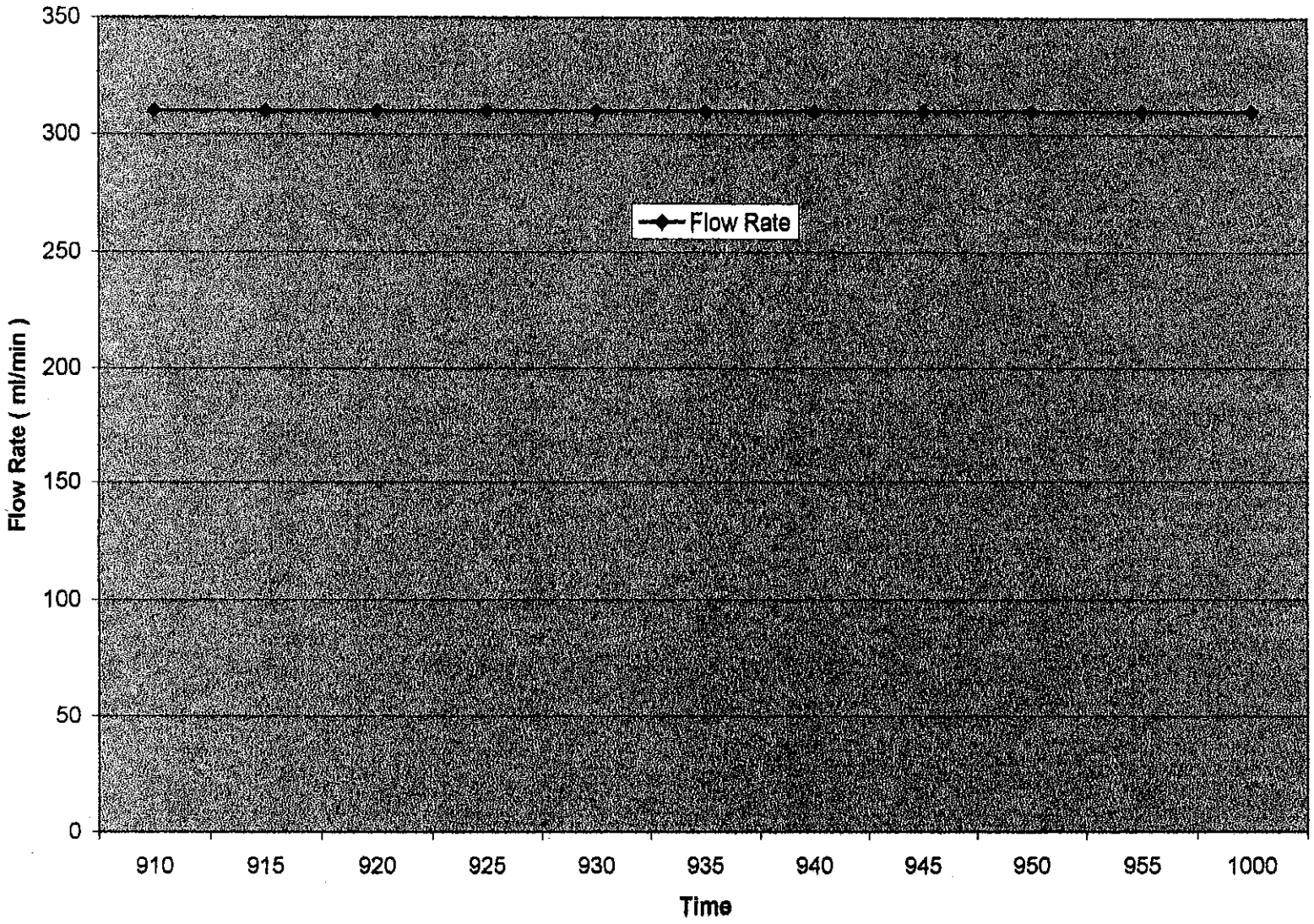
M4MW09
Permit #: 29-32573
10/16/00

Depth to Water.



M4MW09
Permit #: 29-32573
10/16/00

Flow Rate



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW10
NJDEP ID#29-41644
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 10/16/00
WEATHER: Cloudy, Rainy
TIDE: Low
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 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: 8.40 ft
Before Purge Start: 8.40 ft **Previous Day: 8.25 ft** **After Sampling: 8.35 ft**
DEPTH OF WELL: 20.32 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE: 17.0ft
TUBING: Food grade Polyethylene 1/4"/Silicon
HEIGHT OF WATER: 11.92
11.92 X .65 X 3 = 23.24
(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 350 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: 11:25
pH 6.03 su
DISSOLVED O_2 0.00 mg/L
TEMP 14.94°C
SPECIFIC CONDUCTIVITY 816.0 ms/cm

PURGE END TIME: 12:10
pH 6.15 su
DISSOLVED O_2 0.00 mg/L
TEMP 14.99 °C
SPECIFIC CONDUCTIVITY 806.3 ms/cm

DEPTH TO H_2O AFTER PURGE AND SAMPLING: 8.35 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 12:05
pH 6.16 su
DISSOLVED O_2 0.00 mg/L
TEMP 14.97 °C
SPECIFIC CONDUCTIVITY 803.2 ms/cm

SAMPLE END TIME: 12:09
ANALYTES: TAL Metals
COMMENTS:

FIELD READINGS

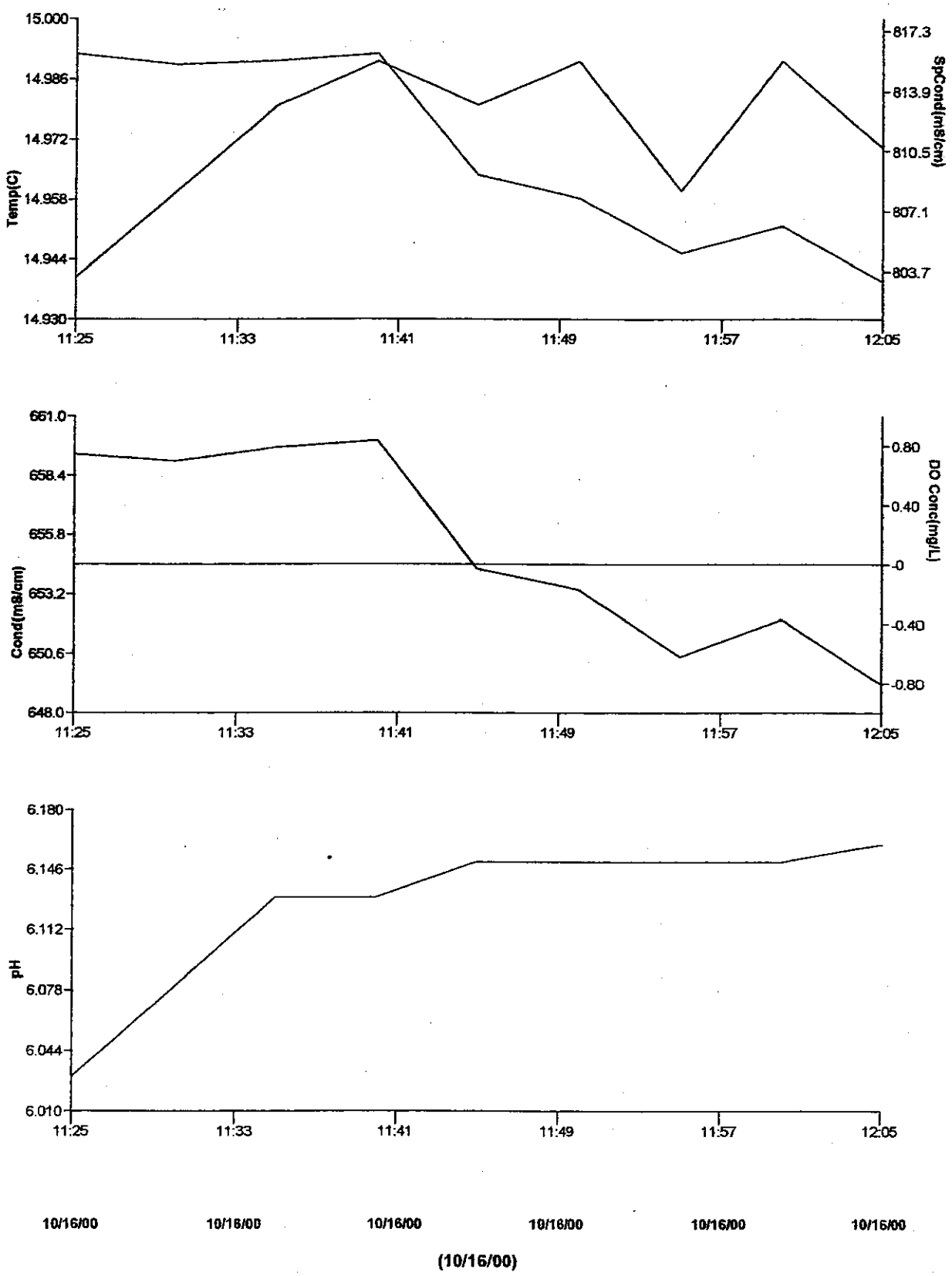
MW: 00M4MW10
NJDEP ID#: 29-41644
DATE: 10/16/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
11:25	6.03	14.94	659.3	816	0.00	2.41	8.4	350	
11:30	6.08	14.96	659	815.4	0.00	0.76	8.4	350	
11:35	6.13	14.98	659.6	815.6	0.00	0.4	8.4	350	
11:40	6.13	14.99	659.9	816	0.00	0.33	8.4	350	
11:45	6.15	14.98	654.3	809.2	0.00	0.4	8.4	350	
11:50	6.15	14.99	653.4	807.9	0.00	0.4	8.4	350	
11:55	6.15	14.96	650.5	804.8	0.00	0.27	8.4	350	
12:00	6.15	14.99	652.1	806.3	0.00	0.35	8.4	350	
12:05	6.16	14.97	649.3	803.2	0.00	0.43	8.35	350	

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1125	2.41	8.4	350
1130	0.76	8.4	350
1135	0.40	8.4	350
1140	0.33	8.4	350
1145	0.40	8.4	350
1150	0.40	8.35	350
1155	0.27	8.35	350
1200	0.35	8.35	350
1205	0.43	8.35	350

M4MW10-2 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH



M4mw10-2

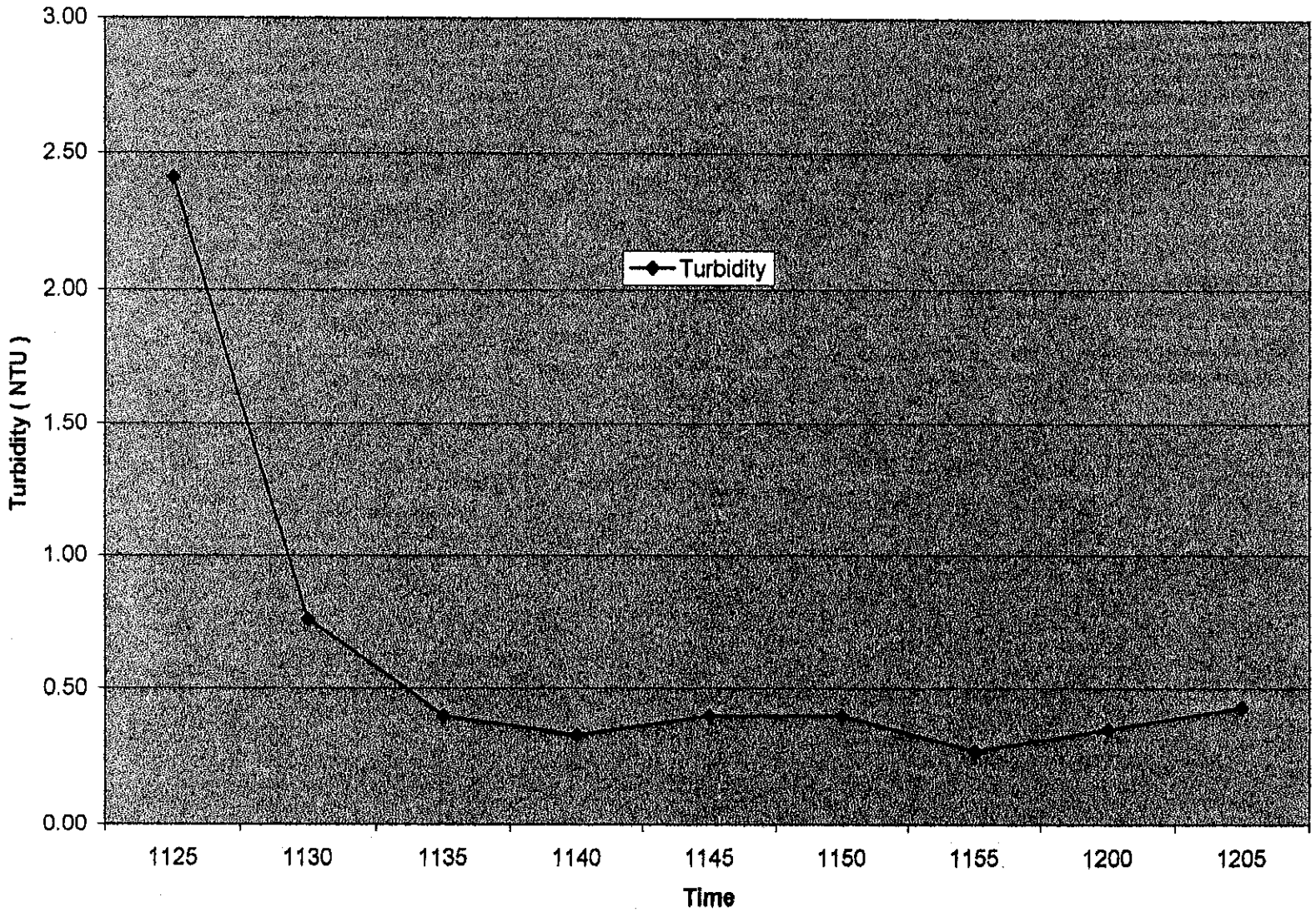
M4MW10-2 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

From 10/16/00 11:25 to 10/16/00 12:05
Number of samples: 9

10/16/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
10/16/00 11:25	14.94	816.000	659.300	0.00	6.03
10/16/00 11:30	14.96	815.400	659.000	0.00	6.08
10/16/00 11:35	14.98	815.600	659.600	0.00	6.13
10/16/00 11:40	14.99	816.000	659.900	0.00	6.13
10/16/00 11:45	14.98	809.200	654.300	0.00	6.15
10/16/00 11:50	14.99	807.900	653.400	0.00	6.15
10/16/00 11:55	14.96	804.800	650.500	0.00	6.15
10/16/00 12:00	14.99	806.300	652.100	0.00	6.15
10/16/00 12:05	14.97	803.200	649.300	0.00	6.16

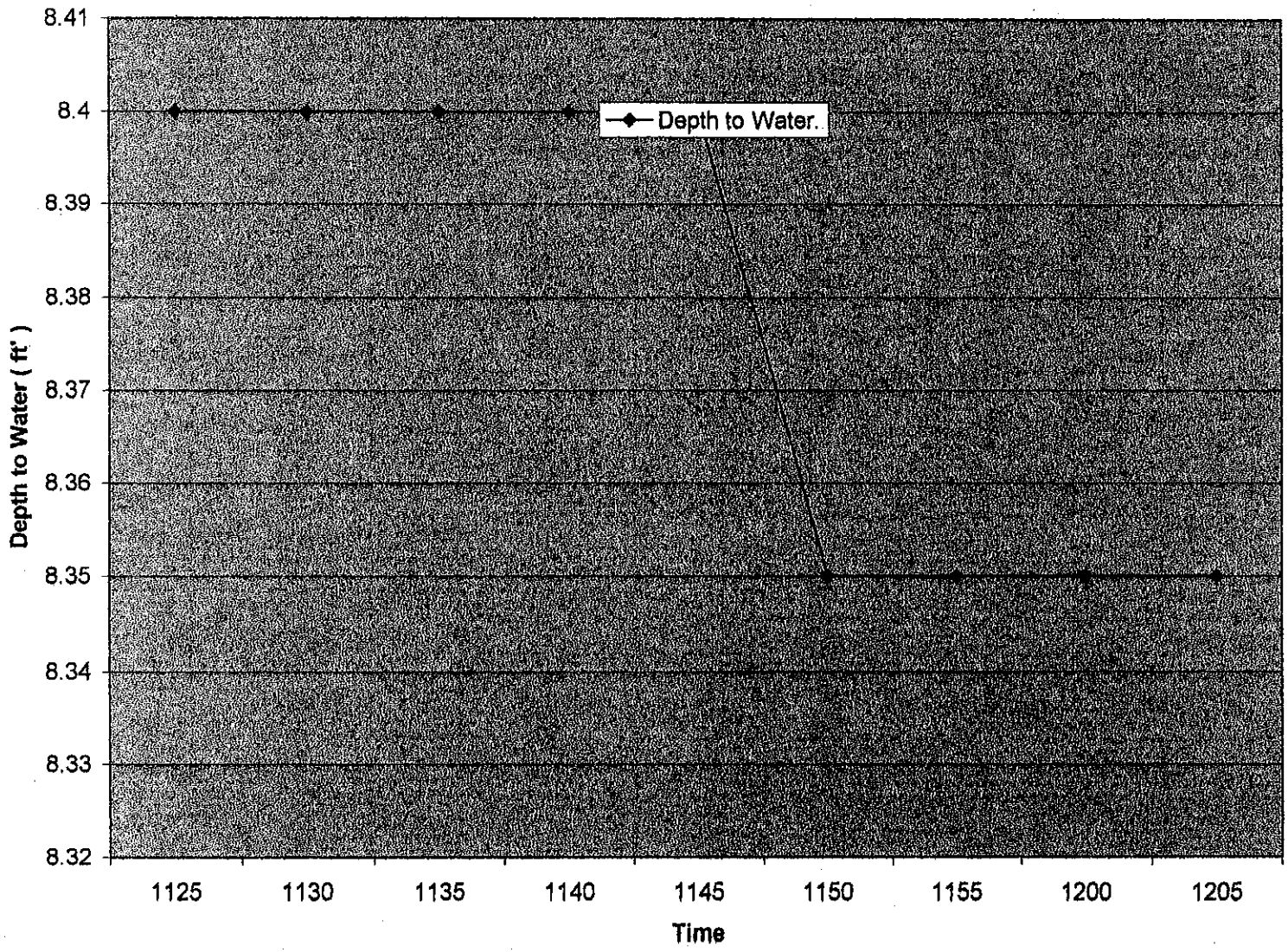
M4MW10
Permit #: 29-41644
10/16/00

Turbidity



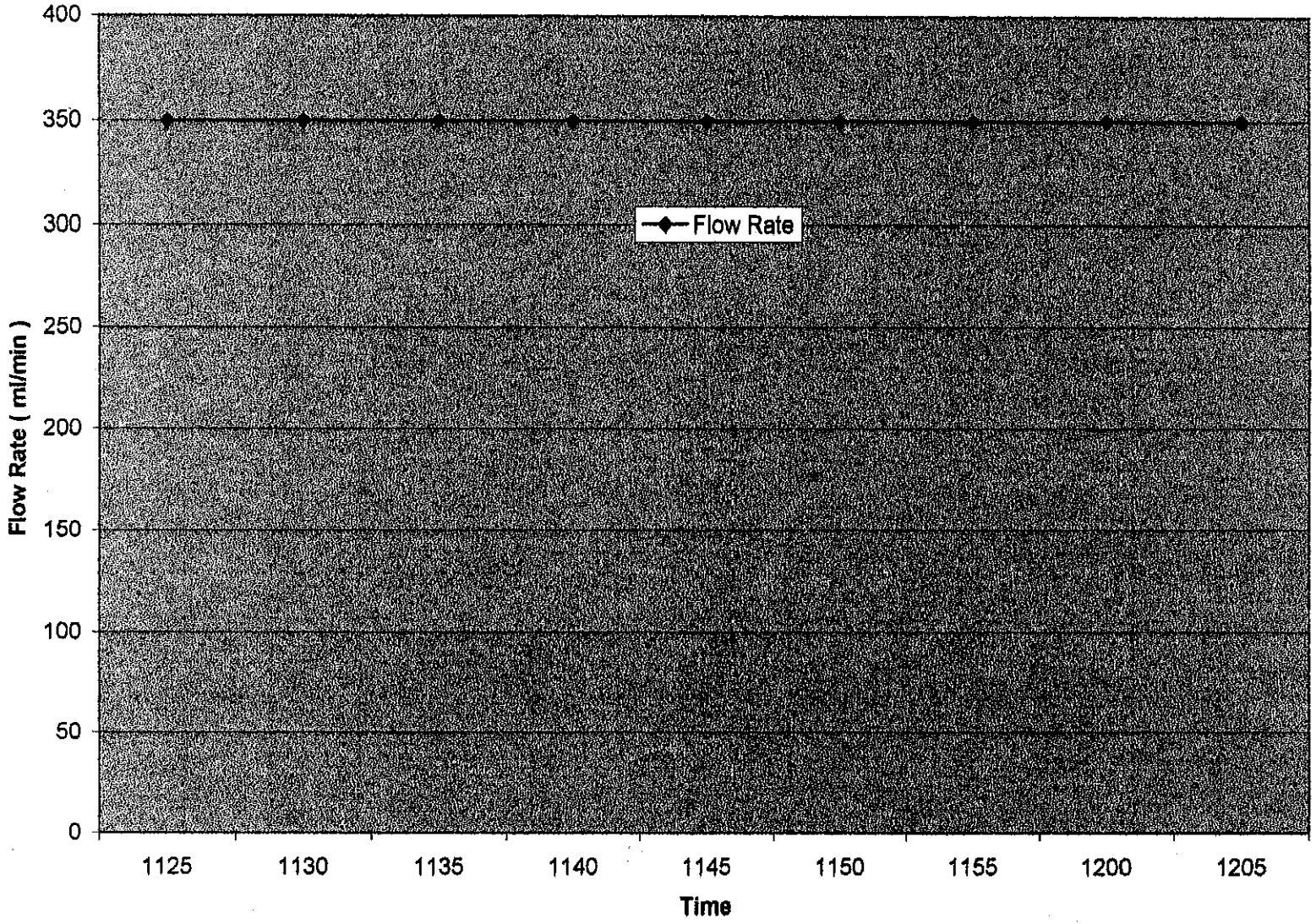
M4MW10
Permit #: 29-41644
10/16/00

Depth to Water.



M4MW10
Permit #: 29-41644
10/16/00

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 #: 5790
Sample Prepared: 10/17/00

Site: M4

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	10/19/00	12.2	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	ND	8	2.0
Barium	10/19/00	ND	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	ND	4	0.5
Calcium	10/19/00	85.3	NLE	20.0
Chromium	10/19/00	ND	100	0.5
Cobalt	10/19/00	ND	NLE	0.5
Copper	10/19/00	ND	1000	2.0
Iron	10/19/00	28.8	300	2.0
Lead	10/19/00	ND	10	2.0
Magnesium	10/19/00	ND	NLE	10.0
Manganese	10/19/00	ND	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	ND	100	1.0
Potassium	10/19/00	ND	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	171	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	0.584	NLE	0.5
Zinc	10/19/00	12.5	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 #: 5790.01
Sample Received: 10/16/00
Sample Matrix: Aqueous

Site: M4

Field ID#:FB

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/19/00	ND	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	ND	8	2.0
Barium	10/19/00	ND	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	ND	4	0.5
Calcium	10/19/00	ND	NLE	20.0
Chromium	10/19/00	ND	100	0.5
Cobalt	10/19/00	ND	NLE	0.5
Copper	10/19/00	ND	1000	2.0
Iron	10/19/00	ND	300	2.0
Lead	10/19/00	ND	10	2.0
Magnesium	10/19/00	ND	NLE	10.0
Manganese	10/19/00	ND	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	ND	100	1.0
Potassium	10/19/00	ND	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	ND	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	ND	NLE	0.5
Zinc	10/19/00	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 #: 5790.02
Sample Received: 10/16/00
Sample Matrix: Aqueous

Site: M4

Field ID#: FD

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/19/00	ND	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	ND	8	2.0
Barium	10/19/00	50.1	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	ND	4	0.5
Calcium	10/19/00	44700	NLE	20.0
Chromium	10/19/00	ND	100	0.5
Cobalt	10/19/00	ND	NLE	0.5
Copper	10/19/00	13.9	1000	2.0
Iron	10/19/00	7830	300	2.0
Lead	10/19/00	ND	10	2.0
Magnesium	10/19/00	5940	NLE	10.0
Manganese	10/19/00	58.7	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	ND	100	1.0
Potassium	10/19/00	7990	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	7820	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	ND	NLE	0.5
Zinc	10/19/00	20.9	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 #: 5790.06
Sample Received: 10/16/00
Sample Matrix: Aqueous

Site: M4

Field ID#: M4MW07

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/19/00	626	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	ND	8	2.0
Barium	10/19/00	41.3	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	0.778	4	0.5
Calcium	10/19/00	15700	NLE	20.0
Chromium	10/19/00	ND	100	0.5
Cobalt	10/19/00	3.97	NLE	0.5
Copper	10/19/00	ND	1000	2.0
Iron	10/19/00	107	300	2.0
Lead	10/19/00	ND	10	2.0
Magnesium	10/19/00	4740	NLE	10.0
Manganese	10/19/00	51.2	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	5.33	100	1.0
Potassium	10/19/00	1550	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	33800	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	1.09	NLE	0.5
Zinc	10/19/00	33.6	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 5790.04
Sample Received: 10/16/00
Sample Matrix: Aqueous

Site: M4

Field ID#: M4MW08

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/19/00	29.9	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	ND	8	2.0
Barium	10/19/00	33.2	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	ND	4	0.5
Calcium	10/19/00	32700	NLE	20.0
Chromium	10/19/00	1.05	100	0.5
Cobalt	10/19/00	ND	NLE	0.5
Copper	10/19/00	ND	1000	2.0
Iron	10/19/00	12500	300	2.0
Lead	10/19/00	ND	10	2.0
Magnesium	10/19/00	5740	NLE	10.0
Manganese	10/19/00	123	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	ND	100	1.0
Potassium	10/19/00	6030	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	10500	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	0.916	NLE	0.5
Zinc	10/19/00	8.38	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 #: 5790.03
Sample Received: 10/16/00
Sample Matrix: Aqueous

Site: M4

Field ID#:M4MW09

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/19/00	36.7	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	ND	8	2.0
Barium	10/19/00	45.3	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	ND	4	0.5
Calcium	10/19/00	41700	NLE	20.0
Chromium	10/19/00	0.741	100	0.5
Cobalt	10/19/00	ND	NLE	0.5
Copper	10/19/00	ND	1000	2.0
Iron	10/19/00	7440	300	2.0
Lead	10/19/00	ND	10	2.0
Magnesium	10/19/00	5480	NLE	10.0
Manganese	10/19/00	53.9	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	ND	100	1.0
Potassium	10/19/00	7230	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	7540	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	0.733	NLE	0.5
Zinc	10/19/00	12.6	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 5790.05
Sample Received: 10/16/00
Sample Matrix: Aqueous

Site: M4

Field ID#: M4MW10

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/19/00	27.8	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	ND	8	2.0
Barium	10/19/00	58.2	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	ND	4	0.5
Calcium	10/19/00	24900	NLE	20.0
Chromium	10/19/00	ND	100	0.5
Cobalt	10/19/00	ND	NLE	0.5
Copper	10/19/00	ND	1000	2.0
Iron	10/19/00	18400	300	2.0
Lead	10/19/00	ND	10	2.0
Magnesium	10/19/00	3210	NLE	10.0
Manganese	10/19/00	103	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	ND	100	1.0
Potassium	10/19/00	7020	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	9520	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	0.990	NLE	0.5
Zinc	10/19/00	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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: M-4

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
12	00M4MW07	29-32571	01/03/01
13	00M4MW08	29-32572	01/03/01
14	00M4MW09	29-32573	01/03/01
15	00M4MW10	29-41644	01/03/01

NJDEP Laboratory Certification # 13461

2-7-01

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. FALION
Phone #: X216223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: M4 wells 1st Qtr '01

Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOCs	TAL MTLS	Pest/PCB	BNA TCS				Hex Cr	Remarks / Preservation Method
9 ~~01~~	Trip	1/3/01	0737	AQ	2	✓							—	
10 ~~02~~	Field Blank		0930		5	✓	✓	✓	✓				—	
11 ~~03~~	Dupe		—		5	✓	✓	✓	✓				—	
12 ~~04~~	M4mw07		1429		5	✓	✓	✓	✓				0.0	29-32571
13 ~~05~~	M4mw08		1453		5	✓	✓	✓	✓				0.0	29-32572
14 ~~06~~	M4mw09 ★		1533		5	✓	✓	✓	✓				0.0	29-32573
15 ~~07~~	M4mw10		1440		5	✓	✓	✓	✓				0.0	29-41644

Comments: HCL/HNO3 / <4°C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	1/3/01 1610	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Shows T/FB/Dp w/ 1122 of same date. CPM
Tide: L

Extracted D.C. 1.5.01

print legibly

Coc.xls12/19/00

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW07
NJDEP ID #: 29-32571
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/03/01
WEATHER: Sunny, cold.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 16.75 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.28 ft
DEPTH OF WELL: 17.61 ft
DEPTH TO TOP OF SCREEN: 5.5 ft
HEIGHT OF WATER: 9.33 ft
(9.33) X .65 X 3 =18.19
GALLONS OF H2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:10
pH 6.97 su
DISSOLVED O2 5.87 ppm
TEMP 12.7 °C
SPECIFIC CONDUCTIVITY 76 us/cm

PURGE END TIME: 14:28
pH 6.91 su
DISSOLVED O2 5.11 ppm
TEMP 12.4 °C
SPECIFIC CONDUCTIVITY 71 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.45 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 14:29
pH 6.92 su
DISSOLVED O2 5.07 ppm
TEMP 12.3 °C
SPECIFIC CONDUCTIVITY 72 us/cm

SAMPLE END TIME: 14:36

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW08
NJDEP ID #: 29-32572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/03/01
WEATHER: Sunny, cold.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 10.68 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.88 ft
DEPTH OF WELL: 19.90 ft
DEPTH TO TOP OF SCREEN: 4.00 ft
HEIGHT OF WATER: 12.02 ft
(12.02) X .65 X 3 = 23.43
GALLONS OF H2O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:12
pH 6.97 su
DISSOLVED O2 5.93 ppm
TEMP 12.9 °C
SPECIFIC CONDUCTIVITY 270 us/cm

PURGE END TIME: 14:52
pH 6.89 su
DISSOLVED O2 5.10 ppm
TEMP 12.4 °C
SPECIFIC CONDUCTIVITY 279 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.78 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 14:53
pH 6.88 su
DISSOLVED O2 5.09 ppm
TEMP 12.3 °C
SPECIFIC CONDUCTIVITY 279 us/cm

SAMPLE END TIME: 14:57

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW09
NJDEP ID #: 29-32573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/03/01
WEATHER: Sunny, cold.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 9.69 ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.49 ft
DEPTH OF WELL: 24.25 ft
DEPTH TO TOP OF SCREEN: 7.00 ft
HEIGHT OF WATER: 17.76 ft
(17.76) X .65 X 3 = 34.63
GALLONS OF H2O TO BE PURGED: 35 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:00
pH 6.89 su
DISSOLVED O2 5.97 ppm
TEMP 12.7 °C
SPECIFIC CONDUCTIVITY 87 us/cm

PURGE END TIME: 15:32
pH 6.92 su
DISSOLVED O2 5.27 ppm
TEMP 12.2 °C
SPECIFIC CONDUCTIVITY 81 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.00 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 35 gal

SAMPLE START TIME: 15:33
pH 6.93 su
DISSOLVED O2 5.26 ppm
TEMP 12.1 °C
SPECIFIC CONDUCTIVITY 80 us/cm

SAMPLE END TIME: 15:37

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: M-4
MW#: 00M4MW10
NJDEP ID #: 29-41644
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/03/01
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: 8.83 ft
DEPTH OF WELL: 20.32 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.49 ft
(11.49) X .65 X 3 =22.40
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: 13:04
pH 6.97 su
DISSOLVED O2 5.79 ppm
TEMP 12.8 °C
SPECIFIC CONDUCTIVITY 77 us/cm

PURGE END TIME: 14:39
pH 6.93 su
DISSOLVED O2 4.87 ppm
TEMP 12.4 °C
SPECIFIC CONDUCTIVITY 76 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.99 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 14:40
pH 6.92 su
DISSOLVED O2 4.85 ppm
TEMP 12.5 °C
SPECIFIC CONDUCTIVITY 76 us/cm

SAMPLE END TIME: 14:47

COMMENTS:

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

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

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

Data File	**VC004658.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**10-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

1/16/01 9:14 AM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 011001**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 9-15 Location: M4 SDG No.: _____

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

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004658.D

Level: (low/med) LOW Date Received: 1/3/01

% Moisture: not dec. _____ Date Analyzed: 1/10/01

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	**VC004659.D**	Sample Name	**9**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**10-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	11.17	261391	3.65 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

1/16/01 9:14 AM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 9-15 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004659.D

Level: (low/med) LOW Date Received: 1/3/01

% Moisture: not dec. Date Analyzed: 1/10/01

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	**VC004660.D**	Sample Name	**10**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**10-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	524900	7.62 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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 9-15 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004660.D

Level: (low/med) LOW Date Received: 1/3/01

% Moisture: not dec. Date Analyzed: 1/10/01

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	**VC004661.D**	Sample Name	**11**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**10-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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 9-15 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 11

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004661.D

Level: (low/med) LOW Date Received: 1/3/01

% Moisture: not dec. Date Analyzed: 1/10/01

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	**VC004662.D**	Sample Name	**12**
Operator	**Skelton**	Field ID	**00M4MW07**
Date Aquired	**10-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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **00M4MW07**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 9-15 Location: M4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 12

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004662.D

Level: (low/med) LOW Date Received: 1/3/01

% Moisture: not dec. _____ Date Analyzed: 1/10/01

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	**VC004663.D**	Sample Name	**13**
Operator	**Skelton**	Field ID	**00M4MW08**
Date Aquired	**10-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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **00M4MW08**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 9-15 Location: M4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 13

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004663.D

Level: (low/med) LOW Date Received: 1/3/01

% Moisture: not dec. _____ Date Analyzed: 1/10/01

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	**VC004664.D**	Sample Name	**14**
Operator	**Skelton**	Field ID	**00M4MW09**
Date Aquired	**10-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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **00M4MW09**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 9-15 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 14

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004664.D

Level: (low/med) LOW Date Received: 1/3/01

% Moisture: not dec. Date Analyzed: 1/10/01

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	**VC004665.D**	Sample Name	**15**
Operator	**Skelton**	Field ID	**00M4MW10**
Date Aquired	**10-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

1/16/01 9:14 AM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **00M4MW10**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 9-15 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 15

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004665.D

Level: (low/med) LOW Date Received: 1/3/01

% Moisture: not dec. Date Analyzed: 1/10/01

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	**BNA04812.D**	Sample Name	**MB-**
Operator	**Bhaskar**	Misc Info	**MB- 010108**
Date Acquired	**9-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	**BNA04812.D**	Sample Name	**MB-**
Operator	**Bhaskar**	Misc Info	**MB- 010108**
Date Acquired	**9-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	27.96	1787600	56.34 ug/L	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-010108**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 10-15 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB-010108

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04812.D

Level: (low/med) LOW Date Received: 1/3/01

% Moisture: decanted: (Y/N) N Date Extracted: 1/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/9/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

Number TICs found: 16

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	23.87	6	J
2.	unknown	27.45	7	J
3.	unknown	27.49	6	J
4.	unknown	27.58	7	J
5.	unknown	27.75	7	J
6.	unknown	28.10	8	J
7.	unknown	28.24	8	J
8.	unknown	28.29	5	J
9.	unknown	28.39	5	J
10.	unknown	28.50	8	J
11.	unknown	28.56	5	J
12.	unknown	28.91	6	J
13.	unknown	29.02	5	J
14.	unknown	29.10	7	J
15.	unknown	29.29	6	J
16.	unknown	29.89	5	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04814.D**	Sample Name	**10**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**9-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	**BNA04814.D**	Sample Name	**10**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**9-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.: 10-15 Location: M4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 10

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04814.D

Level: (low/med) LOW Date Received: 1/3/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/9/01

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	**BNA04815.D**	Sample Name	**11**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**9-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
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Data File Name	**BNA04815.D**	Sample Name	**11**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**9-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.: 10-15 Location: M4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 11

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04815.D

Level: (low/med) LOW Date Received: 1/3/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/9/01

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	**BNA04816.D**	Sample Name	**12**
Operator	**Bhaskar**	Misc Info	**00M4MW07**
Date Acquired	**9-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
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Data File Name	**BNA04816.D**	Sample Name	**12**
Operator	**Bhaskar**	Misc Info	**00M4MW07**
Date Acquired	**9-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: **00M4MW07**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 10-15 Location: M4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 12

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04816.D

Level: (low/med) LOW Date Received: 1/3/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/9/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04817.D**	Sample Name	**13**
Operator	**Bhaskar**	Misc Info	**00M4MW08**
Date Acquired	**9-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	**BNA04817.D**	Sample Name	**13**
Operator	**Bhaskar**	Misc Info	**00M4MW08**
Date Acquired	**9-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: **00M4MW08**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 10-15 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 13

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04817.D

Level: (low/med) LOW Date Received: 1/3/01

% Moisture: decanted: (Y/N) N Date Extracted: 1/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/9/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04818.D**	Sample Name	**14**
Operator	**Bhaskar**	Misc Info	**00M4MW09**
Date Acquired	**9-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	**BNA04818.D**	Sample Name	**14**
Operator	**Bhaskar**	Misc Info	**00M4MW09**
Date Acquired	**9-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: **00M4MW09**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 10-15 Location: M4 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 14

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04818.D

Level: (low/med) LOW Date Received: 1/3/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 1/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/9/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04819.D**	Sample Name	**15**
Operator	**Bhaskar**	Misc Info	**00M4MW10**
Date Acquired	**9-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	**BNA04819.D**	Sample Name	**15**
Operator	**Bhaskar**	Misc Info	**00M4MW10**
Date Acquired	**9-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: **00M4MW10**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 10-15 Location: M4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 15

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04819.D

Level: (low/med) LOW Date Received: 1/3/01

% Moisture: decanted: (Y/N) N Date Extracted: 1/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 1/9/01

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	29.48	22	J
2.	unknown	29.80	90	J

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

Client :	U.S. Army	**Lab. ID # :**	MB38
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	1/5/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/8/01
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 # :**	10
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/3/01
	Bldg. 173	**Extraction Date:**	1/5/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/8/01
Analysis:	EPA Method 608	**Location :**	M4 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 # :**	11
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/3/01
	Bldg. 173	**Extraction Date:**	1/5/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/8/01
Analysis:	EPA Method 608	**Location :**	M4 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 # :**	12
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/3/01
	Bldg. 173	**Extraction Date:**	1/5/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/8/01
Analysis:	EPA Method 608	**Location :**	M4 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M4MW07
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 # :**	13
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/3/01
	Bldg. 173	**Extraction Date:**	1/5/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/8/01
Analysis:	EPA Method 608	**Location :**	M4 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M4MW08
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 # :**	14
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/3/01
	Bldg. 173	**Extraction Date:**	1/5/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/8/01
Analysis:	EPA Method 608	**Location :**	M4 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M4MW09
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 # :**	15
	DPW, SELFM-PW-EV	**Date Rec'd:**	1/3/01
	Bldg. 173	**Extraction Date:**	1/5/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/8/01
Analysis:	EPA Method 608	**Location :**	M4 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	M4MW10
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 #: 10-15
Sample Prepared: 01/11/01

Site: M-4

Field ID#: Method Blank

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/11/01	ND	200	10.0
Antimony	01/11/01	ND	20	2.0
Arsenic	01/11/01	ND	8	2.0
Barium	01/11/01	ND	2000	0.5
Beryllium	01/11/01	ND	20	0.5
Cadmium	01/11/01	ND	4	0.5
Calcium	01/11/01	ND	NLE	20.0
Chromium	01/11/01	ND	100	0.5
Cobalt	01/11/01	ND	NLE	0.5
Copper	01/11/01	ND	1000	2.0
Iron	01/11/01	116	300	2.0
Lead	01/11/01	ND	10	1.0
Magnesium	01/11/01	ND	NLE	10.0
Manganese	01/11/01	1.79	50	0.5
Mercury	01/10/01	ND	2	0.1
Nickel	01/11/01	ND	100	1.0
Potassium	01/11/01	ND	NLE	40.0
Selenium	01/11/01	ND	50	3.0
Silver	01/11/01	ND	20	1.0
Sodium	01/11/01	ND	50000	20.0
Thallium	01/11/01	ND	10	2.0
Vanadium	01/11/01	ND	NLE	0.5
Zinc	01/11/01	8.03	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 10
Sample Received: 01/03/01
Sample Matrix: Aqueous

Site: M-4

Field ID#: Field Blank

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/11/01	ND	200	10.0
Antimony	01/11/01	ND	20	2.0
Arsenic	01/11/01	ND	8	2.0
Barium	01/11/01	1.12	2000	0.5
Beryllium	01/11/01	ND	20	0.5
Cadmium	01/11/01	ND	4	0.5
Calcium	01/11/01	ND	NLE	20.0
Chromium	01/11/01	ND	100	0.5
Cobalt	01/11/01	0.619	NLE	0.5
Copper	01/11/01	ND	1000	2.0
Iron	01/11/01	ND	300	2.0
Lead	01/11/01	ND	10	1.0
Magnesium	01/11/01	70.7	NLE	10.0
Manganese	01/11/01	ND	50	0.5
Mercury	01/10/01	ND	2	0.1
Nickel	01/11/01	ND	100	1.0
Potassium	01/11/01	ND	NLE	40.0
Selenium	01/11/01	ND	50	3.0
Silver	01/11/01	ND	20	1.0
Sodium	01/11/01	ND	50000	20.0
Thallium	01/11/01	ND	10	2.0
Vanadium	01/11/01	ND	NLE	0.5
Zinc	01/11/01	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 #: 11
Sample Received: 01/03/01
Sample Matrix: Aqueous

Site: M-4

Field ID#: Dupe

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/11/01	ND	200	10.0
Antimony	01/11/01	ND	20	2.0
Arsenic	01/11/01	ND	8	2.0
Barium	01/11/01	55.3	2000	0.5
Beryllium	01/11/01	ND	20	0.5
Cadmium	01/11/01	ND	4	0.5
Calcium	01/11/01	44300	NLE	20.0
Chromium	01/11/01	ND	100	0.5
Cobalt	01/11/01	ND	NLE	0.5
Copper	01/11/01	ND	1000	2.0
Iron	01/11/01	8140	300	2.0
Lead	01/11/01	ND	10	1.0
Magnesium	01/11/01	6520	NLE	10.0
Manganese	01/11/01	43.0	50	0.5
Mercury	01/10/01	ND	2	0.1
Nickel	01/11/01	ND	100	1.0
Potassium	01/11/01	7840	NLE	40.0
Selenium	01/11/01	ND	50	3.0
Silver	01/11/01	ND	20	1.0
Sodium	01/11/01	6450	50000	20.0
Thallium	01/11/01	ND	10	2.0
Vanadium	01/11/01	ND	NLE	0.5
Zinc	01/11/01	14.1	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 #: 12
Sample Received: 01/03/01
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW07

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/11/01	874	200	10.0
Antimony	01/11/01	ND	20	2.0
Arsenic	01/11/01	ND	8	2.0
Barium	01/11/01	53.7	2000	0.5
Beryllium	01/11/01	ND	20	0.5
Cadmium	01/11/01	0.920	4	0.5
Calcium	01/11/01	24100	NLE	20.0
Chromium	01/11/01	ND	100	0.5
Cobalt	01/11/01	5.87	NLE	0.5
Copper	01/11/01	ND	1000	2.0
Iron	01/11/01	361	300	2.0
Lead	01/11/01	ND	10	1.0
Magnesium	01/11/01	7230	NLE	10.0
Manganese	01/11/01	66.3	50	0.5
Mercury	01/10/01	ND	2	0.1
Nickel	01/11/01	3.72	100	1.0
Potassium	01/11/01	1800	NLE	40.0
Selenium	01/11/01	ND	50	3.0
Silver	01/11/01	ND	20	1.0
Sodium	01/11/01	48700	50000	20.0
Thallium	01/11/01	ND	10	2.0
Vanadium	01/11/01	ND	NLE	0.5
Zinc	01/11/01	32.0	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 #: 13
Sample Received: 01/03/01
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW08

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/11/01	ND	200	10.0
Antimony	01/11/01	ND	20	2.0
Arsenic	01/11/01	ND	8	2.0
Barium	01/11/01	86.5	2000	0.5
Beryllium	01/11/01	ND	20	0.5
Cadmium	01/11/01	ND	4	0.5
Calcium	01/11/01	43600	NLE	20.0
Chromium	01/11/01	ND	100	0.5
Cobalt	01/11/01	ND	NLE	0.5
Copper	01/11/01	ND	1000	2.0
Iron	01/11/01	28800	300	2.0
Lead	01/11/01	ND	10	1.0
Magnesium	01/11/01	7210	NLE	10.0
Manganese	01/11/01	130	50	0.5
Mercury	01/10/01	ND	2	0.1
Nickel	01/11/01	ND	100	1.0
Potassium	01/11/01	6770	NLE	40.0
Selenium	01/11/01	ND	50	3.0
Silver	01/11/01	ND	20	1.0
Sodium	01/11/01	16100	50000	20.0
Thallium	01/11/01	ND	10	2.0
Vanadium	01/11/01	ND	NLE	0.5
Zinc	01/11/01	21.4	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 #: 14
Sample Received: 01/03/01
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW09

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/11/01	ND	200	10.0
Antimony	01/11/01	ND	20	2.0
Arsenic	01/11/01	ND	8	2.0
Barium	01/11/01	50.8	2000	0.5
Beryllium	01/11/01	ND	20	0.5
Cadmium	01/11/01	ND	4	0.5
Calcium	01/11/01	44200	NLE	20.0
Chromium	01/11/01	ND	100	0.5
Cobalt	01/11/01	ND	NLE	0.5
Copper	01/11/01	ND	1000	2.0
Iron	01/11/01	7730	300	2.0
Lead	01/11/01	ND	10	1.0
Magnesium	01/11/01	6440	NLE	10.0
Manganese	01/11/01	40.4	50	0.5
Mercury	01/10/01	ND	2	0.1
Nickel	01/11/01	ND	100	1.0
Potassium	01/11/01	8080	NLE	40.0
Selenium	01/11/01	ND	50	3.0
Silver	01/11/01	ND	20	1.0
Sodium	01/11/01	5750	50000	20.0
Thallium	01/11/01	ND	10	2.0
Vanadium	01/11/01	ND	NLE	0.5
Zinc	01/11/01	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 #: 15
Sample Received: 01/03/01
Sample Matrix: Aqueous

Site: M-4

Field ID#: 00M4MW10

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	01/11/01	ND	200	10.0
Antimony	01/11/01	ND	20	2.0
Arsenic	01/11/01	ND	8	2.0
Barium	01/11/01	286	2000	0.5
Beryllium	01/11/01	ND	20	0.5
Cadmium	01/11/01	ND	4	0.5
Calcium	01/11/01	31300	NLE	20.0
Chromium	01/11/01	ND	100	0.5
Cobalt	01/11/01	ND	NLE	0.5
Copper	01/11/01	172	1000	2.0
Iron	01/11/01	42800	300	2.0
Lead	01/11/01	35.6	10	1.0
Magnesium	01/11/01	3720	NLE	10.0
Manganese	01/11/01	115	50	0.5
Mercury	01/10/01	ND	2	0.1
Nickel	01/11/01	2.08	100	1.0
Potassium	01/11/01	8830	NLE	40.0
Selenium	01/11/01	ND	50	3.0
Silver	01/11/01	ND	20	1.0
Sodium	01/11/01	11000	50000	20.0
Thallium	01/11/01	ND	10	2.0
Vanadium	01/11/01	ND	NLE	0.5
Zinc	01/11/01	265	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

	Lab	Acetone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Silver	Sodium	Antimony	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	900	200	300	10	50	20	50000	20	-
05/06/1997	FMETL	ND	5.96	1500	160	ND	90	21	58300	-	V,S,P,M
08/15/1997	FMETL	ND	61	620	820	ND	81	ND	55150	1.1	V,S,P,M
10/24/1997	FMETL	ND	2.28	559	2491	20	50.3	ND	17860	ND	V,S,P,M
02/18/1998	FMETL	ND	8.18	538	163	ND	40.7	ND	27110	ND	V,S,P,M
05/06/1998	FMETL	ND	ND	962	1621	ND	24.9	ND	19310	ND	V,S,P,M
07/09/1998	FMETL	ND	ND	969	3770	7.96	39.7	ND	28500	5.45	V,S,P,M
10/29/1998	FMETL	8.46	ND	582	1830	ND	53.6	ND	29300	3.96	V,S,P,M
02/04/1999	FMETL	ND	ND	474	442	ND	39.7	ND	21500	ND	V,S,P,M
04/23/1999	FMETL	7.39	ND	606	305	ND	71.2	ND	26400	ND	V,S,P,M
07/06/1999	FMETL	ND	ND	377	554	ND	41.3	ND	39700	ND	V,S,P,M
10/05/1999	FMETL	ND	ND	527	731	ND	55.2	ND	20500	3.27	V,S,P,M
01/11/2000	FMETL	ND	ND	411	315	ND	41.7	ND	29600	ND	V,S,P,M
05/01/2000	FMETL	ND	ND	646	392	57.8	44.9	ND	13300	ND	V,S,P,M
08/01/2000	FMETL	ND	ND	580	314	1.33	52.6	ND	12400	ND	V,S,P,M
08/01/2000D	FMETL	ND	ND	609	430	2.87	51.6	ND	12700	4.19	V,S,P,M
10/12/2000	FMETL	4.87	ND	759	774	ND	45.7	ND	25100	ND	V,S,P,M
01/03/2001	FMETL	ND	ND	874	361	ND	66.3	ND	48700	ND	V,S,P,M

SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 01/03/2001

NOTES:

Silver in blank > Criteria in May 97

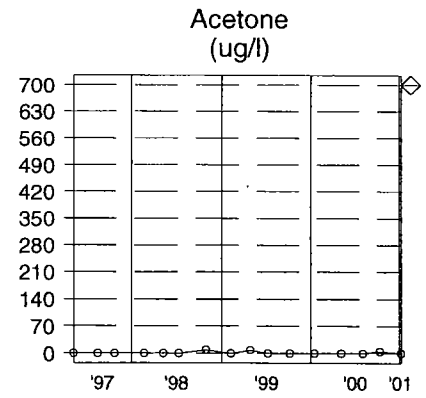
Page 1 of 2.

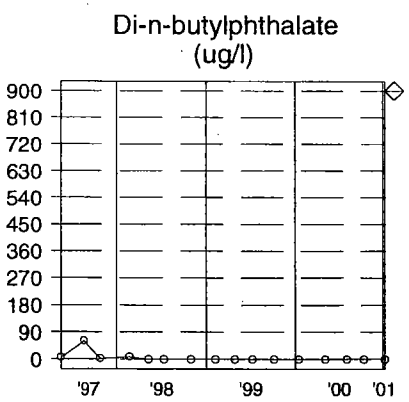
FORT MONMOUTH

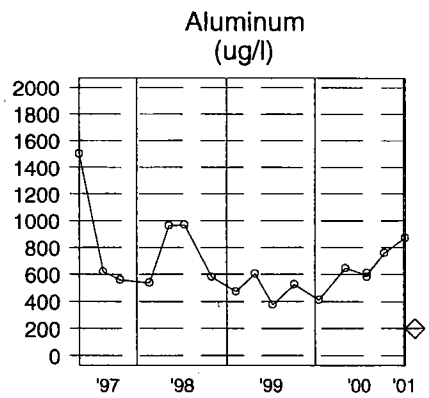
GW MONITORING
Bldg M-4

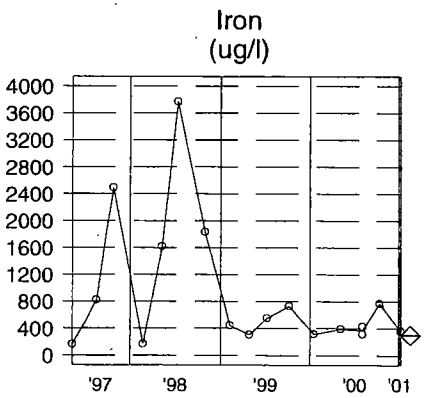
Source 1 of 4

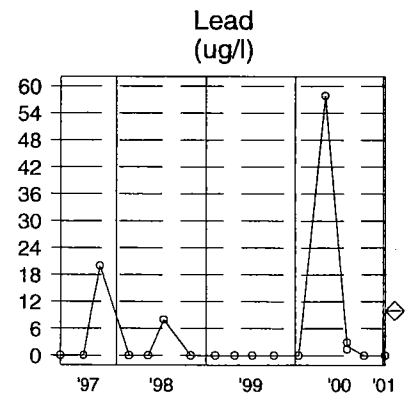
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

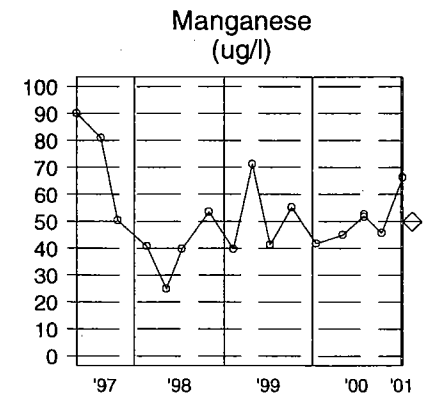


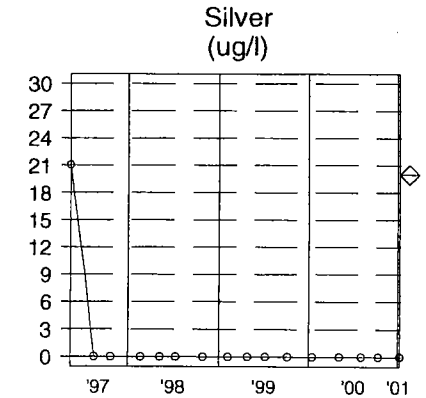


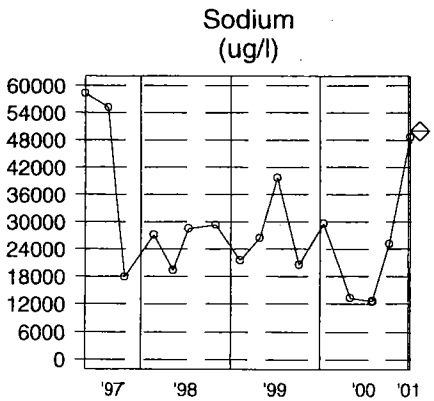


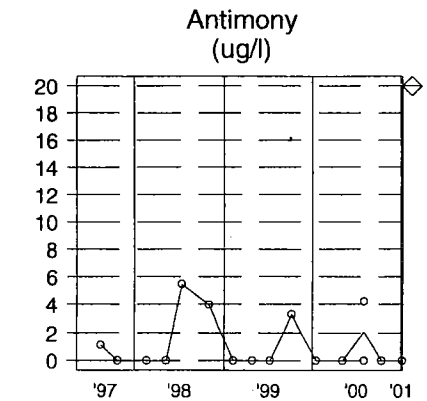












SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 01/03/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 1 of 4, Graph

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

02-07-2001 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	NLE	100	NLE	NLE	5000	-			-
05/06/1997	FMETL	-	-	-	-	-	-	7.70			V,S,P,M
08/15/1997	FMETL	100	15440	89	7070	300	42	9.15			V,S,P,M
10/24/1997	FMETL	83.6	9680	1.8	5530	ND	75	9.70			V,S,P,M
02/18/1998	FMETL	32.4	13760	ND	4070	ND	46	6.40			V,S,P,M
05/06/1998	FMETL	18.5	8562	1.4	2882	3.2	12.8	6.92			V,S,P,M
07/09/1998	FMETL	28.1	11100	ND	3230	5.34	66.5	8.63			V,S,P,M
10/29/1998	FMETL	94.7	14500	1.22	6780	ND	23.7	9.97			V,S,P,M
02/04/1999	FMETL	29.5	11000	4.28	3540	ND	42.2	7.41			V,S,P,M
04/23/1999	FMETL	26.6	12800	2.70	3950	ND	35.2	7.86			V,S,P,M
07/06/1999	FMETL	44.6	14400	2.78	4160	ND	38.3	9.20			V,S,P,M
10/05/1999	FMETL	52.7	15800	3.11	4980	ND	52.6	8.94			V,S,P,M
01/11/2000	FMETL	35	12500	ND	4150	ND	49.5	8.15			V,S,P,M
05/01/2000	FMETL	27.8	14000	5.78	4710	ND	513	7.51			V,S,P,M
08/01/2000	FMETL	39.0	15700	ND	5100	ND	49.6	8.08			V,S,P,M
08/01/2000D	FMETL	38.6	15300	ND	4940	ND	54.3	8.08			V,S,P,M
10/12/2000	FMETL	35.3	14300	1.82	4430	2.58	42.8	7.91			V,S,P,M
01/03/2001	FMETL	53.7	24100	ND	7230	ND	32.0	8.28			V,S,P,M

SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 01/03/2001

NOTES:

Silver in blank > Criteria in May 97

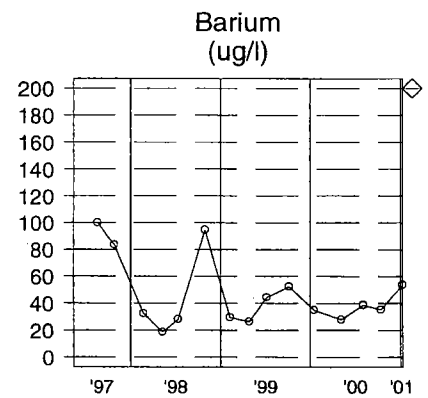
Page 2 of 2.

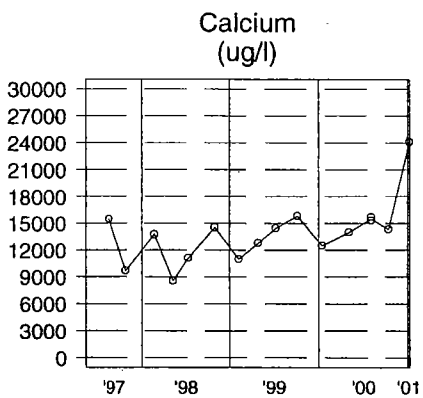
FORT MONMOUTH

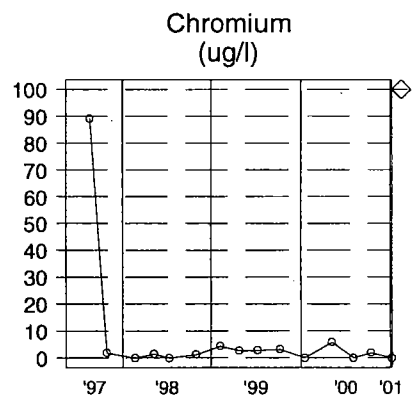
GW MONITORING
Bldg M-4

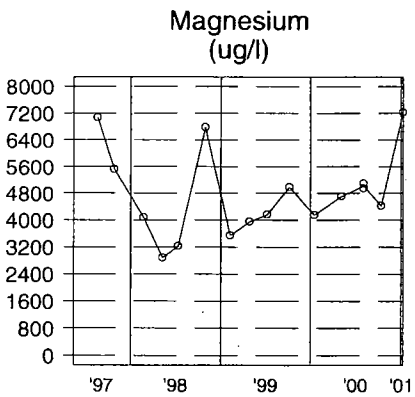
Source 1 of 4

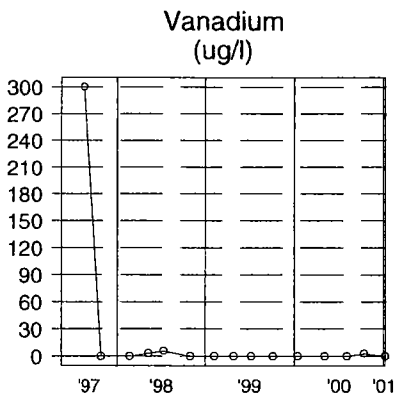
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

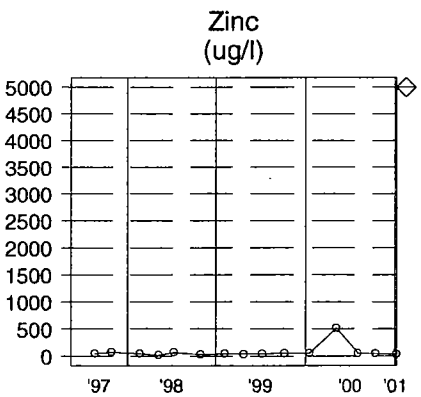


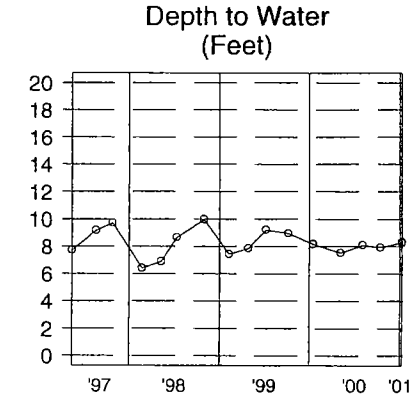












SOURCE: 00M4MW07

Sampling Dates:
05/06/1997 - 01/03/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 1 of 4, Graph

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

02-07-2001 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Acetone	2-But anone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	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	900	200	300	10	50	50000	20	-
05/06/1997	FMETL	ND	ND	11.67	35	13900	ND	119	10100	-	V,S,P,M
08/15/1997	FMETL	ND	ND	56	344	13760	ND	125	10750	1.3	V,S,P,M
10/24/1997	FMETL	ND	ND	ND	113	11060	18	107	15360	ND	V,S,P,M
02/18/1998	FMETL	ND	ND	10.8	128	14930	ND	121	11960	ND	V,S,P,M
05/06/1998	FMETL	ND	ND	ND	203	34950	ND	135	13560	ND	V,S,P,M
07/09/1998	FMETL	ND	ND	ND	293	24900	2.7	158	8970	4.72	V,S,P,M
10/29/1998	FMETL	13.01	ND	ND	15.8	15400	ND	135	19600	5.36	V,S,P,M
02/04/1999	FMETL	ND	ND	ND	942	112000	ND	160	17400	2.92	V,S,P,M
04/23/1999	FMETL	8.64	ND	1.20	3520	393000	8.35	402	17200	7.05	V,S,P,M
07/06/1999	FMETL	ND	4.20	ND	1020	54200	3.46	152	30400	ND	V,S,P,M
10/05/1999	FMETL	ND	ND	ND	176	21800	ND	149	13800	ND	V,S,P,M
01/11/2000	FMETL	ND	ND	ND	170	49400	ND	167	15000	ND	V,S,P,M
05/01/2000	FMETL	ND	ND	ND	132	73800	ND	164	12800	ND	V,S,P,M
08/01/2000	FMETL	ND	ND	ND	47.9	16700	2.27	152	13000	5.50	V,S,P,M
10/12/2000	FMETL	ND	ND	ND	70.6	12000	ND	132	18800	ND	V,S,P,M
01/03/2001	FMETL	ND	ND	ND	ND	28800	ND	130	16100	ND	V,S,P,M

SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 01/03/2001

NOTES:

Silver in blank > Criteria in May 97

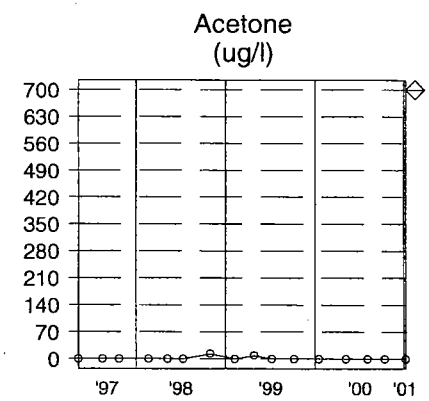
Page 1 of 2.

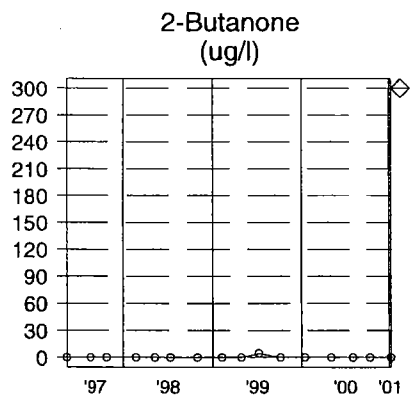
FORT MONMOUTH

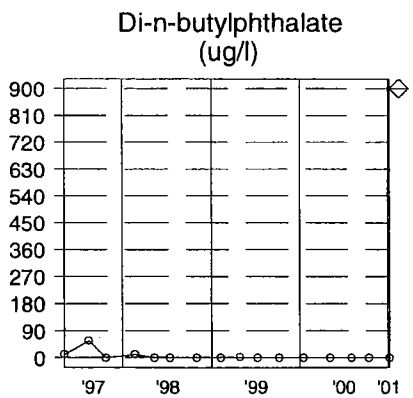
GW MONITORING
Bldg M-4

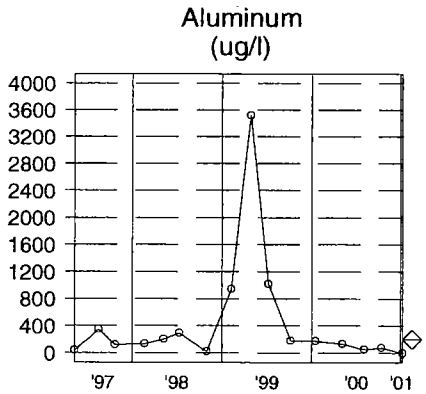
Source 2 of 4

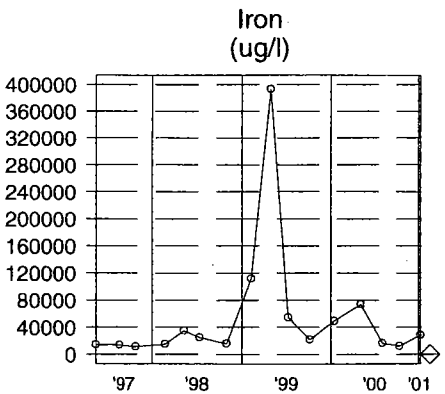
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

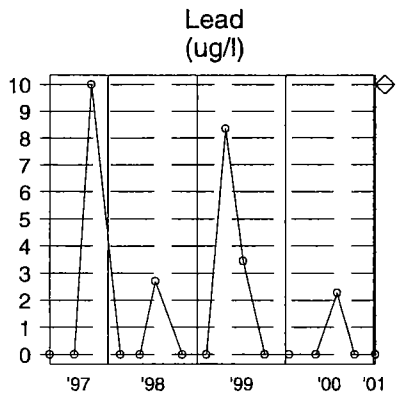


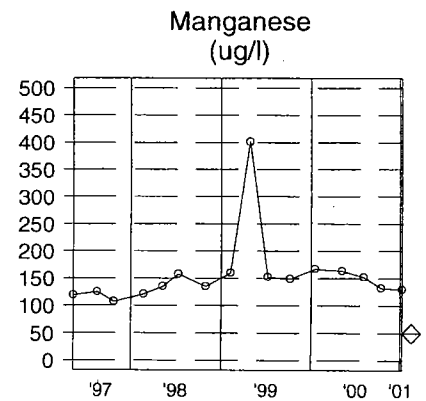


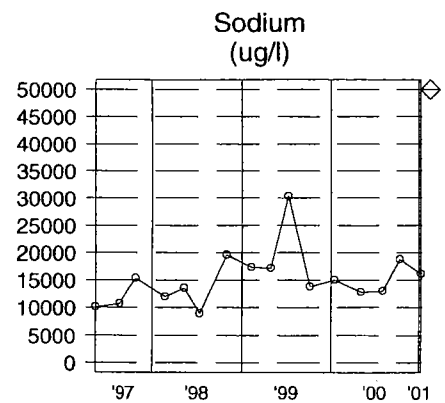


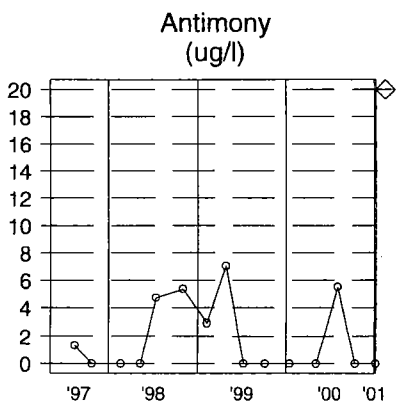












SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 01/03/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 2 of 4, Graph

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

02-07-2001 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	NLE	100	NLE	NLE	5000	-			-
05/06/1997	FMETL	-	-	-	-	-	-	6.50			V,S,P,M
08/15/1997	FMETL	70	33340	90	5840	300	ND	6.90			V,S,P,M
10/24/1997	FMETL	29.5	35680	1.2	6120	ND	53	7.60			V,S,P,M
02/18/1998	FMETL	36	38960	ND	5950	ND	12	5.95			V,S,P,M
05/06/1998	FMETL	74	38520	ND	6460	1.5	4.8	6.18			V,S,P,M
07/09/1998	FMETL	81.1	54000	ND	7590	1.49	66.7	6.76			V,S,P,M
10/29/1998	FMETL	40.9	45500	ND	8070	ND	ND	7.53			V,S,P,M
02/04/1999	FMETL	176	77600	9.36	7600	4.05	87.5	7.08			V,S,P,M
04/23/1999	FMETL	990	54800	22.3	7670	11.4	294	7.20			V,S,P,M
07/06/1999	FMETL	405	37500	8.89	7650	5.90	109	7.51			V,S,P,M
10/05/1999	FMETL	54.9	42400	4.16	6680	ND	20.2	6.80			V,S,P,M
01/11/2000	FMETL	173	44300	2.77	7160	1.54	42.1	7.31			V,S,P,M
05/01/2000	FMETL	217	40600	3.34	6990	2.63	14.9	6.94			V,S,P,M
08/01/2000	FMETL	41.2	52700	1.09	8440	0.632	17.0	7.28			V,S,P,M
10/12/2000	FMETL	32.0	40900	0.653	7120	1.55	13.2	7.38			V,S,P,M
01/03/2001	FMETL	86.5	43600	ND	7210	ND	21.4	7.88			V,S,P,M

SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 01/03/2001

NOTES:

Silver in blank > Criteria in May 97

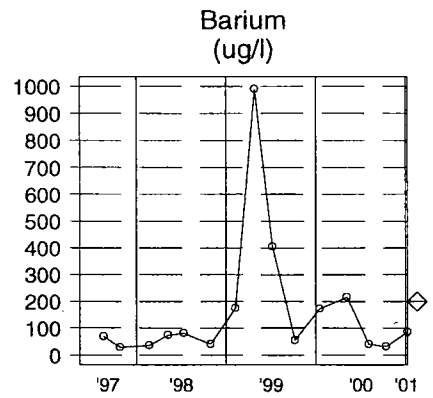
Page 2 of 2.

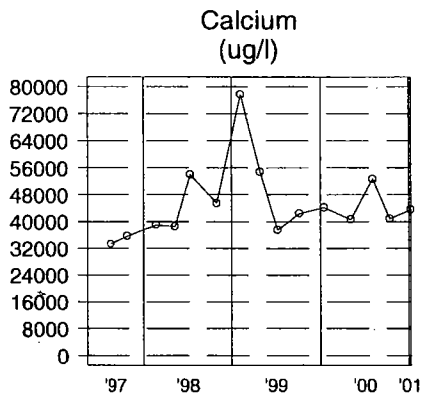
FORT MONMOUTH

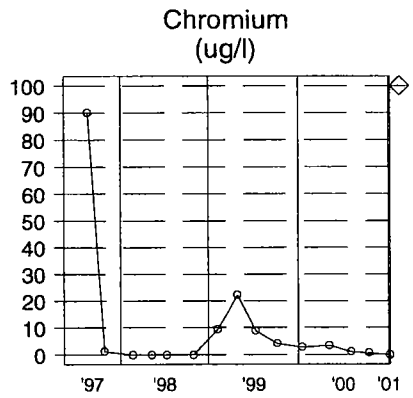
GW MONITORING
Bldg M-4

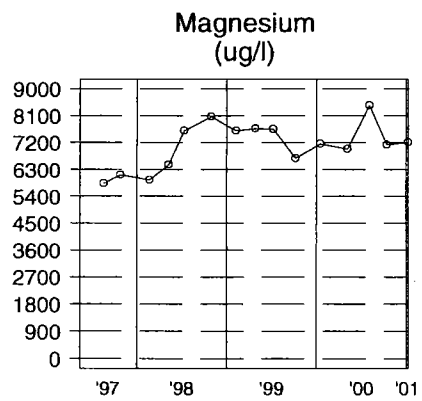
Source 2 of 4

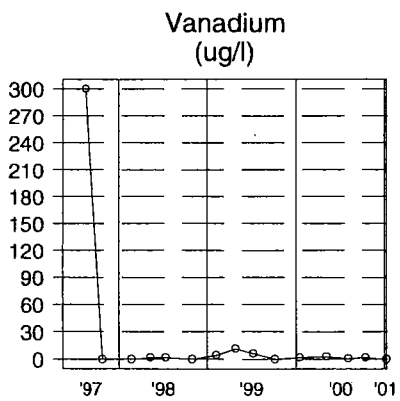
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

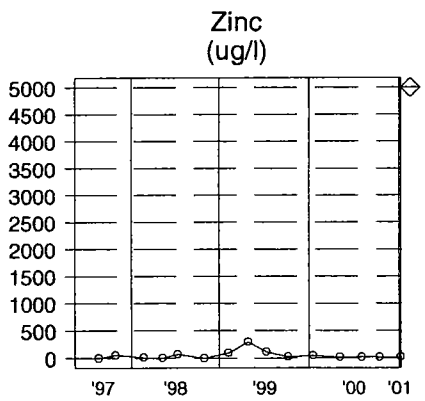


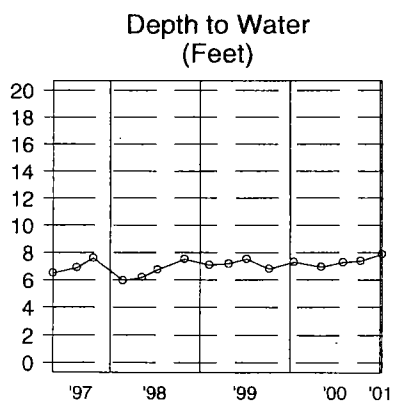












SOURCE: 00M4MW08

Sampling Dates:
05/06/1997 - 01/03/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 2 of 4, Graph

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

02-07-2001 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Acetone	2-But anone	Di-n-butyl phthalate	Aluminum	Iron	Lead	Manganese	Sodium	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	900	200	300	10	50	50000	20	-
05/06/1997	FMETL	ND	ND	3.04	91	37000	ND	68	8300	-	V,S,P,M
08/15/1997	FMETL	ND	ND	50.5	101.6	7170	ND	64	8270	ND	V,S,P,M
10/24/1997	FMETL	ND	ND	11.1	107	14650	9.0	76.5	9800	ND	V,S,P,M
02/18/1998	FMETL	ND	ND	5.14	80	6019	ND	66	8370	ND	V,S,P,M
05/06/1998	FMETL	ND	ND	ND	ND	19630	ND	90.5	9376	ND	V,S,P,M
07/09/1998	FMETL	ND	ND	ND	21.2	15500	12.2	58.2	8140	6.52	V,S,P,M
10/29/1998	FMETL	16.17	5.72	ND	ND	14000	ND	41.9	8190	6.52	V,S,P,M
02/04/1999	FMETL	ND	ND	ND	ND	13100	ND	114	8170	ND	V,S,P,M
04/23/1999	FMETL	7.59	ND	ND	ND	11100	ND	53.7	7480	ND	V,S,P,M
04/23/1999D	FMETL	8.87	ND	ND	ND	12700	ND	72.2	7360	ND	V,S,P,M
07/06/1999	FMETL	5.92	6.32	ND	ND	12900	ND	18.2	6040	ND	V,S,P,M
10/05/1999	FMETL	ND	ND	ND	34.0	8800	ND	47.2	7630	ND	V,S,P,M
01/11/2000	FMETL	ND	ND	ND	ND	9480	ND	53.7	7630	ND	V,S,P,M
05/01/2000	FMETL	ND	ND	ND	ND	8800	ND	46.3	5760	ND	V,S,P,M
08/01/2000	FMETL	ND	ND	ND	12.0	6010	1.90	15.6	3170	3.65	V,S,P,M
10/12/2000	FMETL	ND	ND	ND	24.7	4700	ND	22.2	7020	ND	V,S,P,M
01/03/2001	FMETL	ND	ND	ND	ND	7730	ND	40.4	5750	ND	V,S,P,M
01/03/2001D	FMETL	ND	ND	ND	ND	8140	ND	43.0	6450	ND	V,S,P,M

SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 01/03/2001

NOTES:

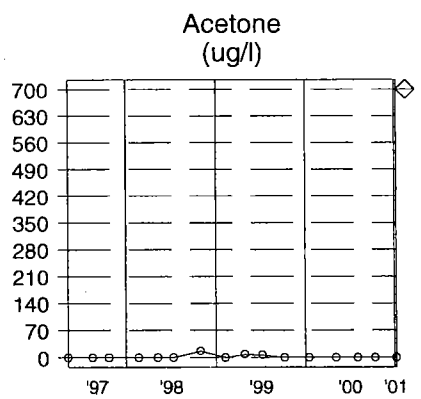
Silver in blank > Criteria in May 97
Page 1 of 2.

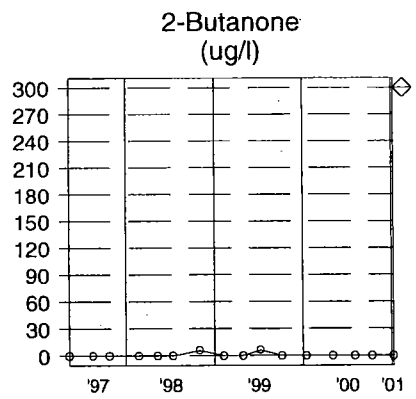
FORT MONMOUTH

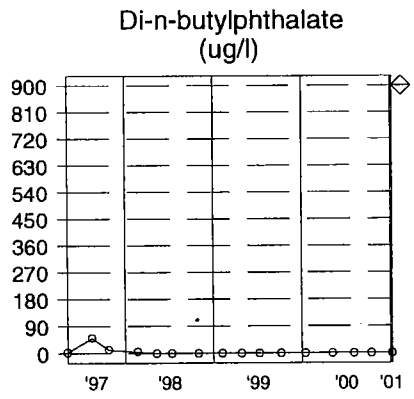
GW MONITORING
Bldg M-4

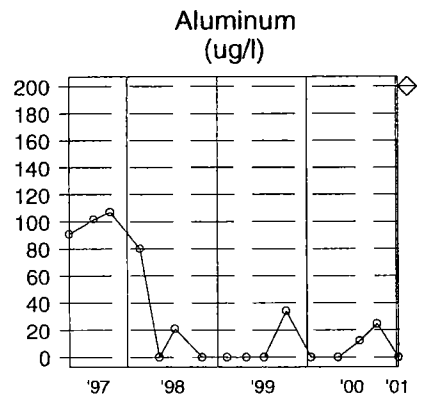
Source 3 of 4

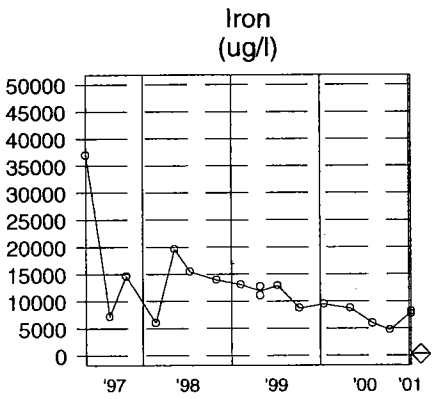
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

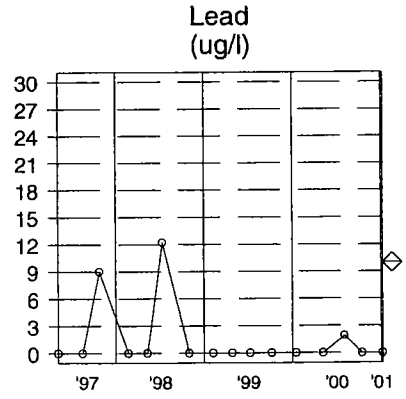


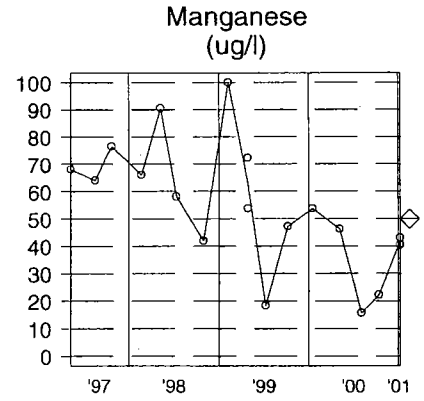


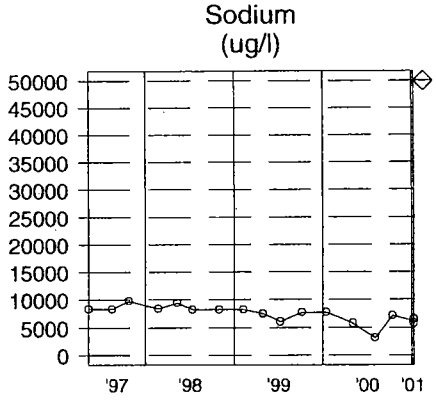


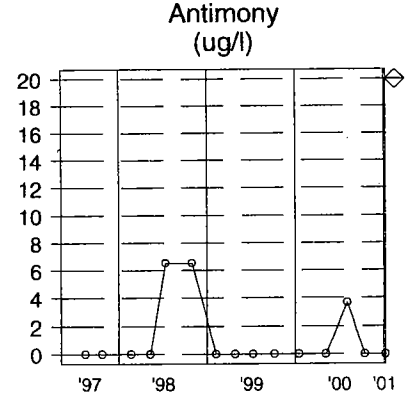












SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 01/03/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 3 of 4, Graph

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

02-07-2001 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Barium	Calcium	Chromium	Magnesium	Vanadium	Zinc	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	NLE	100	NLE	NLE	5000	-			-
05/06/1997	FMETL	-	-	-	-	-	-	5.40			V,S,P,M
08/15/1997	FMETL	130	40010	68	6070	300	ND	6.10			V,S,P,M
10/24/1997	FMETL	46.7	42140	1.4	5340	ND	52	6.75			V,S,P,M
02/18/1998	FMETL	42	44320	ND	5840	ND	43	4.99			V,S,P,M
05/06/1998	FMETL	80	44510	ND	6243	ND	5.9	5.31			V,S,P,M
07/09/1998	FMETL	278	45500	ND	5650	ND	98.6	6.12			V,S,P,M
10/29/1998	FMETL	72.4	43700	ND	5480	ND	ND	6.88			V,S,P,M
02/04/1999	FMETL	66.7	44100	ND	5960	ND	18.5	6.18			V,S,P,M
04/23/1999	FMETL	62.5	40400	2.15	5830	ND	18.7	5.94			V,S,P,M
04/23/1999D	FMETL	66.2	38800	2.38	5820	ND	26.6	5.94			V,S,P,M
07/06/1999	FMETL	72.2	40900	2.18	5760	ND	25.3	6.68			V,S,P,M
10/05/1999	FMETL	58.7	44200	2.16	5640	ND	12.0	5.71			V,S,P,M
01/11/2000	FMETL	49	40900	ND	5810	ND	14.6	6.15			V,S,P,M
05/01/2000	FMETL	59.9	37900	ND	5600	ND	4.17	5.54			V,S,P,M
08/01/2000	FMETL	47.6	37800	ND	5430	ND	18.6	5.91			V,S,P,M
10/12/2000	FMETL	41.4	39500	ND	5490	1.01	7.63	5.97			V,S,P,M
01/03/2001	FMETL	50.8	44200	ND	6440	ND	ND	6.49			V,S,P,M
01/03/2001D	FMETL	55.3	44300	ND	6520	ND	14.1	6.49			V,S,P,M

SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 01/03/2001

NOTES:

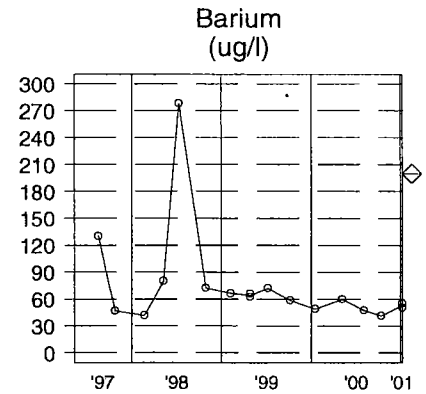
Silver in blank > Criteria in May 97
Page 2 of 2.

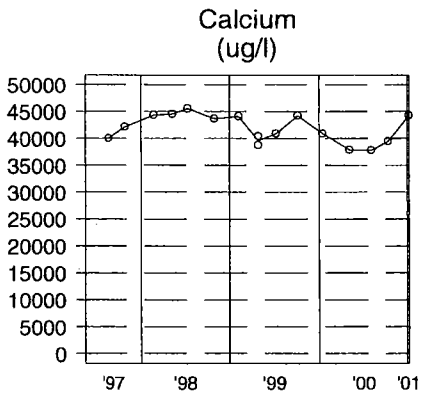
FORT MONMOUTH

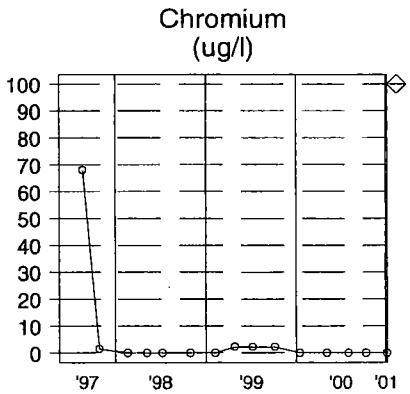
GW MONITORING
Bldg M-4

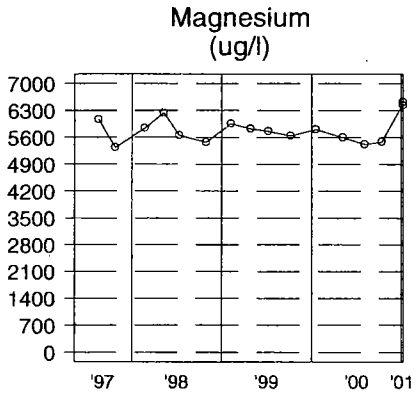
Source 3 of 4

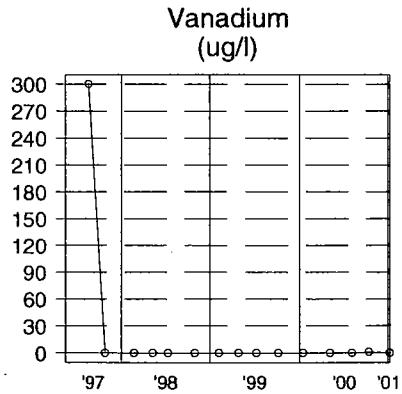
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

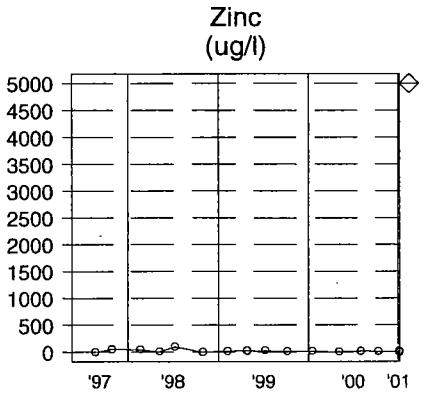


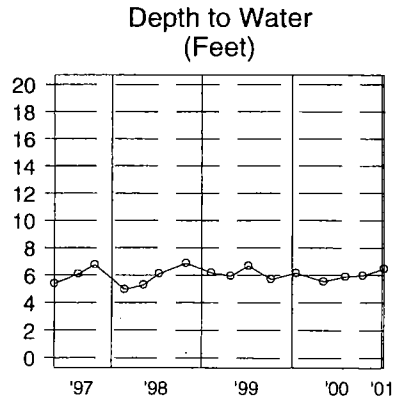












SOURCE: 00M4MW09

Sampling Dates:
05/06/1997 - 01/03/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 3 of 4, Graph

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

02-07-2001 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Aluminum	Iron	Lead	Manganese	Sodium	Antimony	Barium	Calcium	Chromium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	200	300	10	50	50000	20	200	NLE	100	-
01/11/2000	FMETL	79	29500	ND	113	9650	ND	109	29400	ND	V,S,P,M
05/01/2000	FMETL	31.3	64300	ND	124	10800	ND	516	31900	2.28	V,S,P,M
08/01/2000	FMETL	13.9	30900	8.01	103	7270	5.07	117	26900	0.895	V,S,P,M
10/12/2000	FMETL	35.8	22400	ND	102	12700	ND	76.7	24100	ND	V,S,P,M
01/03/2001	FMETL	ND	42800	35.6	115	11000	ND	286	31300	ND	V,S,P,M

SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 01/03/2001

NOTES:

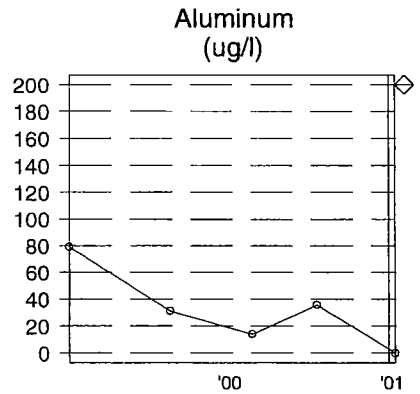
Silver in blank > Criteria in May 97
Page 1 of 2

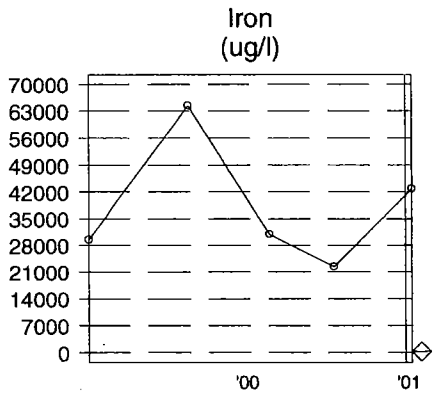
FORT MONMOUTH

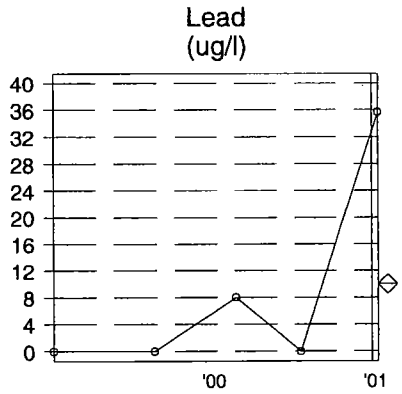
GW MONITORING
Bldg M-4

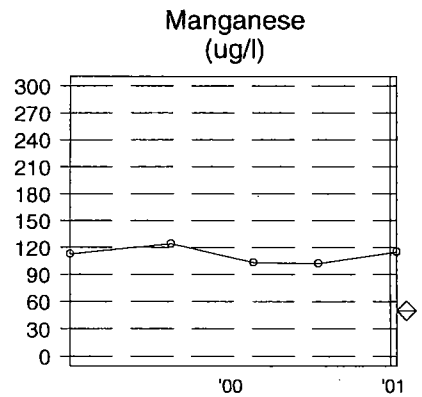
Source 4 of 4

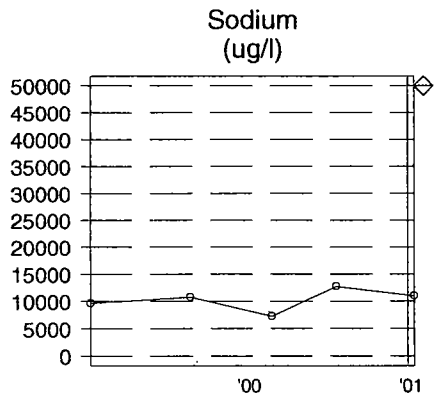
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

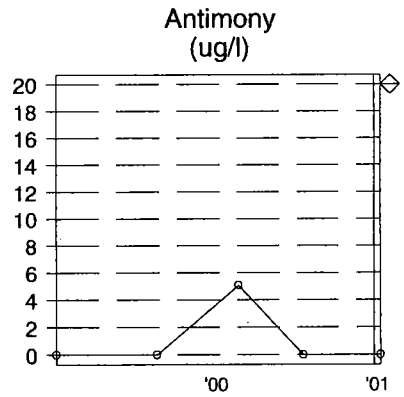


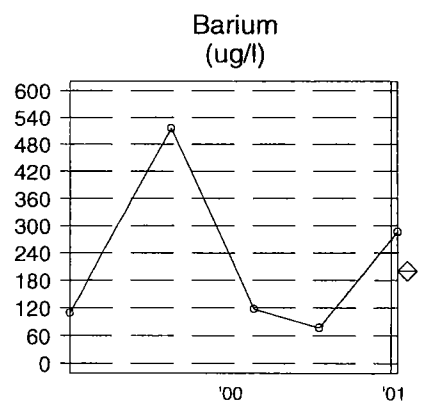


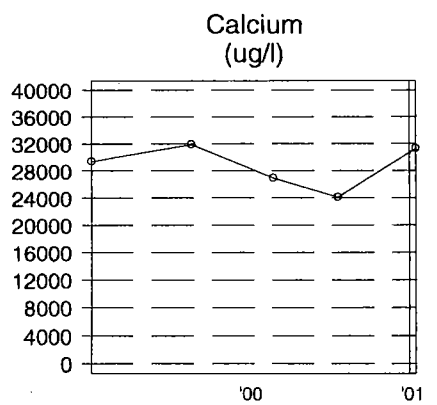


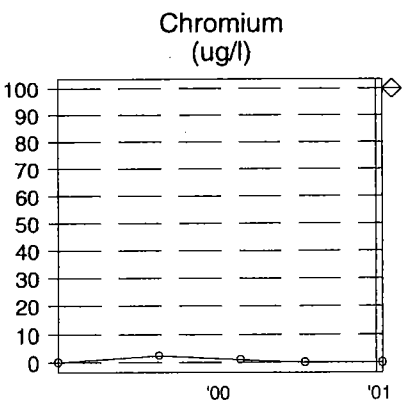












SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 01/03/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 4 of 4, Graph

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

02-07-2001 x:\mtech46\fm\m-4\gw\m4.wsf

	Lab	Magnesium	Vanadium	Zinc	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	NLE	NLE	5000	-						-
01/11/2000	FMETL	3570	ND	74.7	8.61						V,S,P,M
05/01/2000	FMETL	3760	2.10	17.1	8.81						V,S,P,M
08/01/2000	FMETL	3450	0.692	46.2	8.37						V,S,P,M
10/12/2000	FMETL	3380	0.975	28.5	8.65						V,S,P,M
01/03/2001	FMETL	3720	ND	265	8.83						V,S,P,M

SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 01/03/2001

NOTES:

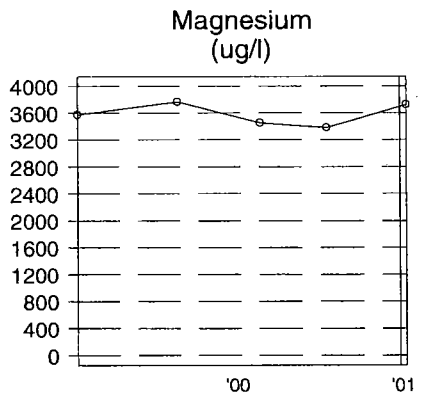
Silver in blank > Criteria in May 97
Page 2 of 2

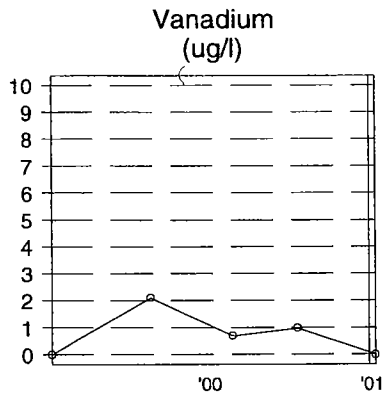
FORT MONMOUTH

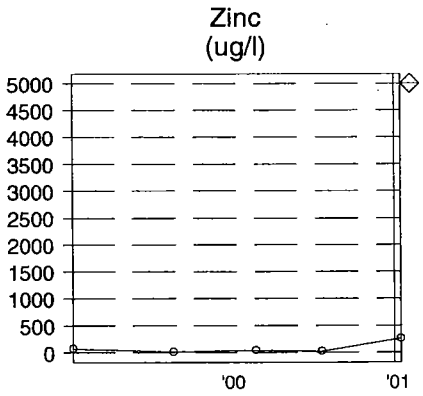
GW MONITORING
Bldg M-4

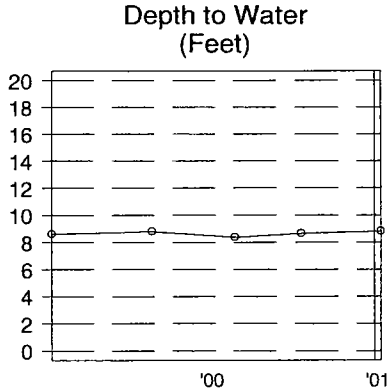
Source 4 of 4

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









SOURCE: 00M4MW10

Sampling Dates:
01/11/2000 - 01/03/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg M-4

Source 4 of 4, Graph

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

02-07-2001 x:\mtech46\frm\m-4\gw\m4.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.~~11~~ 13	Aqueous	8-Oct-96 10:10	10/08/96
Stream Site 14	2178.~~12~~ 14	Aqueous	8-Oct-96 10:15	10/08/96
Stream Site 15	2178.~~13~~ 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 Pogwist Scott Wegeman	Date / Time 10/8/96 0630	Analysis Parameters
Customer: U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Site Name: Stream sampling October		Start:
Phone:			Finish:

Preservation Method

Lab Sample ID Number	Date/Time		Customer Sample Location/ID Number	Sample Matrix	# of Bottles	Temp. °C	pH	Dissolved O_2 (ppm)	SO_4	NO_3	NH_3	Microbiology	VOA's	Salinity	Remarks
2178.1	10/8/96	855	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	7.65	9.0					0.13		NH_3 has H_2S odor
.3		735	3			13.1	7.56	9.5					0.37		34 VOAs 40ml
.4		750	4			14.1	7.11	7.5					3.18		10 250ml plastic
.5		800	5			14.4	7.46	7.4					2.75		10 500ml plastic
.6		810	6			14.8	7.41	7.4					2.63		10 300ml BOD glass
.7		815	7			15.0	7.56	9.7					10.53		
.8		918	8			14.7	7.65	7.0					0.53		
.9		925	9			14.1	7.51	6.9					0.88		
.10		945	10			14.1	8.15	9.9					0.14		
.11		100	11	Aqua	2							X			

Relinquished By (signature)	Date / Time	Received By (signature)	Shipped By:
[signature]	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.

SAI-ENV COC Form 01 Page 1 of 2 Pages Rev. A Date: 02 Apr 93

...ornmental Laboratory

...ication Number 13461

U.S. ARMY FORT MONMOUTH

P.O. #:

Chain of Custody

Project #:

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

Phone:

Sampler: Ray Pogwist Scott Wagenman

Date / Time: 10/8/96 0630

Site Name: STREAM SAMPLING October

Analysis Parameters

Start:

Finish:

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	VOAS	Remarks	Preservation Method
21798 12	10/8/96	0735	STREAM SITE 12	AQUA	2								X		All samples kept	≤ 4°C
13		[illegible]	13										X		NH_3 has -	H_2SO_4
14		[illegible]	14										X			
15		0910	15										X			
16		0750	Trip Blank										X			
17		0710	Field Blank										X			

Relinquished By (signature)	Date / Time	Received By (signature)	Shipped By:
[signature]	10/8/96 1115	[signature]	
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 1 of 1 Pages Rev. A Date: 02 Apr 93

Enviornmental Laboratory

Certification Number 13461

October 8, 1986 Sampling For VOCs

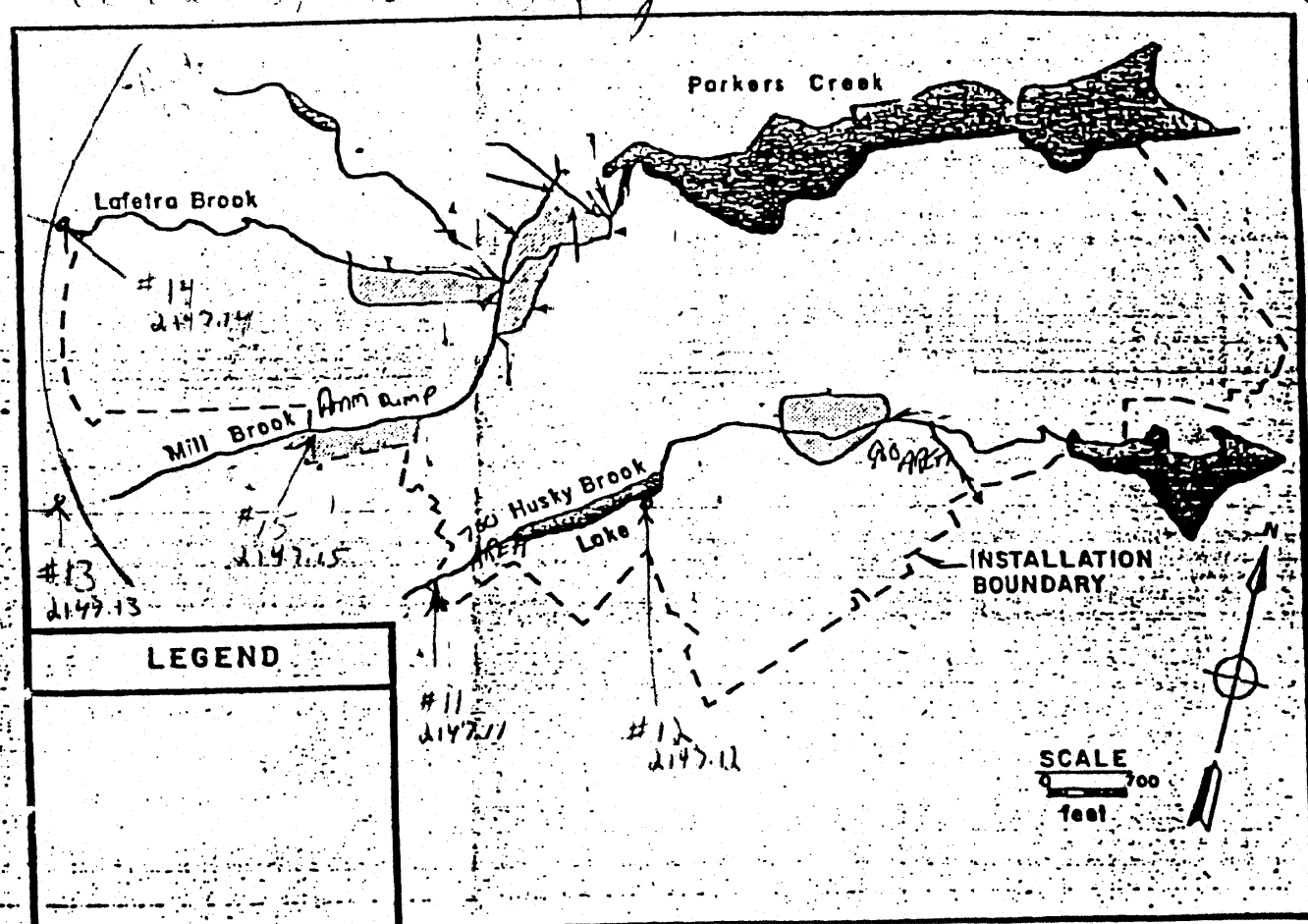


FIGURE. SAMPLING POINTS

Water Quality Engineering Consultation No. 32-24-0725-86, Sinnum 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. Lal
For Daniel Wright
12/10/96
Daniel Wright/Date
Laboratory Director

U.S. ARMY FORT MONMOUTH

P.O. #: 45 - 00722

Chain of Custody

Project #:

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

Phone:

Sampler: Scott Lagerman

Site Name: Stream Sampling November 96'

Date / Time: 11/25/96 | 0800

Analysis Parameters

Start:

Finish:

Preservation Method

Lab Sample ID Number	Date/Time		Customer Sample Location/ID Number	Sample Matrix	# of Bottles	Temp °C	pH	Dissolved Oxygen (ppm)	Salinity %	NH_3	NO_3 Poly Soy	VOA's	Remarks	
2223 .1	11/25/96	915	Stream site #22	Water	5	5.8	8.68	11.0	22	X	X	X	All Samples kept ≤ 4°C	
.2		930	#21			6.5	8.50	8.4	20				NH_3 has H_2SO_4	
.3		945	#20			8.8	8.43	7.2	21				VOA's have HCl	
.4		1000	#9			5.6	7.77	6.7	8				1 7 250 ml Plastic	-3.0
.5		1015	#19			7.9	6.68	6.5	2				1 7 - 500 ml Plastic	Height 1.7 2.0
.6		1030	#12			8.1	6.92	5.5	1				1 7 - 500 ml BOD Glass	
.7		1040	#18			9.3	7.05	5.7	1				3 6 - 40 ml VOA Bottles	
.8		1100	#11			10.5	6.55	5.7	1					
.9		1110	#15			8.2	6.89	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. Rt.	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 1 of 2 Pages Rev. A Date: 02 Apr 93

Enviornmental Laboratory

Certification Number 13 1

U.S. ARMY FORT MONMOUTH

P.O. #: 45-00722

Chain of Custody

Project #:	Sampler: Scott / Kevin	Date / Time 11/25/96 0800	Analysis Parameters
Customer: U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Site Name: Stream Sampling November 96'		Start: Finish:
Phone:			Preservation Method

Lab Sample ID Number	Date/Time		Customer Sample Location/ID Number	Sample Matrix	# of Bottles		Temp °C	pH	Dissolved O2 (ppm)	Salinity	NH3	NO3 PO4 SO4	H2S	Remarks
2223	11/25/96	1150	Stream site #4	Aqua	3		8.8	7.33	7.4	5	X	X	X	All Samples kept ≤ 4°C
3		1215	#17			*	8.8	7.11	7.1	4				16 H3 has H2S Cy
4		1200	#5				9.0	7.17	6.1	5				Lab's have HCT
5		~~1250~~	did not sample #3			☒	—	—	—	—				16 - Used [illegible]
6		1245	#14				10.3	7.42	6.1	1				16 - Stained [illegible]
7		1300	#13				9.3	7.29	5.7	1				16 Stained [illegible] 6 Glass
8		0800	Trip Blank		2									34 Used VOA Bottles
9		0845	Field Blank											

Relinquished By (signature)	Date / Time	Received By (signature)	Shipped By:
[signature]	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

(*) - Lot is #627

☒ - New Lock Key Did not Work Aborted sampling

Enviornmental Laboratory

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	23.88	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	12.32	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

Rhonda M. R[illegible]
For Daniel Wright 12/18/96
Daniel Wright/Date
Laboratory Director

U.S. ARMY FORT MONMOUTH

P.O. #: 44-00748

Chain of Custody

Project #:	Sampler: Ray Paywist	Date / Time 12-12-96 0900	Analysis Parameters	Start:
Customer: U.S. ARMY DPW SEIFAM-PW-EV Ft MonMonMouth	Site Name: STREAM Sampling DeC 96			Finish:
Phone:				Preservation Method

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	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 NO_2 SO_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 Gold Glass
.6		1015	12 "Trib"			7.5	7.28	3.3	1				36 VOA 40ml Bottles
.7		1040	18			8.7	11.30	3.8	1				
.8		1055	11			9.3	9.54	3.7	1				Note Rained overnight
.9		1110	15			7.5	5.53	3.46	1				Cooling during sampling
.10		1120	16 "Site"			7.4	3.13	3.4	1				
.11		1135	7			6.8	7.52	6.8	9				

Relinquished By (signature)	Date / Time	Received By (signature)	Shipped By:
[signature]	12-12-96 1300	[signature]	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.

SAI-ENV COC Form 01 Page 1 of 2 Pages Rev. A Date: 02 Apr 93

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	Start:
Customer: U.S. ARMY DPW SELFM-PW-EV Ft. MonMouth	Site Name: STream Sampling Dec 96			Finish:
Phone:				Preservation Method

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	Poly SO_4	VOA's, Microbio	Remarks	Preservation Method
22416 -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	~~1155~~ 1125	#17 *			7.2	7.35	6.1	2					NH_3 has H_2SO_4	
-14		1155	#5			7.3	7.65	6.1	2					VOA's Have HCL	
-15		could	not sample #3 No Tree											17 250 ml	Plastic
-16		1230	#14			8.0	8.5	6.3	0					17 500 ml	Plastic
-17		1245	#13			7.7	7.5	6.1	0					17 500 ml	GLD Glass
-18		0900	Trip Blank		2								VOA	36 VOA 40 ml	Bottles
-19		1215	Field Blank		2								VOA		

Relinquished By (signature)	Date / Time	Received By (signature)	Shipped By:
Beth Gunning	12-11-96 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.

SAI-ENV COC Form 01 Page 1 of 1 Pages Rev. A Date: 02 Apr 93

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

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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

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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	<	0.05
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	19.68	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

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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

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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

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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

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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

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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

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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. [illegible]
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, micro, SO_4	Remarks / Preservation Method
97 .1	STream Site 22	1/29/97	1210	AQ	0.1	7.45	14.7	18			All samples Kept ≤ 4°C
.2	21		1210		0.5	7.62	14.5	15			NH_3 HAS H_2SO_4
.3	20		1220		0.3	7.71	14.3	14			17 250 ml PLASTIC
.4	9		1240		3.7	8.18	11.5	20			17 500 ml PLASTIC
.5	19		1250		3.8	7.55	11.3	20			17 300 ml BOD GLASS
.6	AT=7.2 12		1305		5.5	7.43	9.7	10			36 VOA 40 ml 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	AT= 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	10	0			Lock # [illegible]
.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):
[illegible]	1/29/97 1545	Sarah [illegible]			
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:	

Comments:

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]

Analysis Parameters: Temp °C, pH, Diss O, Salinity, NH_3, NO_3, PO_4, VOA, mzAO, SO_4

Comments:

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	Temp °C	pH	Diss O	Salinity	NH_3, NO_3, PO_4	VOA, mzAO, SO_4	Remarks / Preservation Method
.15	No Key #3	11/29/97	1445	A Q	No Key No sample!						All Samples kept ≤ 4°C
.16	#14	↓	1510 1520		3.3	8.38	9.5	0			NH_3 has H_2SO_4
.17	#13				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]	11/29/97 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

GATE #3 Lock American Lock Company A

CUSTODY.XLS 1/16/97

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**
Operator **Paul Skelton**
Date Acquired **2/6/97 17:26**

Sample Name **2298.02**
Field ID **#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			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

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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

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Data File Name	**V0006**	Sample Name	**2298.06**
Operator	**Paul Skelton**	Field ID	**#12**
Date Acquired	**2/6/97 20:33**	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			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

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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

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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

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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

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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

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Data File Name	**V0011**	Sample Name	**2298.11**
Operator	**Paul Skelton**	Field ID	**#7**
Date Acquired	**2/7/97 0:23**	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

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Data File Name	**V0012**	Sample Name	**2298.12**
Operator	**Paul Skelton**	Field ID	**#4**
Date Acquired	**2/7/97 1:08**	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			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

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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

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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

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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

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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

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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 ~~12~~ 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 03/11/97
Daniel Wright/Date
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 applebv@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Page 1 of 2

Customer:
(✓)DERA ( )OMA ( )Other:

Project No

Location: [illegible]

Sampler's Signature: [illegible] Roy Rogers Scott Wagleman

Analysis Parameters: [illegible]

Comments:

Lab Sample ID	Sample Location	Date	Time	Sample Type	[illegible]	Remarks - Preservative Method
2361	Stream Site	2-26-97	1220	Air	7.0 6.32 11.7 20	[illegible]
			1230		6.7 7.18 10.2 20	[illegible]
			1245		6.7 7.53 12.3 20	
	HT= 1.40		1300		8.0 7.90 12.5 4	
			1315		8.2 7.36 11.3 2	
	pH= 7.22		1330		9.00 7.00 10.1 0	[illegible]
			1345		9.6 7.24 10.6 2	
			1355		10.2 7.80 11.2 1	
			1400		8.8 7.39 12 1	
	HT= *N/A		1410		9.0 7.09 12.8 1	covered over w/ mud
			1425		9.4 6.94 12.0 1	
			1435		9.4 7.06 14.0 1	
			1450		9.7 7.05 15.2 1	
			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

[illegible] 97 XIS2/14.9

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-E, Fort Monmouth, NJ [illegible]
Tel (908)532-[illegible] Fax (908)532-[illegible] E-Mail [illegible]
NJDEP Certification #13461

Chain of Custody Record

Page [illegible] of [illegible]

Customer:
(✓)DERA ( )OMA ( )Other: _____

Project No: [illegible]

Location: [illegible]
Sampling Site: [illegible]

Sampler's Signature: [illegible]

Analysis Parameters: [illegible]

Comments: [illegible]

Lab Sample ID	Sample Location	Date	Time	Sample Type	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible] #3	2/26/97	1516	[illegible]	9.4	6.98	13.6	1	Y	[illegible]
[illegible]	#11	[illegible]	1535	[illegible]	9.0	6.46	12.6	1	[illegible]	[illegible]
[illegible]	#13	[illegible]	1545	[illegible]	8.3	7.04	11.9	1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	1200	[illegible]					[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	1210	[illegible]					[illegible]	[illegible]

Remarks: [illegible]

Relinquished by (signature)	Date/Time	Received by (signature)	[illegible]	[illegible]	[illegible]
[illegible]	2/26/97 1600	[illegible] 2-26-97			
Relinquished by (signature)	Date/Time	Received by (signature)	[illegible]	[illegible]	[illegible]
Relinquished by (signature)	Date/Time	Received for Laboratory by (signature)	[illegible]	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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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Data File Name	**v00249.d**	Sample Name	**2361.14**
Operator	**Paul Skelton**	Field ID	**Stream Site 17**
Date Acquired	**03/ 8/97 12:48**	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			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

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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

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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. Rl
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 1 of 1

Customer: (X)DERA ( )OMA ( )Other:

Project No:

Location: Stream Sites MARCH 97

Sampler's Signature: [signature] Ray Foyle / Scott Wagner

Analysis Parameters: Temp °C, pH, DISS O, Salinity, NH_3, PO_3, NO_3, SO_4, TC

Comments:

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	Temp °C	pH	DISS O	Salinity	NH_3, PO_3, NO_3, SO_4, TC	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 H_2S 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 ~~3~~ Ziplock 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):
[signature]	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

Custody Rev 2/14/97

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 Mar. 97

Sampler's Signature: Zeart

Ray Pagnist

Analysis Parameters: Temp °C, pH, D.S.S.O, Salinity, NH_3, NO_3, PO_4, 624, VOA, SO_4, TC

Comments:

Lab Sample I D	Sample Location	Date	Time	Sample Type	Temp °C	pH	D.S.S.O	Salinity	NH_3, NO_3, PO_4	624	VOA, SO_4, TC	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 #4S 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		0930							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):
Zeart	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

Custody.xls2/14/97

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

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Data File Name **v00281.d**
Operator **Paul Skelton**
Date Acquired **03/11/97 17:08**

Sample Name **2375.03**
Field ID **Stream Site 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			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(

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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.monmouth.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: [illegible]

Analysis Parameters: Temp. °C, pH, Diss O_2, Salinity, NH_3, PO_4, NO_3, H_2S, O_4, TC

Comments:

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	Temp. °C	pH	Diss O_2	Salinity	NH_3	PO_4	NO_3	H_2S	O_4	TC	Remarks / Preservation Method
2439 1	STREAM site 22	4/8/97	10:15	AQ	11.3	5.83	10.9	20							All Samples Kept ≤ 4°C
2	21		1025		11.6	7.21	10.6	19							NH_3 Has H_2SO_4
3	20		1035		11.0	7.20	9.5	17							624 Has HCl
4	HT: 2.48 9		1045		11.8	7.70	11.5	5							17 250 ml Plastic w/ H_2SO_4
5	19		1055		11.9	7.71	12.5	2							17 500 ml Plastic
6	HT: 7.24 12		1105		11.4	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		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):
[illegible]	4/8/97 1445	[illegible] 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:	

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 PO_4	CN SO_4 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		1005								17 whirl Bags
											36 VOA w/ HCl

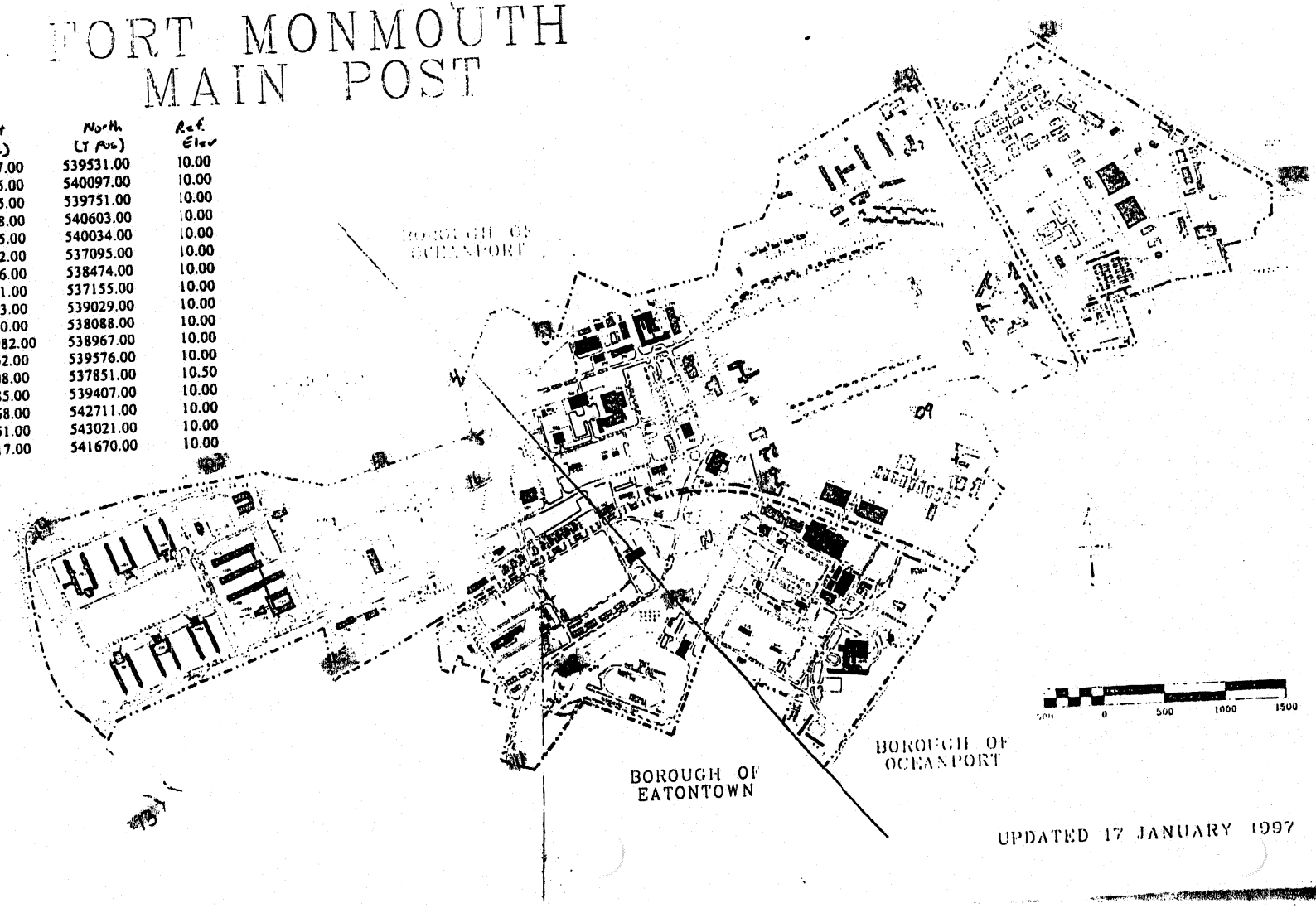
Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[illegible]	4/8/97 1:45	[illegible] 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 Coo)	North (Y Coo)	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

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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		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

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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
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D = Value from dilution
PQL = Practical Quantitation Limit

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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

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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

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R.T. = Retention Time

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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
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D = Value from dilution
PQL = Practical Quantitation Limit

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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

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D = Value from dilution
PQL = Practical Quantitation Limit

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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

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R.T. = Retention Time

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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

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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

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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

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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
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R.T. = Retention Time

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	0.5	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

Rhaska M. [illegible]
For Daniel Wright 07/26/97
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 Poppist Scott Weyman / ATS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Temp °C	pH	Diss O2	Salinity	NH3 PO4 Na3	Gly SO4	TC	Remarks / Preservation Method
2810 1	STREAM site 22	7/17/97	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				NH3 Has H2SO4
3	20		900			28.2	8.33	4.0	25				Gly - HCl
4	HT: 1.86 9		915			26.8	5.51	10.2	10				17 250 Plastic w/H2SO4
5	19		930			26.4	7.16	11.3	1				17 250 Plastic
6	HT: [illegible] 12		945			27.3	7.31	[illegible]	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]	7/17/97 1330	[signature] 7-17-97			
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, SELFM-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 Polevist Scott Meyer /TVS

Analysis Parameters: Temp °C, pH, Diss O_2, Salinity, NH_3 for NH_3, 624, SO_4, TC

Lab Sample ID	Sample Location	Date	Time	Sample Type	# bottles	Temp °C	pH	Diss O_2	Salinity	NH_3 for NH_3	624	SO_4	TC	Remarks / Preservation Method
7810 15	Stream site 3	7/7/97	1155	A.O	5	20.8	7.82	9.4	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		1220			23.4	7.77	7.4	0					624 - HCl
18	Trip Blank		0800		2									17 250 Plastic w/ H_2SO_4
19	Field Blank		1210		2									17 250 Sound Plastic
														17 Total Bags
														36 VOA 40 ml w/ HCl

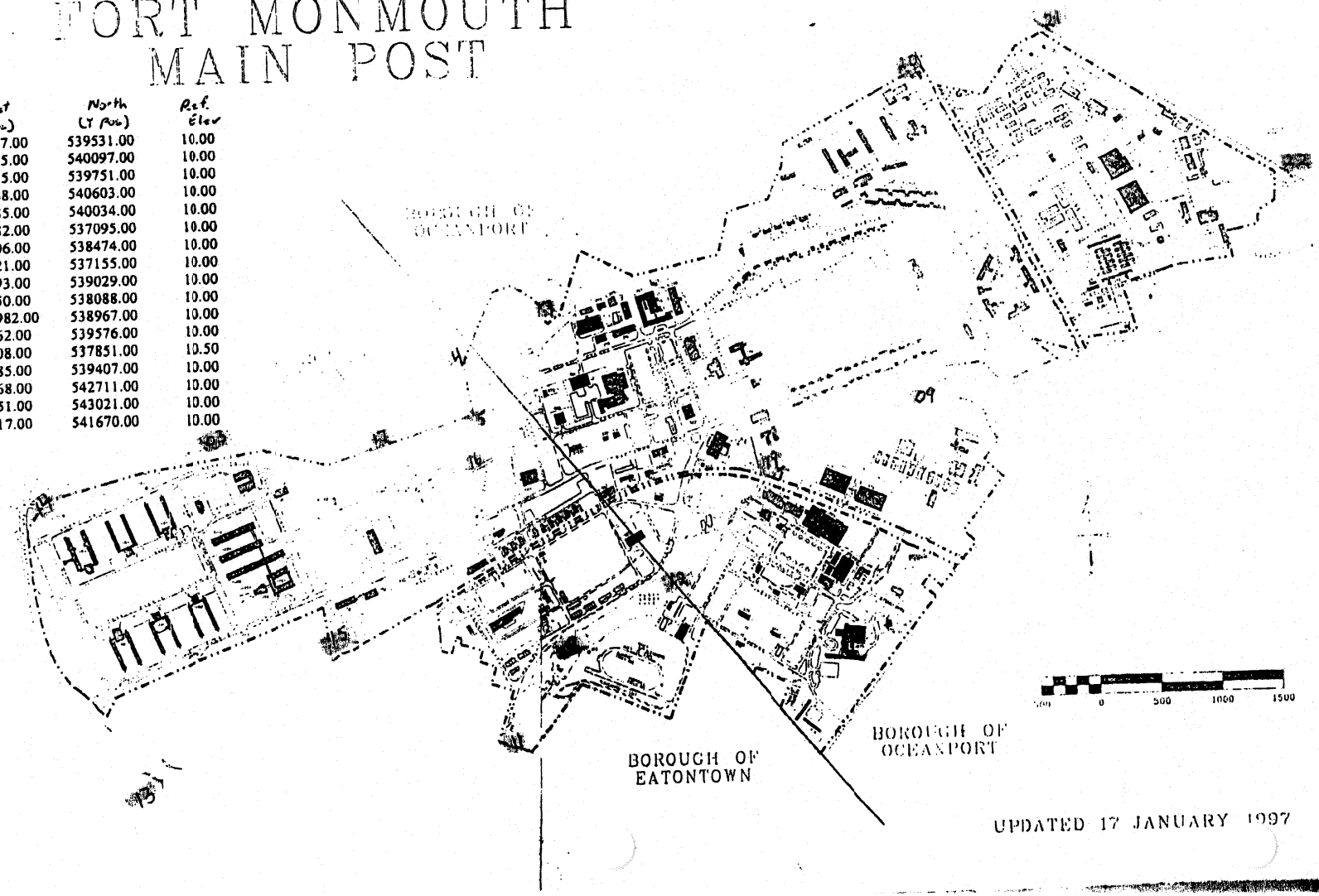
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[illegible]	7/7/97 1330	[illegible] 7/7/97			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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 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

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**
Operator **Skelton**
Date Acquired **29-Jul-97**

Sample Name **2810.18**
Field ID **Trip Blank**
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**
Operator **Skelton**
Date Acquired **29-Jul-97**

Sample Name **2810.19**
Field ID **Field Blank**
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

freshWATER03.xls

7/16/99 10:42 AM

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

SALTWATER03.xls

7/16/99 10:31 AM

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

Data File **Vb01337.d**
Operator **Skelton**
Date Acquired **29-Jul-97**

Sample Name **2810.11**
Field ID **StreamSite#07**
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**
Operator **Skelton**
Date Acquired **29-Jul-97**

Sample Name **2810.04**
Field ID **StreamSite#09**
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

SALTWATER03.xls

7/16/99 10:34 AM

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

Data File **VB01325.d**
Operator **Skelton**
Date Acquired **29-Jul-97**

Sample Name **2810.08**
Field ID **StreamSite#11**
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

freshWATER03.xls

7/16/99 10:44 AM

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

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

Data File **VB01343.d**
Operator **Skelton**
Date Acquired **29-Jul-97**

Sample Name **2810.17**
Field ID **StreamSite#13**
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

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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

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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**
Operator **Skelton**
Date Acquired **29-Jul-97**

Sample Name **2810.14**
Field ID **StreamSite#17**
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

SALTWATER03.xls

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

Data File **VB01324.d**
Operator **Skelton**
Date Acquired **29-Jul-97**

Sample Name **2810.07**
Field ID **StreamSite#18**
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	4367	1.06 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

freshWATER03.xls

7/16/99 10:49 AM

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

Data File **Vb01322.d**
Operator **Skelton**
Date Acquired **29-Jul-97**

Sample Name **2810.05**
Field ID **StreamSite#19**
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

SALTWATER03.xls

7/16/99 10:36 AM

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

Data File **Vb01320.d**
Operator **Skelton**
Date Acquired **28-Jul-97**

Sample Name **2810.03**
Field ID **StreamSite#20**
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	14.12	18452	2.63 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	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

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7/16/99 10:37 AM

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

Data File	Vb01319.d	Sample Name	2810.02
Operator	Skelton	Field ID	StreamSite#21
Date Acquired	28-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	14.12	194992	2.90 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	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	**Vb01318.d**	Sample Name	**2810.01**
Operator	**Skelton**	Field ID	**StreamSite#22**
Date Acquired	**28-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	14.12	194992	2.90 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	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

SALTWATER03.xls

Stream Water Analysis

July 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
2810.01	7/17/97	22	8.90	0.34	1.0	0.80	1650	9.2	1440	200	22
2810.02	7/17/97	21	8.32	0.36	0.7	1.36	1350	5.0	460	200	26
2810.03	7/17/97	20	8.33	0.40	0.9	1.26	1150	4.0	220	140	25
2810.04	7/17/97	09	8.81	0.69	0.7	0.51	110	10.2	1600	480	10
2810.05	7/17/97	19	9.96	0.20	0.7	0.14	21	11.3	2400	620	1
2810.06	7/17/97	12	9.33	0.07	0.9	0.16	23	15.3	1100	140	0
2810.07	7/17/97	18	8.12	0.13	0.8	0.11	25	10.9	2420	340	0
2810.08	7/17/97	11	7.87	0.13	2.0	0.18	24	9.2	2160	1040	2
2810.09	7/17/97	15	7.77	0.31	1.1	0.43	24	10.8	3440	220	0
2810.10	7/17/97	16	7.47	0.44	2.2	0.42	36	7.4	3020	420	0
2810.11	7/17/97	07	10.7	0.08	0.4	0.36	180	7.4	TNTC	620	5
2810.12	7/17/97	04	7.52	0.33	ND	0.39	185	19.9	TNTC	740	[illegible]
2810.13	7/17/97	05	7.37	0.38	0.3	0.36	120	6.8	TNTC	500	2
2810.14	7/17/97	17	7.16	3.9	ND	0.56	105	7.0	2080	920	2
2810.15	7/17/97	03	7.82	0.23	0.9	0.36	140	9.9	TNTC	1040	3
2810.16	7/17/97	14	7.57	0.16	0.9	0.63	24	9.1	2400	220	2
2810.17	7/17/97	13	7.73	0.13	0.7	0.29	23	7.4	2300	300	0

mg/L = parts per million
cfu = colony forming units
ND = Not detected
TNTC = Too numerous to count

Completed:7/97
Reviewed: 7/97

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/4th Qtr.

Streams

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Stream Site 22	3121.01	Aqueous	30-Oct-97 08:20	10/30/97
Stream Site 21	3121.02	Aqueous	30-Oct-97 08:35	10/30/97
Stream Site 20	3121.03	Aqueous	30-Oct-97 08:45	10/30/97
Stream Site 09	3121.04	Aqueous	30-Oct-97 09:00	10/30/97
Stream Site 19	3121.05	Aqueous	30-Oct-97 09:15	10/30/97
Stream Site 12	3121.06	Aqueous	30-Oct-97 09:25	10/30/97
Stream Site 18	3121.07	Aqueous	30-Oct-97 09:35	10/30/97
Stream Site 11	3121.08	Aqueous	30-Oct-97 09:45	10/30/97
Stream Site 15	3121.09	Aqueous	30-Oct-97 10:10	10/30/97
Stream Site 16	3121.10	Aqueous	30-Oct-97 10:20	10/30/97
Stream Site 07	3121.11	Aqueous	30-Oct-97 10:35	10/30/97
Stream Site 04	3121.12	Aqueous	30-Oct-97 10:50	10/30/97
Stream Site 05	3121.13	Aqueous	30-Oct-97 11:00	10/30/97
Stream Site 17	3121.14	Aqueous	30-Oct-97 11:10	10/30/97
Stream Site 03	3121.15	Aqueous	30-Oct-97 11:20	10/30/97
Stream Site 14	3121.16	Aqueous	30-Oct-97 11:35	10/30/97
Stream Site 13	3121.17	Aqueous	30-Oct-97 11:45	10/30/97

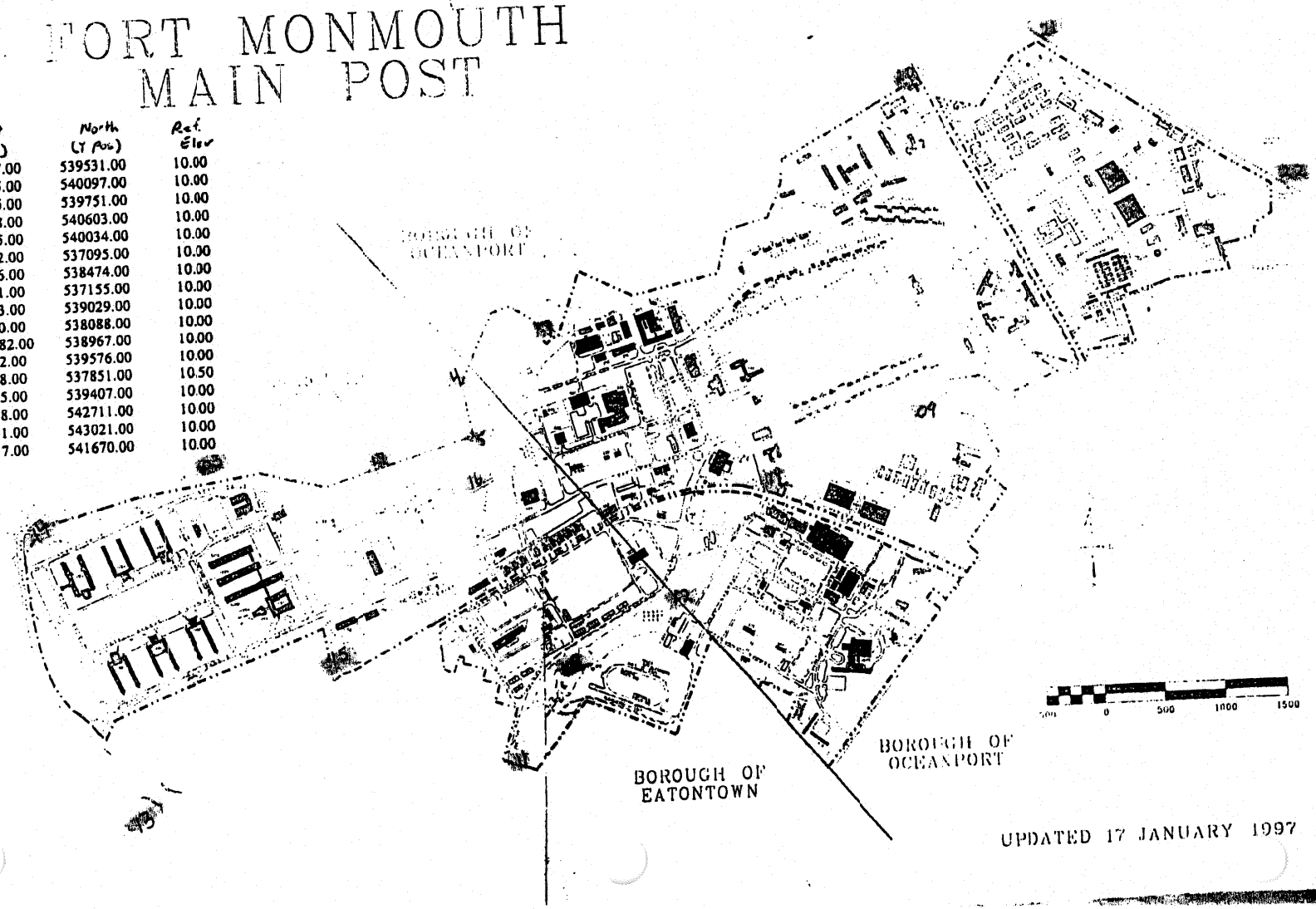
ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Bhaskar M. Patel
For Daniel Wright 11/4/97
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
( )DERA ( )OMA ( )Other:_____

Project No:
Location: STREAMS Oct 97

Samplers Name / Company: Ray Polguist

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Temp °C	pH	Diss O_2	Salinity	NH_3	PO_4	SO_4	Na	VOA	T.C.	Remarks / Preservation Method
3121 1	STREAMSITE 22	10/30/97	0820	AQ	5	9.5	~~8.60~~ 6.91	~~7.5~~ 8.6	25	X	X	X	X	X	X	All Samples Kept ≤ 4°C
2	21		0835			9.2	7.01	7.4	22							NH_3 Has H_2SO_4
3	20		0845			9.9	7.07	7.2	25							VOA - HCl
4	HT: 2.28 9		0900			~~11.7~~ 11.2	8.46	10.2	3							17 250ml Plastic w/ H_2SO_4
5	19		0915			11.1	8.65	9.3	2							17 250ml Plastic
6	HT: 7.30 12		0925			11.6	8.30	8.8	2							17 whirl Bags
7	18		0935			11.4	10.05	9.5	2							36 VOA 40ml w/HCl
8	11		0945			11.5	9.32	10.2	2							
9	15		1010			11.2	8.50	10.8	2							
10	HT: 16		1020			11.1	8.78	9.4	2							
11	HT: 2.10 7		1035			10.1	7.78	11.0	5							HT: could not find
12	4		1050			11.3	8.32	9.3	5							
13	5		1100			11.3	8.36	10.3	4							
14	17		1110			10.0	8.35	11.0	3							Key #23 - L27

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	10/30/97 1305	L. DeBenedetto			
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

~me1328.xls10/27/97

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

Customer: I. Fallon
Phone #: X26223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: STREAMS OCT 97

Samplers Name / Company: Ray Pogwist

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Temp °C	pH	Diss O_2	Salinity	NH_3	PO_4 SO_4 NO_3	VOA	TC	Remarks / Preservation Method
3121 15	STream site 3	10/30/97	1120	AQ	5	11.4	8.38	10.2	3	X	X	X	X	All Samples Kept ≤ 4°C
16	14		1135			10.6	8.37	9.2	2					NH_3 Has H_2SO_4
17	13		1045			12.2	8.20	10.4	2					VOA Hcl
18	TRip Blank				2									17 250ml Plastic w/H_2SO_4
19	Field Blank				2									17 250ml Plastic
														17 whirl Bags
														36 VOA 40ml w/Hcl
														Key #13-227

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[illegible]	10/30/97 1305	K. DeBenedetto			
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:

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 **V02346.d**
Operator **Skelton**
Date Acquired **03-Nov-97**

Sample Name **Daily Blank**
Field ID **Daily Blank**
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	**V02369.d**	Sample Name	**Daily Blank**
Operator	**Skelton**	Field ID	**Daily Blank**
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

freshWATER03.xls

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

Data File	**V02370.d**	Sample Name	**3121.18**
Operator	**Skelton**	Field ID	**Trip Blank**
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	13.41	33132	7.31 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	V02371.d	Sample Name	3121.19
Operator	Skelton	Field ID	Field Blank
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	13.41	18354	3.89 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

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R.T. = Retention Time

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

Data File	**V02377.d**	Sample Name	**3121.15**
Operator	**Skelton**	Field ID	**SS03**
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
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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

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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
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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

SALTWATER03.xls

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

Data File **V02360.d**
Operator **Skelton**
Date Acquired **03-Nov-97**

Sample Name **3121.04**
Field ID **StreamSite#09**
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

SALTWATER03.xls

7/16/99 11:30 AM

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

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7/16/99 11:19 AM

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

Data File **V02362.d**
Operator **Skelton**
Date Acquired **03-Nov-97**

Sample Name **3121.06**
Field ID **SS12**
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
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D = Value from dilution
PQL = Practical Quantitation Limit

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

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7/16/99 11:21 AM

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**
Operator **Skelton**
Date Acquired **04-Nov-97**

Sample Name **3121.10**
Field ID **StreamSite#16**
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

SALTWATER03.xls

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

Data File **V02363.d**
Operator **Skelton**
Date Acquired **04-Nov-97**

Sample Name **3121.07**
Field ID **SS18**
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

SALTWATER03.xls

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

Data File **V02359.d**
Operator **Skelton**
Date Acquired **03-Nov-97**

Sample Name **3121.03**
Field ID **StreamSite#20**
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

SALTWATER03.xls

7/16/99 11:34 AM

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**
Operator **Skelton**
Date Acquired **03-Nov-97**

Sample Name **3121.01**
Field ID **StreamSite#22**
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	0.54	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

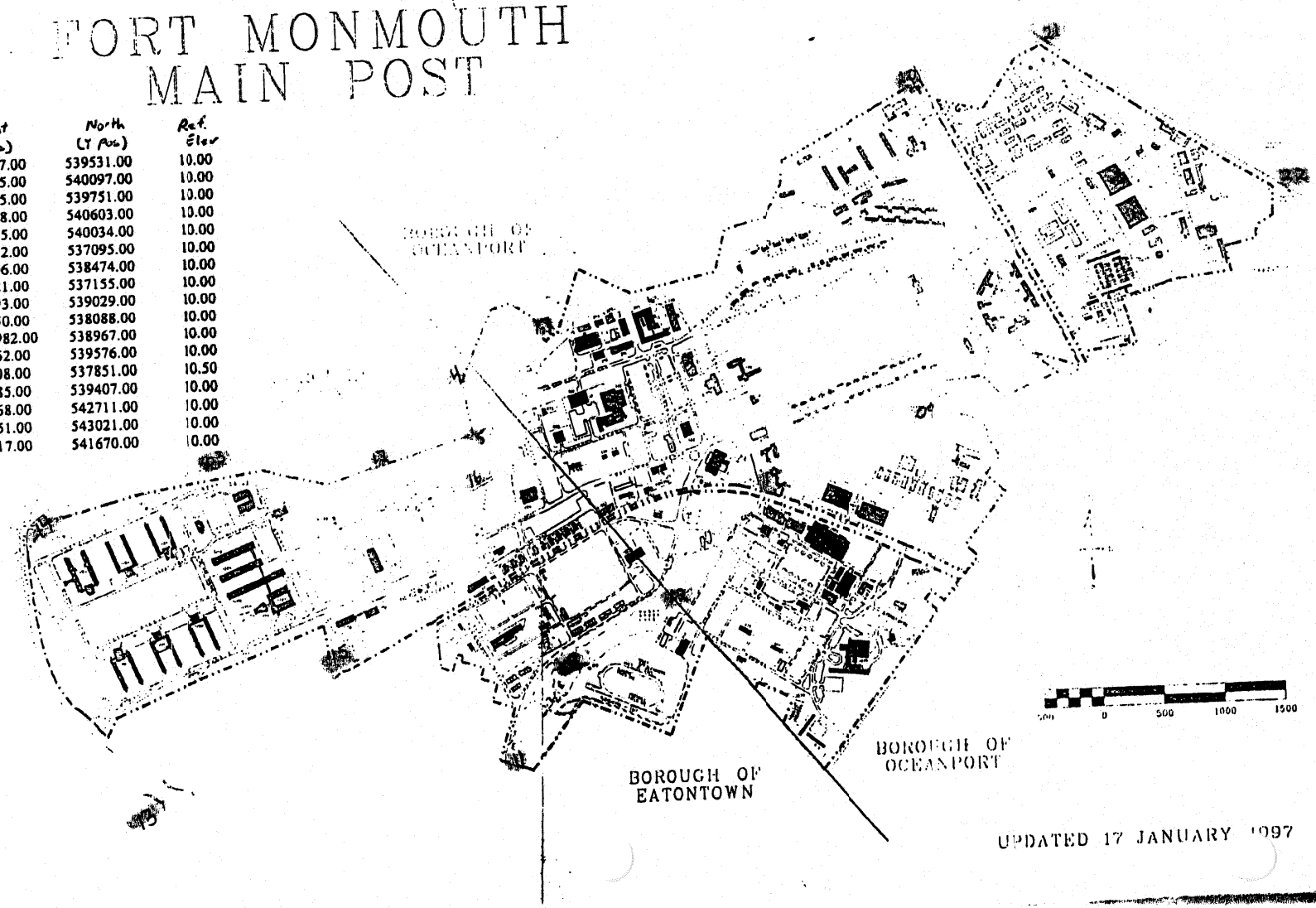
ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Bhaskar M. Patel
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 #: X 26223
(X)DERA ( )OMA ( )Other:
Project No:
Location: STREAMS
Samplers Name / Company: Ray Pogwist / Dave Hanlt / TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Temp °C	pH	Diss O_2	Salinity	NH_3	PO_4 SO_4 NO_3	VOA	TC	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	8.48	13.2	1					17 250 ml Plastic w/H_2SO_4
05	19		1000			5.5	8.78	10.8	N/O					17 250 ml Plastic
06	HT: 7.40 12		1010			6.5	8.51	10.5	N/O					17 whirl Bags
07	18		1025			7.5	9.85	10.3	N/O					3 8 VOA 40 ml w/HCl
08	11		1035			7.4	9.51	11.2	N/O					
09	15		10:45			5.7	9.28	11.5	N/O					
10	HT: 16		1110			5.9	8.90	14.1	N/O					Could 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 #23-227

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[illegible]	2/10/98 1100	[illegible]			
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
(✓)DERA ( )OMA ( )Other:
Project No:
Location: Streams
Samplers Name / Company: Ray Poglist / TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Temp °C	pH	$DissO_2$	Salinity	NH_3	PO_4 SO_4 NO_3	VOA	TC	Remarks / Preservation Method
3331 15	Stream site 3	2/10/98	1300	AQ	5	5.9	8.22	10.2	2	X	X	Y	Y	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	↓	80	↓	↓					↓	↓	↓	↓	17 250ml Plastic w/H_2SO_4
19	Field Blank	↓	1330	↓	↓					↓	↓	↓	↓	17 250ml Plastic
20	Field Dup	↓	—	↓	↓	6.7	8.10	10.2	0	X	X	X	Y	17 Vial Bags
														38 VOA 40ml w/HCl

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):

Report Type: (_)Full, (_)Reduced, (_)Standard, (_)Screen / non-certified
Turnaround time: (_)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

Comments:

~me0753.xls1/13/98

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**
Operator **Skelton**
Date Acquired **12-Feb-98**

Sample Name **3331.19**
Field ID **Field Blank**
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

freshWATER03.xls

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
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D = Value from dilution
PQL = Practical Quantitation Limit

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R.T. = Retention Time

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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
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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

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PQL = Practical Quantitation Limit

MDL = Method Detection Limit
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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
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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

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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
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D = Value from dilution
PQL = Practical Quantitation Limit

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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

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MDL = Method Detection Limit
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R.T. = Retention Time

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7/16/99 12:03 PM

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

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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

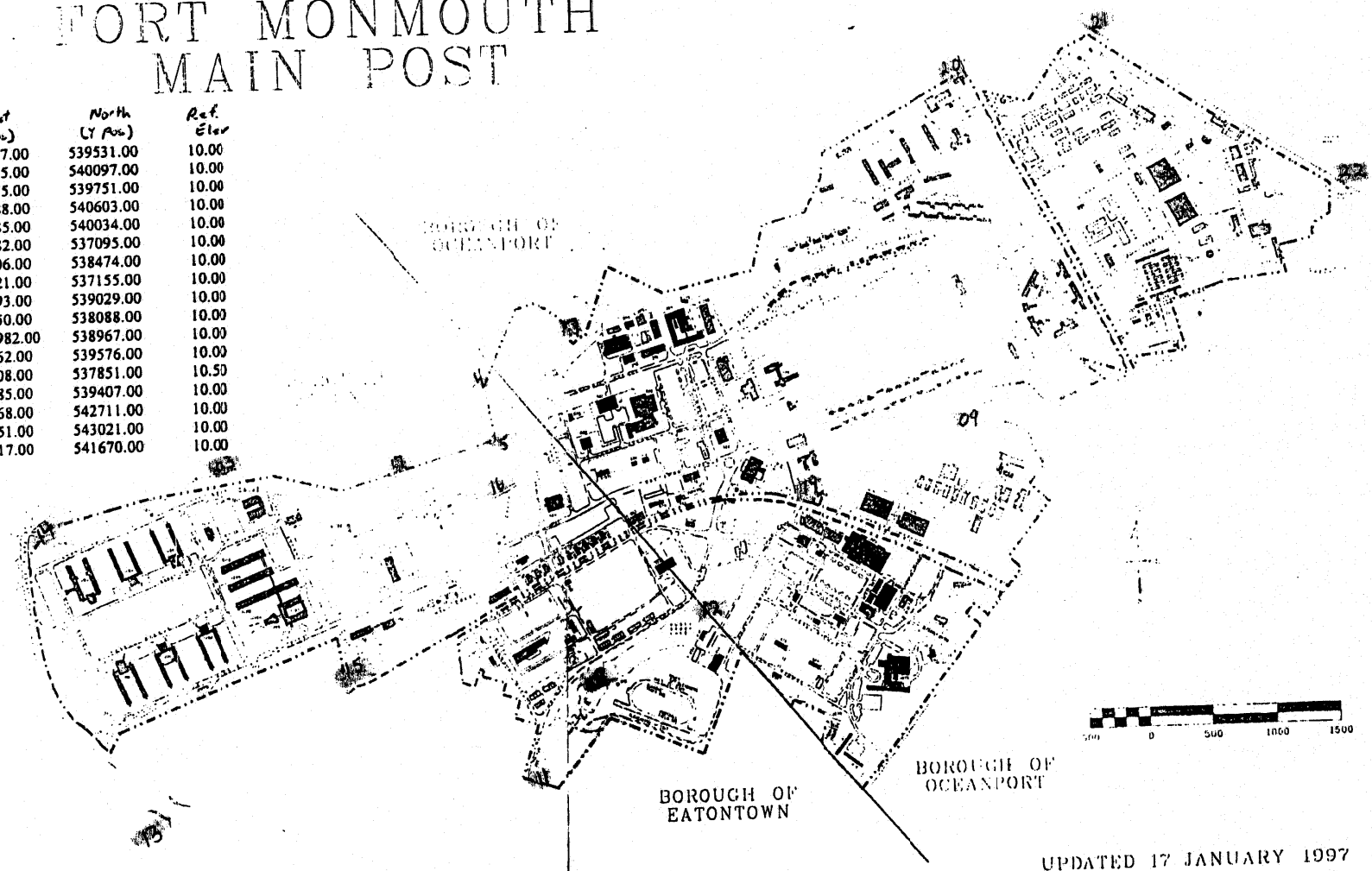
ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

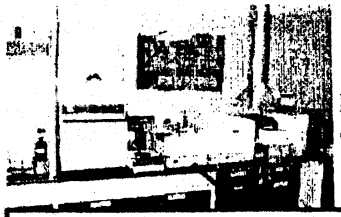
7.20.99
Daniel Wright/Date
Laboratory Director

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



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

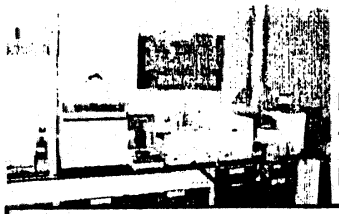
Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Temp. C°	pH	Diss. O_2	% Salinity	VOA	NH_3	PO_4, SO_4, NO_3	Total Coliform	Remarks / Preservation Method
3499 .01	Stream Site #22	4/21/98	0820	Aq	5	13.5	6.60	7.03	15	X	X	X	X	All samples kept <4 C°
.02	#21	4/21/98	0835	Aq	5	12.9	6.81	6.93	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 REACHABLE #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	

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
D. DeBenedetto	4/21/98 1245	[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:



Fort Monmouth Environmental Testing Laboratory

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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
34/99 .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

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
L. DeBenedetto	4/21/98 1245	J. Vergurk			
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

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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	
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

freshWATER03.xls

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

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7/16/99 9:44 AM

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

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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**
Operator **Skelton**
Date Acquired **30-Aug-98**

Sample Name **3499.07**
Field ID **StreamSite#18**
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

SALTWATER03.xls

7/16/99 10:03 AM

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

Data File **Vb00242.d**
Operator **Skelton**
Date Acquired **30-Aug-98**

Sample Name **3499.03**
Field ID **SreamSite#20**
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

SALTWATER03.xls

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

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/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

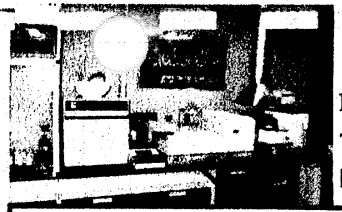
Bhaskar M. Patel
For Daniel Wright 09/01/98
Daniel Wright/Date
Laboratory Director

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
Phone #: 26223
(✓)DERA ( )OMA ( )Other:_____
Project No:
Location: 3rd Qrtr Streams
Samplers Name / Company: CPM / LD TVS

Analysis Parameters: VOA, NH_3, PO_4, SO_4, NO_3, Total Coli, °C Temp, pH, Diss O_2, Salinity %

Comments: HCL/HNO_3/4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA	NH_3	PO_4, SO_4, NO_3	Total Coli	°C Temp	pH	Diss O_2	Salinity %	Remarks / Preservation Method
3816 .01	SS 22	8-19-98	1005	AQ	5	✓	✓	✓	✓	22.0	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	4.46	1.0	0%
.08	Ht: ? 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	✓	✓	✓	✓	28.8	6.71	3.37	1.005	1%

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
CPM/LB	8/19/98 1500	[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: Started at beginning of out going Tide.

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): -0.3C

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	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
10
-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
(✓)DERA ( )OMA ( )Other:_____
Project No:
Location: 3rd Qtr Streams
Samplers Name / Company : CPM / LD TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA	NH_3	Pb, Sec, Ni, Cu	Total Col.	Temp °C	pH	Diss O_2	Salinity %	Comments: HCL / HNO_3 / 4°C Remarks / Preservation Method
3816.15	SS 3	8-19-98	1405	AQ	5	✓	✓	✓	✓	30.5	6.90	2.88	1.00	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~~	~~4.35~~	~~1.0~~	~~0%~~ 8/19/98 LD
.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	[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

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): 0.3c

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

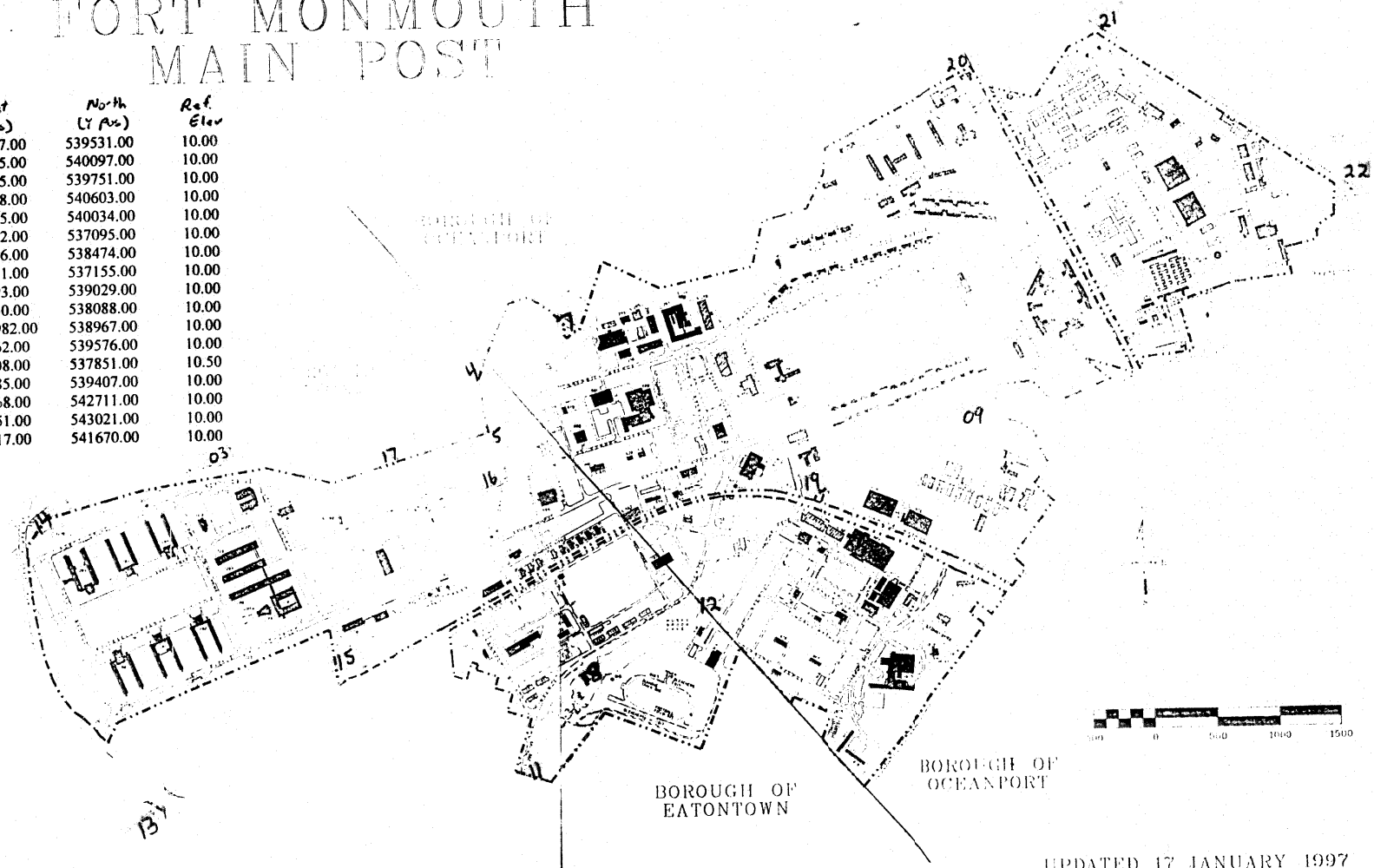
Sample ID	pH	Preservative	Sample ID	pH	Preservative
3816.01	<2	HCl	3816.15	<2	HCl
02			16		
03			17		
04			18		
05			19		
06			20		
07					
08					
09					
10					
11					
12					
13					
14					

Comments:

F0201.d0c

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



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**
Operator **Skelton**
Date Acquired **21 Aug 1998 10:14 am**

Sample Name **VBLK37**
Field ID **VBLK37**
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**	Sample Name	**3816.01**
Operator	**Skelton**	Field ID	**SS22**
Date Acquired	**21 Aug 1998 11:38 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	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**
Operator **Skelton**
Date Acquired **22 Aug 1998 12:23 am**

Sample Name **3816.02**
Field ID **SS21**
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**
Operator **Skelton**
Date Acquired **22 Aug 1998 1:54 am**

Sample Name **3816.04**
Field ID **SS09**
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**
Operator **Skelton**
Date Acquired **22 Aug 1998 3:25 am**

Sample Name **3816.06**
Field ID **SS12**
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
Operator Skelton
Date Acquired 22 Aug 1998 4:55 am

Sample Name 3816.08
Field ID SS11
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**
Operator **Skelton**
Date Acquired **22 Aug 1998 6:26 am**

Sample Name **3816.10**
Field ID **SS16**
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**
Operator **Skelton**
Date Acquired **27 Aug 1998 2:07 pm**

Sample Name **3816.12**
Field ID **SS 4**
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**
Operator **Skelton**
Date Acquired **27 Aug 1998 4:16 pm**

Sample Name **3816.14**
Field ID **SS 17**
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**
Operator **Skelton**
Date Acquired **27 Aug 1998 5:55 pm**

Sample Name **3816.16**
Field ID **SS 14**
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**
Operator **Skelton**
Date Acquired **27 Aug 1998 9:07 pm**

Sample Name **3816.20**
Field ID **Trip 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	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:

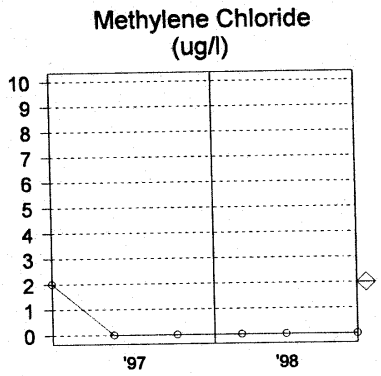
Fort Monmouth

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
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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

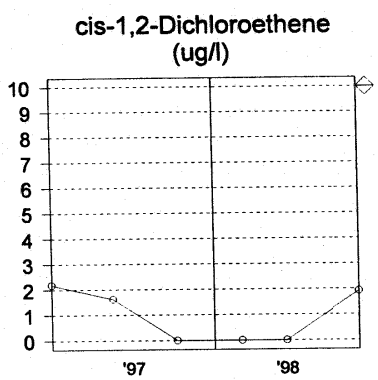
NOTES:

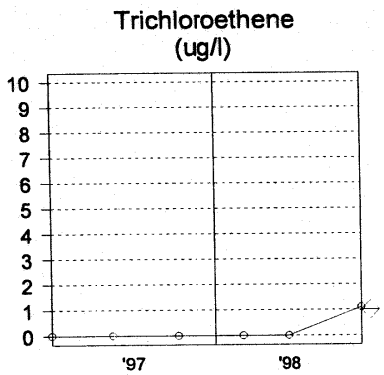
Fort Monmouth

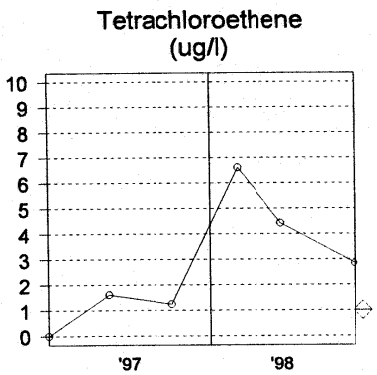
GW Monitoring
Streams

Well 2 of 17

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







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	2.28
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

SOURCE: 5

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

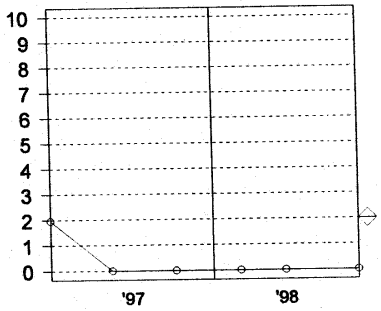
Fort Monmouth

GW Monitoring
Streams

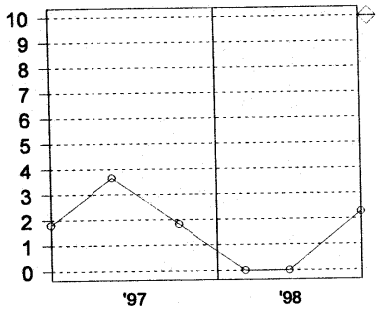
Well 3 of 17

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

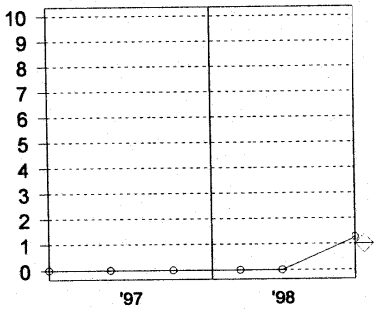
Methylene Chloride
(ug/l)



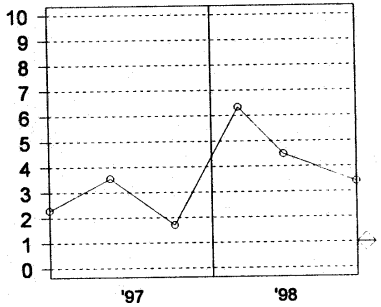
cis-1,2-Dichloroethene
(ug/l)



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-di 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

SOURCE: 7

Sampling Dates:
04/08/97 - 08/19/98

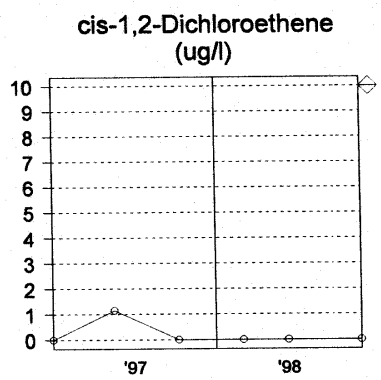
NOTES:

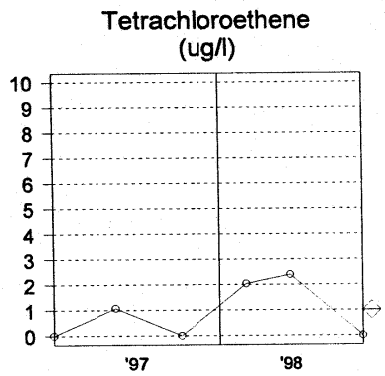
Fort Monmouth

GW Monitoring
Streams

Well 4 of 17

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





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

09-28-1998 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

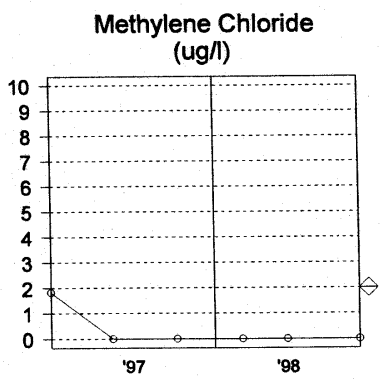
NOTES:

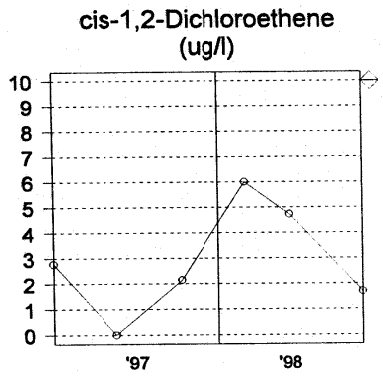
Fort Monmouth

GW Monitoring
Streams

Well 5 of 17

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





SOURCE: 9

Sampling Dates:
04/08/97 - 08/19/98

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

06-28-1998 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

SOURCE: 11

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 6 of 17

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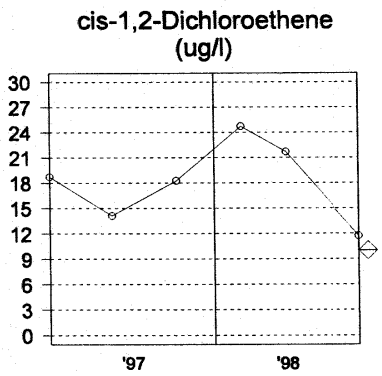
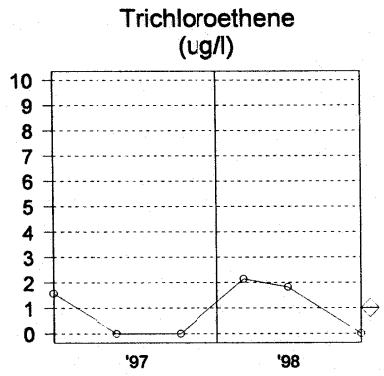
FORT MONMOUTH
SELFM-PW-EV





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

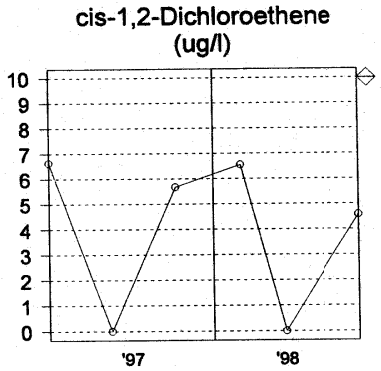
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 7 of 17

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



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

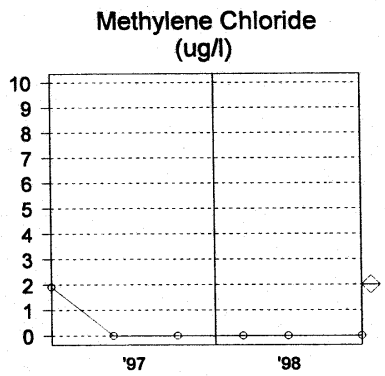
NOTES:

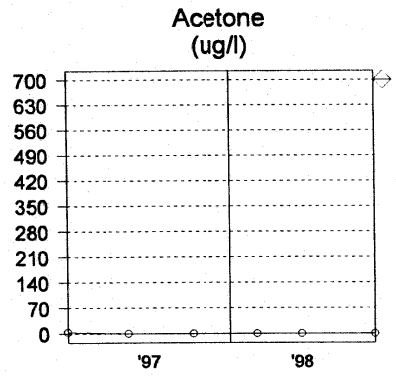
Fort Monmouth

GW Monitoring
Streams

Well 8 of 17

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





SOURCE: 13

Sampling Dates:
04/08/97 - 08/19/98

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

09-28-1998 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

SOURCE: 14

Sampling Dates:
04/08/97 - 08/19/98

NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 9 of 17

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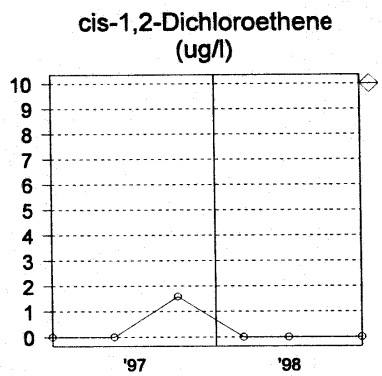
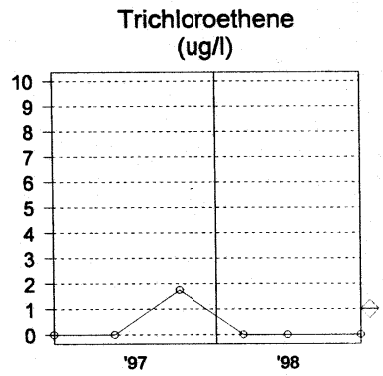
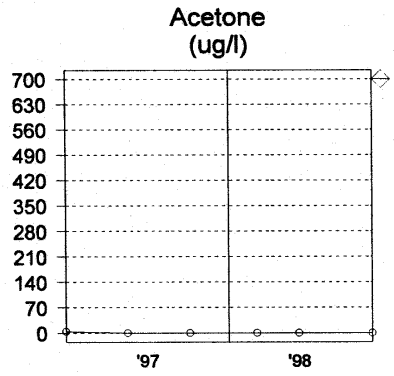
SELFM-PW-EV







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-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

SOURCE: 15

Sampling Dates:
04/08/97 - 08/19/98

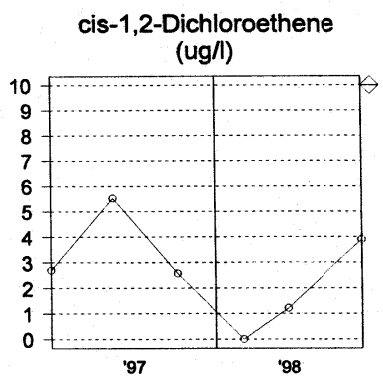
NOTES:

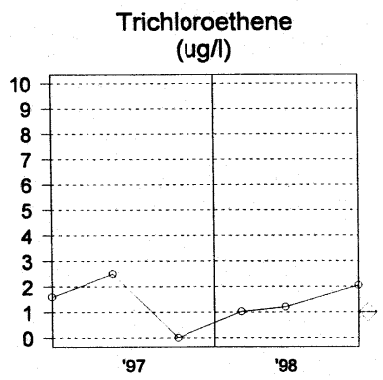
Fort Monmouth

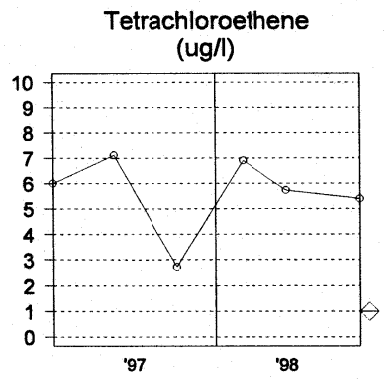
GW Monitoring
Streams

Well 10 of 17

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







SOURCE: 15

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 10 of 17, Graph

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

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

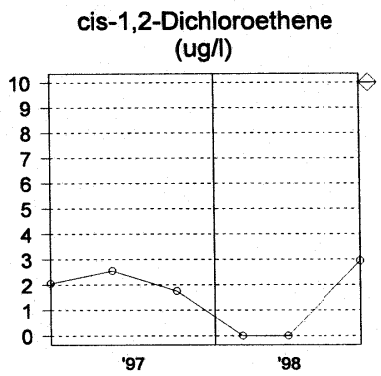
NOTES:

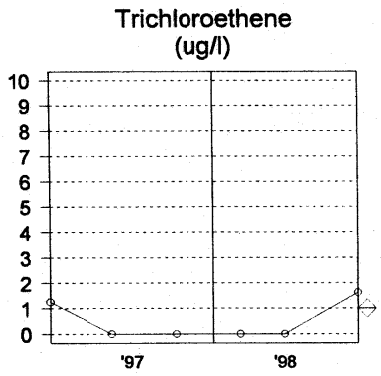
Fort Monmouth

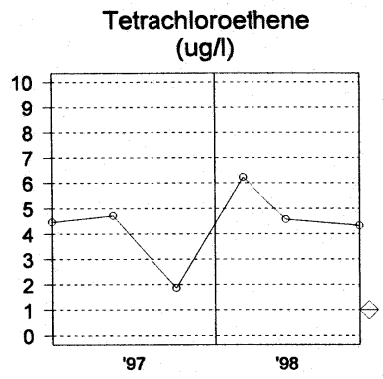
GW Monitoring
Streams

Well 11 of 17

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







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

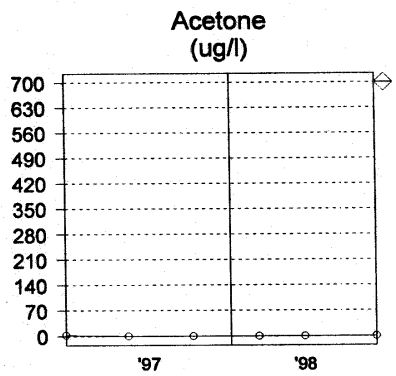
NOTES:

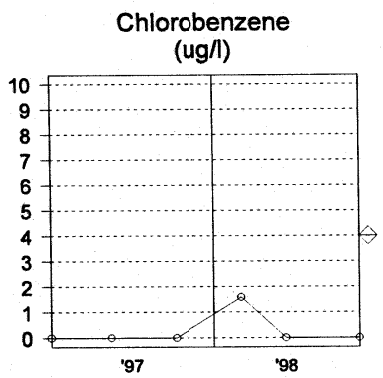
Fort Monmouth

GW Monitoring
Streams

Well 12 of 17

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





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

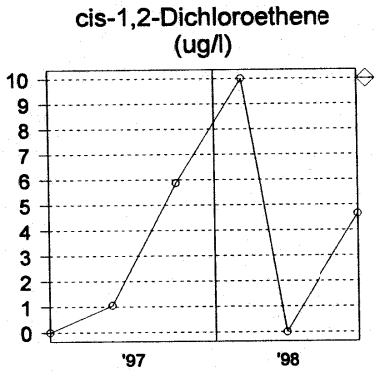
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 13 of 17

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



SOURCE: 18

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 13 of 17, Graph

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

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	6.44
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

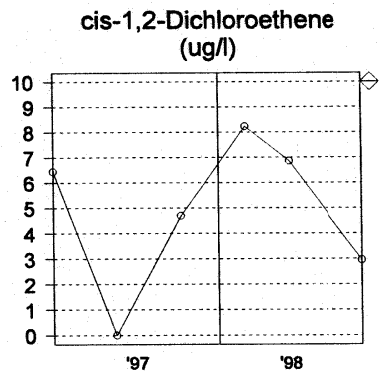
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 14 of 17

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



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

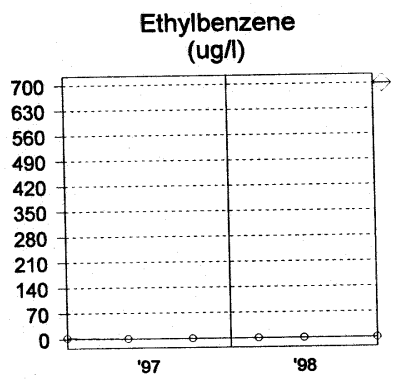
NOTES:

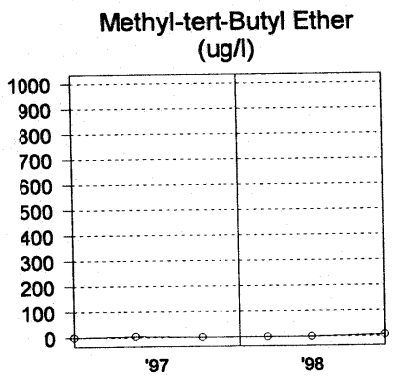
Fort Monmouth

GW Monitoring
Streams

Well 15 of 17

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





SOURCE: 20

Sampling Dates:
04/08/97 - 08/19/98

LEGEND:

PARAMETER

○ = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Well 15 of 17, Graph

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

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:

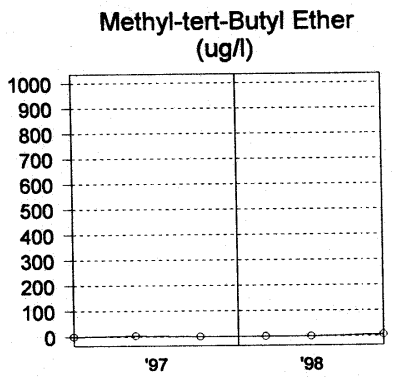
Fort Monmouth

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:

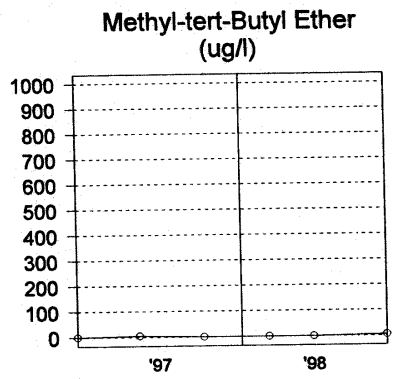
Fort Monmouth

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

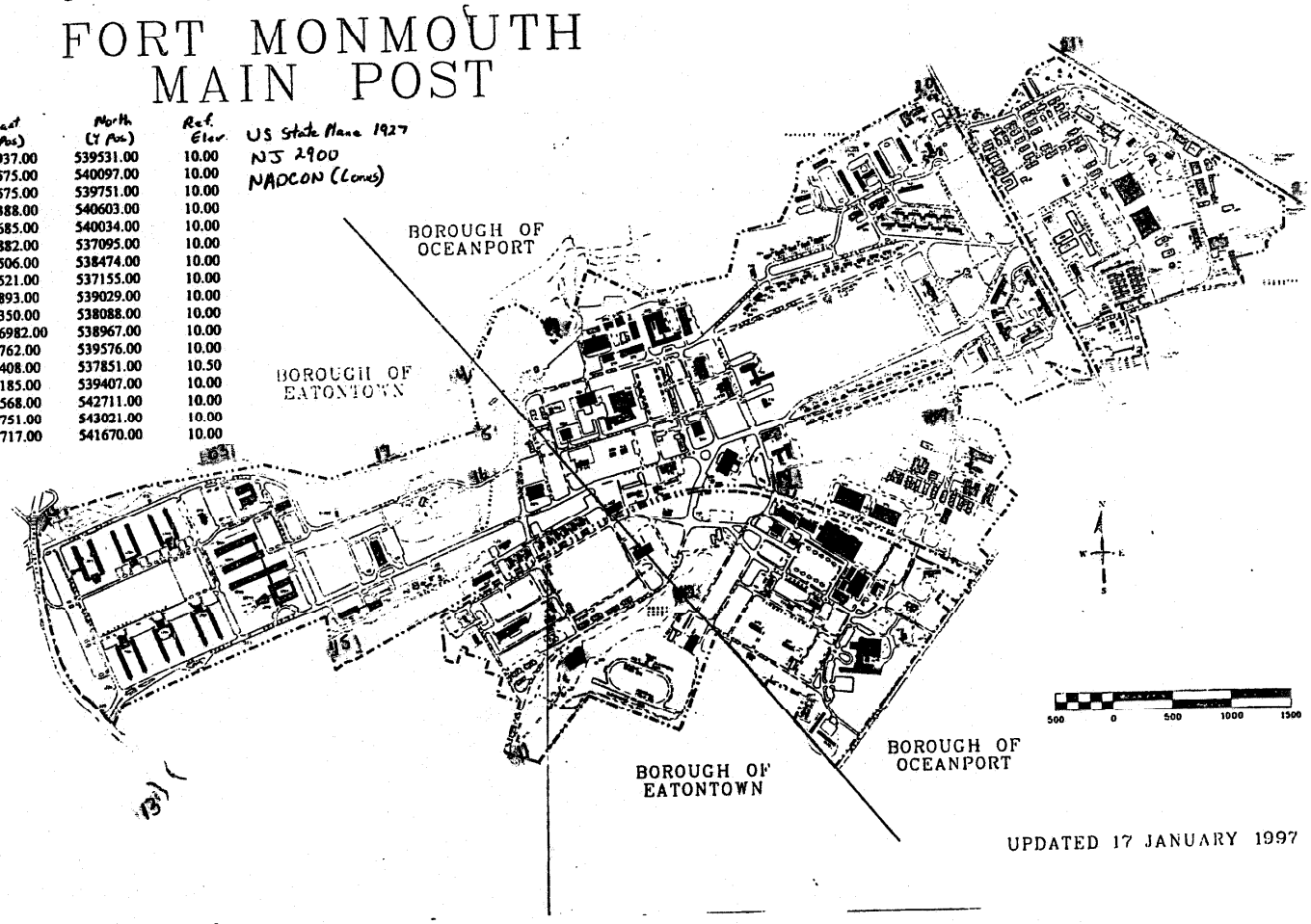
1-5-99

Daniel Wright/Date
Laboratory Director

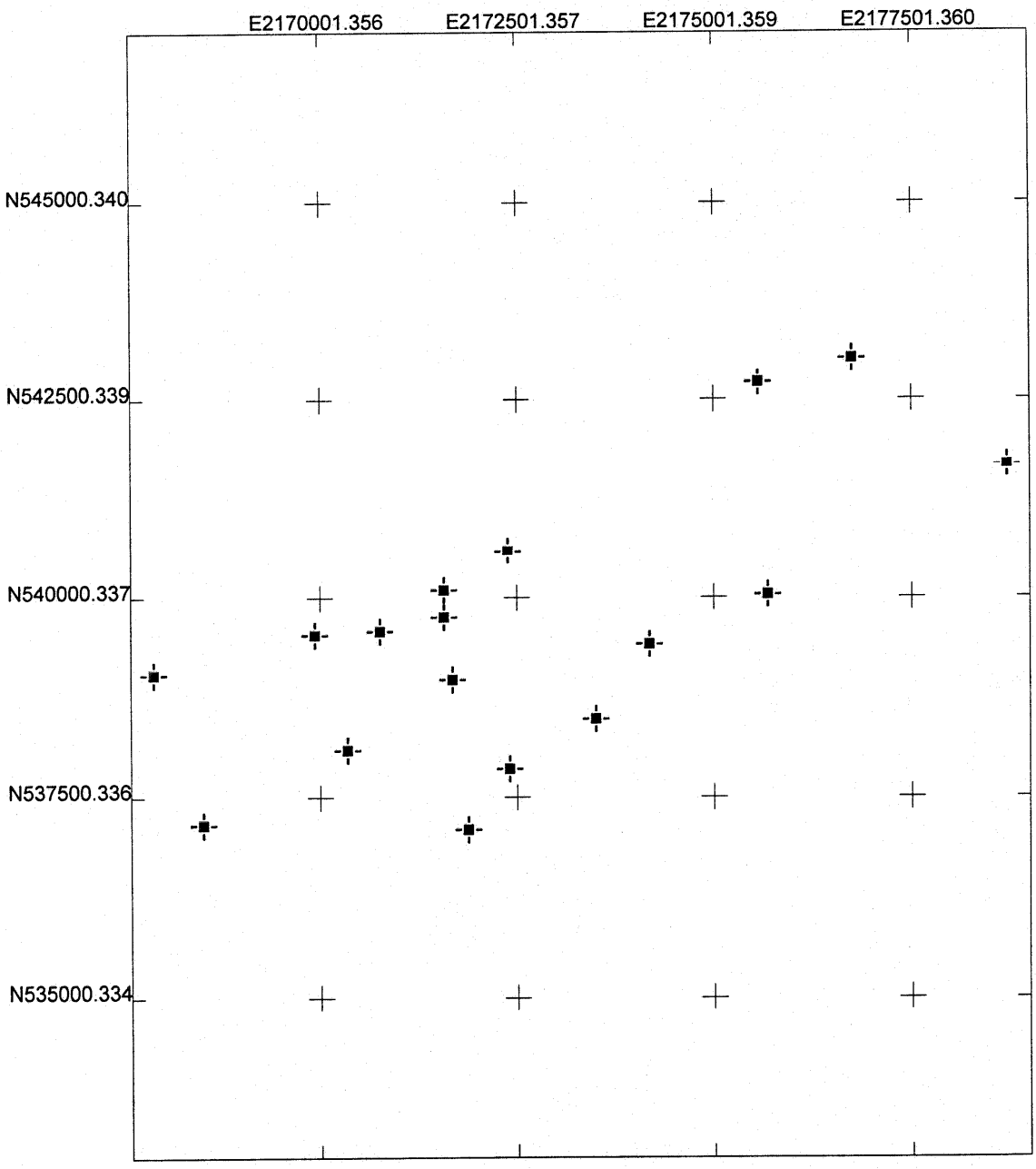
FORT MONMOUTH
MAIN POST

US State Plane 1927
NJ 2900
NADCON (Lones)

from #	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



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 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 #: x26223
(✓)DERA ( )OMA ( )Other:_____
Project No:
Location: 4th Qtr Streams Day 1
Samplers Name / Company: Corey McCormack, TVS

Comments: HCL/HNO_3/H_2SO_4/4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA	NH_3/NO_3	PO_4/SO_4	Total Coliform	Temp °C	pH	D.S. O_2	Salinity	Remarks / Preservation Method
40080.01	Trip Blank	11/17/98	0830	AQ	2	✓								
.02	Field Blank		0900		4 5gm	✓	✓	✓	✗ No sample needed cpm	—	—	—	—	Outgoing Tide cpm
.03	Stream site #22		0930		5	✓	✓	✓	—	11.1°C	8.04	8.45	1.018 26‰	
.04	#21		0945		5	✓	✓	✓	✓	11.3°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 water cpm
.07	#19		1027		5	✓	✓	✓	✓	11.1°C	7.23	8.99	1.002 2‰	
.08	#07		1043		5	✓	✓	✓	✓	11.3°C	7.64	8.06	1.014 15‰	Could not read gauge for light water cpm
.09	#04		1101		5	✓	✓	✓	✓	11.4°C	7.15	8.92	1.007 10‰	
.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	[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

coc.XLS11/16/98

SAMPLE RECEIPT FORM

Date Received: 11-17-98 Day 1 Lab Project ID#: 4060

Site/Project Name: 4th Hobbs Stream Cooler Temp (deg. C): 0.0c

Received By: J. Verquna Sign: J. Verquna
(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:

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 #: x 26223
(✓)DERA ( )OMA ( )Other:_____

Project No:
Location: 4th Qtr Streams Day 2

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VOA; NH_3 / NO_3; PO_4 / SO_4; Total Coliform; °C Temp; pH; Diss O_2; Salinity

Comments: HCL/H_2SO_4/<4°C

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_2	Salinity	Remarks / Preservation Method
40069 .01	Trip	11/18/98	0845	AQ	2	✓								
.02	Field Blank		0900		4 5cm	✓	✓	✓	X No sample for this season	—	—	—	—	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	1.008 1.0%	
.07	#17		~~1039~~ 1057		5	✓	✓	✓	✓	10.9	7.31	8.96	1.009 1%	
.08	#15		1039		5	✓	✓	✓	✓	10.9	7.30	10.10	1.001 1%	
.09	#03		1107		5	✓	✓	✓	✓	11.2	7.58	9.76	1.004 5%	Lots of Algae. cpm
.10	#14		1118		5	✓	✓	✓	✓	10.9	7.43	9.01	1.002 2%	Lots of certain Alg cpm
.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. Vergara			
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: HH Quart-Stream Cooler Temp (deg. C): 1.0 c

Received By: J. Verguna Sign: J. Verguna
(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	H2SO4
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**
Operator **Skelton**
Date Acquired **20 Nov 98 11:54 am**

Sample Name **Vblk65**
Field ID **Vblk65**
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**
Operator **Skelton**
Date Acquired **20 Nov 98 11:54 am**

Sample Name **Vblk65**
Field ID **Vblk65**
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**
Operator **Skelton**
Date Acquired **20 Nov 98 5:39 pm**

Sample Name **4060.01**
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 _____

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**
Operator **Skelton**
Date Acquired **21 Nov 98 3:24 am**

Sample Name **4069.01**
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 _____

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**	Sample Name	**4060.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**20 Nov 98 6:25 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

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**
Operator **Skelton**
Date Acquired **21 Nov 98 4:09 am**

Sample Name **4069.02**
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.: 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

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

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**
Operator **Skelton**
Date Acquired **20 Nov 98 9:26 pm**

Sample Name **4060.06**
Field ID **StreamSite#09**
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

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

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**
Operator **Skelton**
Date Acquired **21 Nov 98 4:54 am**

Sample Name **4069.03**
Field ID **StreamSite#12**
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**
Operator **Skelton**
Date Acquired **21 Nov 98 8:36 am**

Sample Name **4069.08**
Field ID **StreamSite#15**
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**
Operator **Skelton**
Date Acquired **21 Nov 98 7:07 am**

Sample Name **4069.06**
Field ID **StreamSite#16**
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**
Operator **Skelton**
Date Acquired **21 Nov 98 5:38 am**

Sample Name **4069.04**
Field ID **StreamSite#18**
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**
Operator **Skelton**
Date Acquired **20 Nov 98 10:11 pm**

Sample Name **4060.07**
Field ID **StreamSite#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	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**
Operator **Skelton**
Date Acquired **21 Nov 98 1:10 am**

Sample Name **4060.11**
Field ID **Dupe**
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	Tetrachloro ethene
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

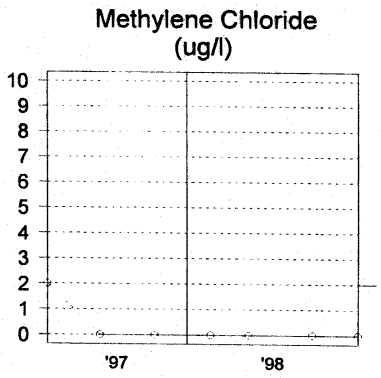
NOTES:

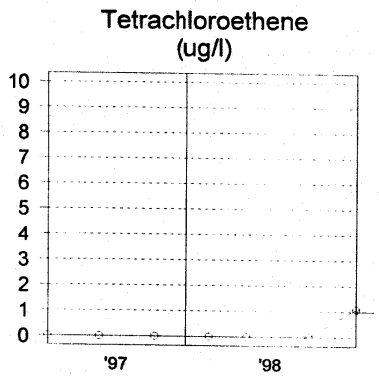
Fort Monmouth

GW Monitoring
Streams

Well 1 of 17

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





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-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

SOURCE: 4

Sampling Dates:
04/08/97 - 11/17/98

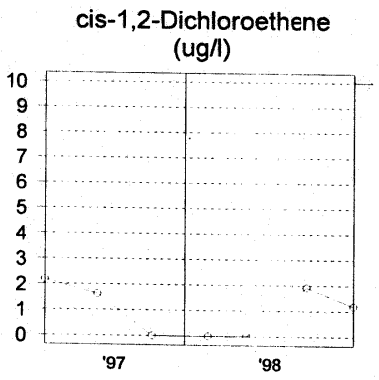
NOTES:

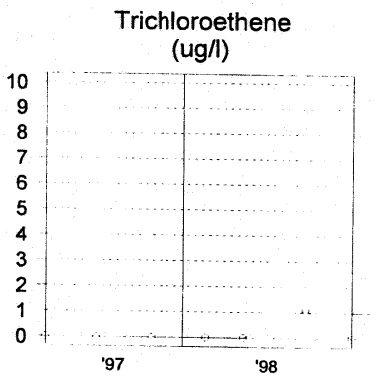
Fort Monmouth

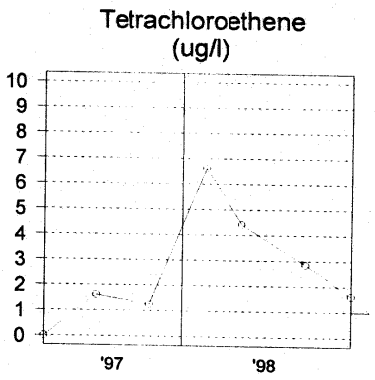
GW Monitoring
Streams

Well 2 of 17

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







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:

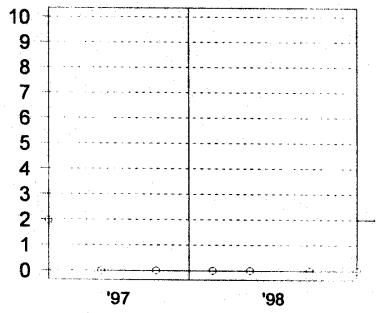
Fort Monmouth

GW Monitoring
Streams

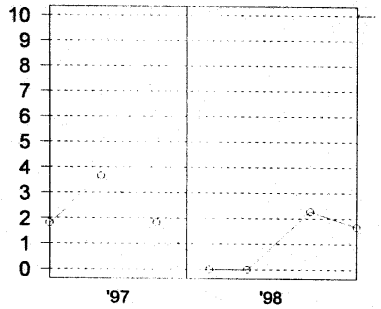
Well 3 of 17

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

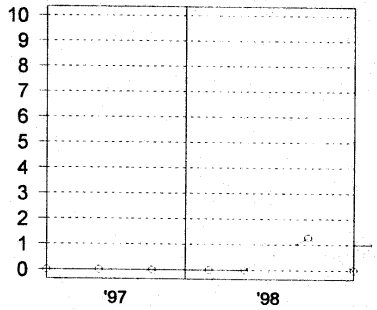
Methylene Chloride
(ug/l)



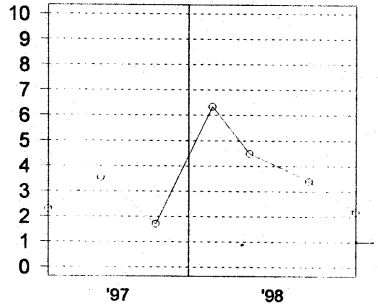
cis-1,2-Dichloroethene
(ug/l)



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

2-16-1998 c:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di 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

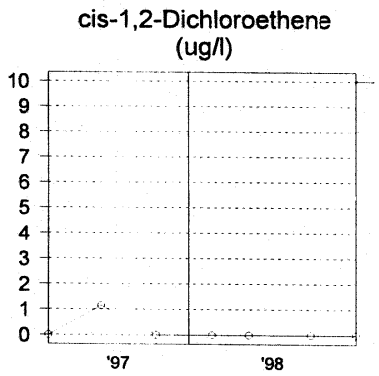
NOTES:

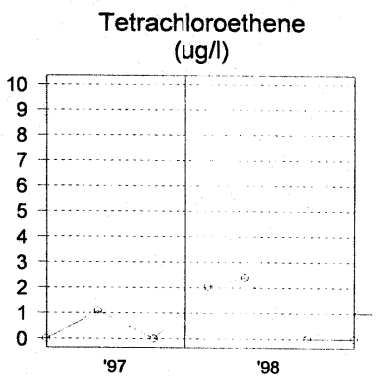
Fort Monmouth

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

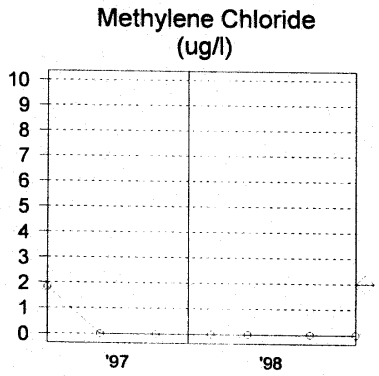
NOTES:

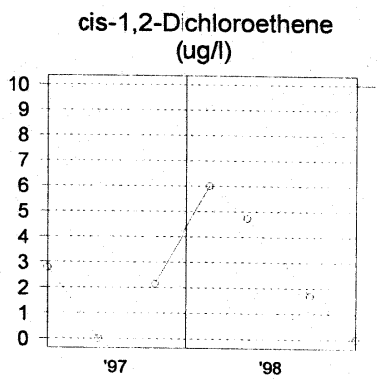
Fort Monmouth

GW Monitoring
Streams

Well 5 of 17

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





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

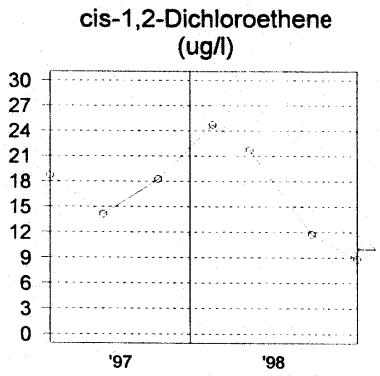
NOTES:

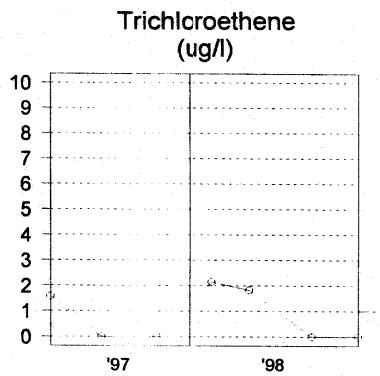
Fort Monmouth

GW Monitoring
Streams

Well 6 of 17

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





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

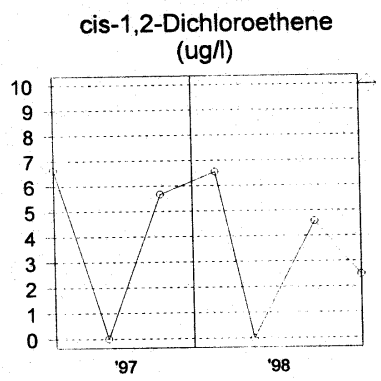
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 7 of 17

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



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

	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

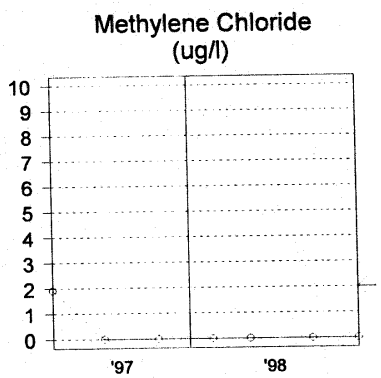
NOTES:

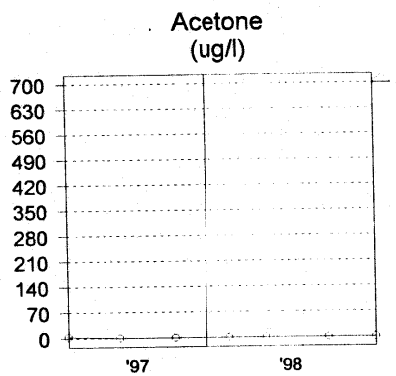
Fort Monmouth

GW Monitoring
Streams

Well 8 of 17

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





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

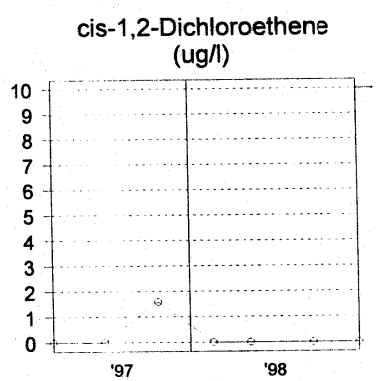
NOTES:

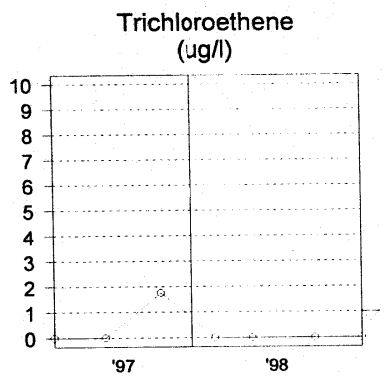
Fort Monmouth

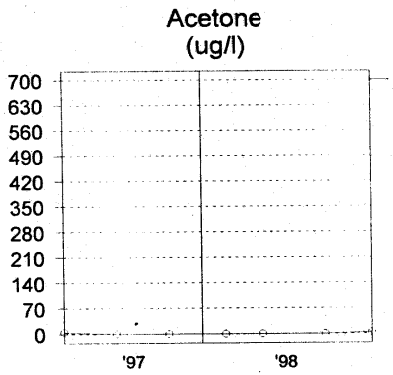
GW Monitoring
Streams

Well 9 of 17

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







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

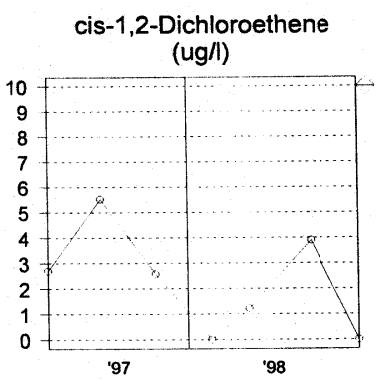
NOTES:

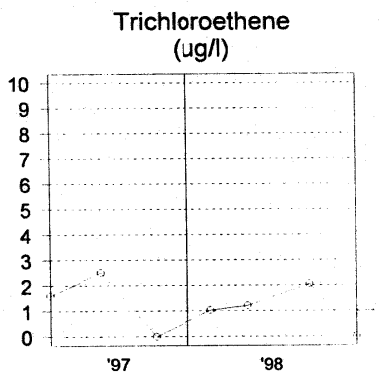
Fort Monmouth

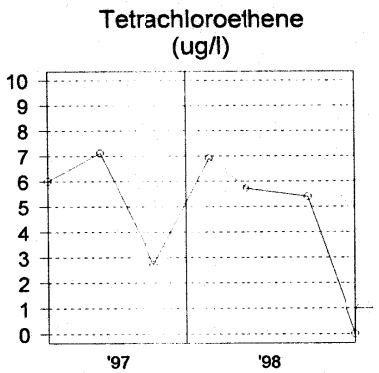
GW Monitoring
Streams

Well 10 of 17

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







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-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

SOURCE: 16

Sampling Dates:
04/08/97 - 11/18/98

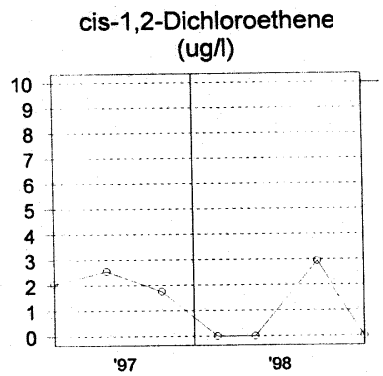
NOTES:

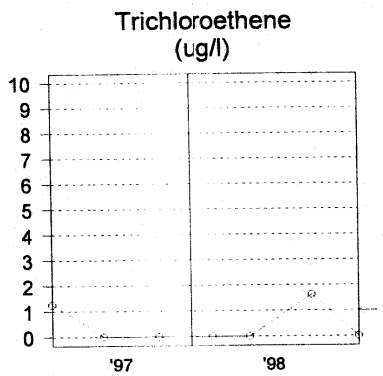
Fort Monmouth

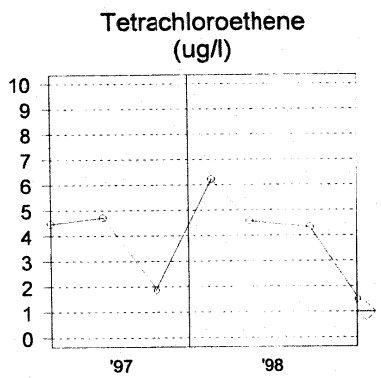
GW Monitoring
Streams

Well 11 of 17

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







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-d 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

SOURCE: 17

Sampling Dates:
04/08/97 - 11/18/98

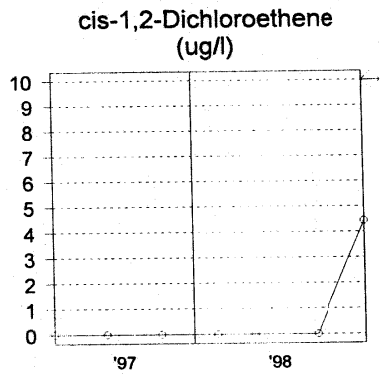
NOTES:

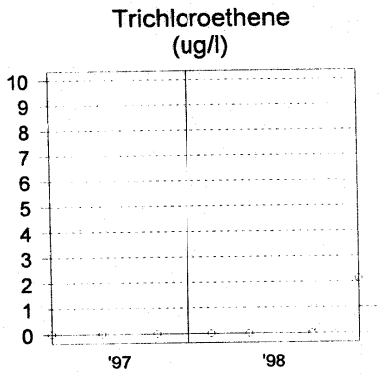
Fort Monmouth

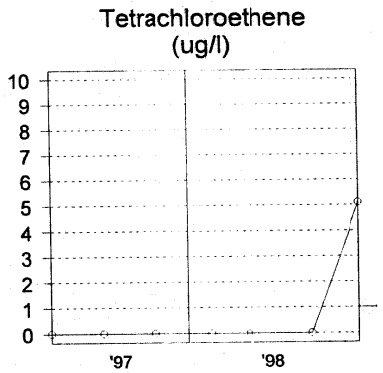
GW Monitoring
Streams

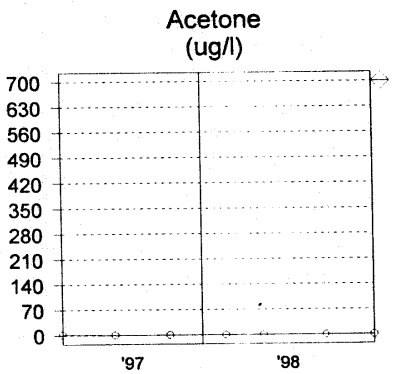
Well 12 of 17

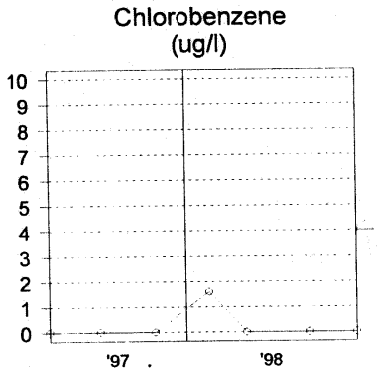
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV











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:

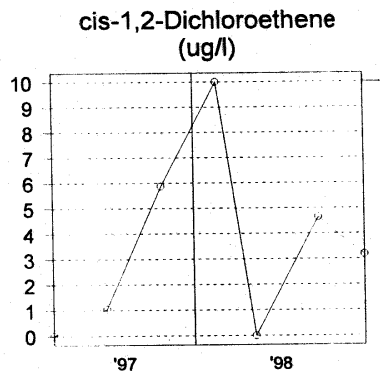
Fort Monmouth

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

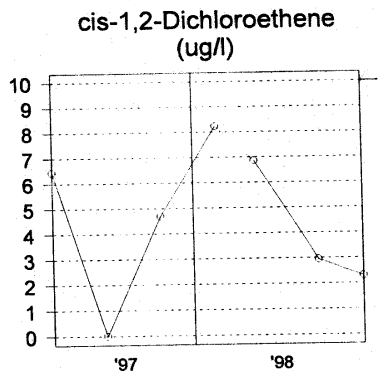
NOTES:

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

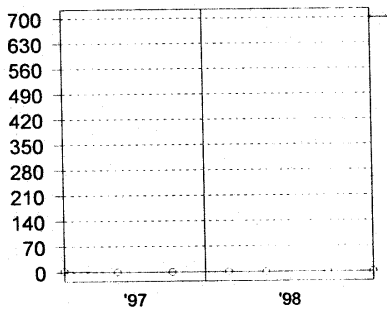
NOTES:

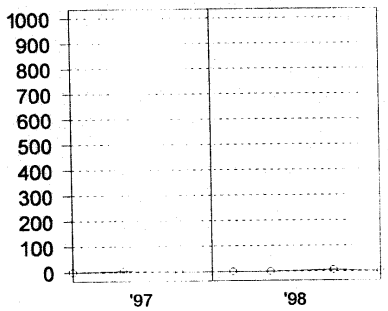
Fort Monmouth

GW Monitoring
Streams

Well 15 of 17

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





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

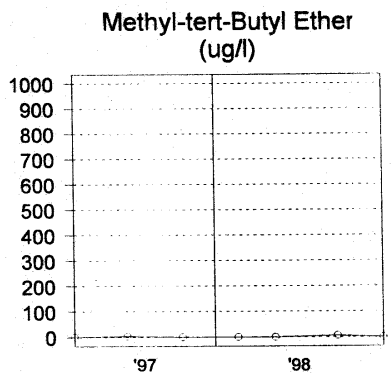
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 16 of 17

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



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

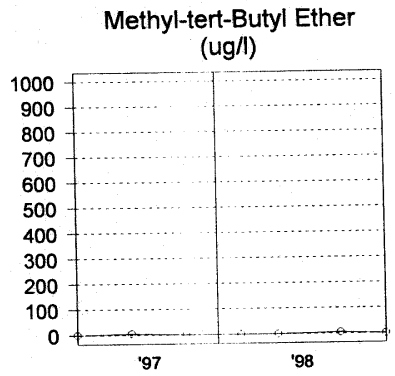
NOTES:

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

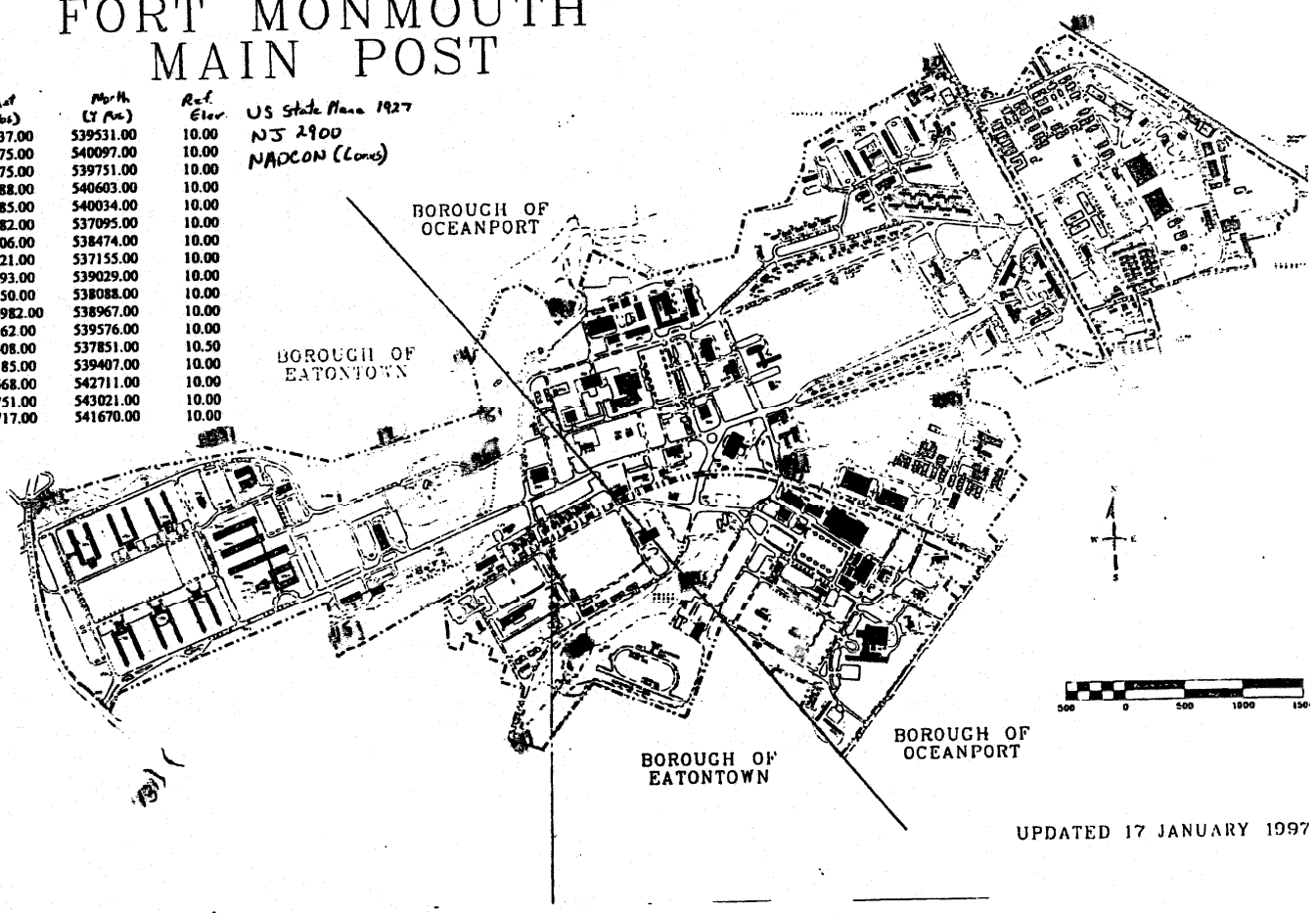
ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Rhonda M. Pfl
For Daniel Wright 03/15/
Daniel Wright/Date
Laboratory Director

FORT MONMOUTH
MAIN POST

Stream #	East (X 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
[illegible]	2172388.00	540603.00	10.00
[illegible]	2175685.00	540034.00	10.00
[illegible]	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 (Lons)



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

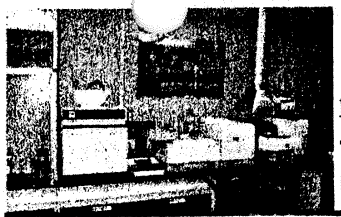
Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Temp. C°	pH	Diss. O_2	Salinity	VOA	NH_3	PO_4, SO_4, NO_3	Total Coliform	Remarks / Preservation Method
4300 . .01	Stream Site #22	2/25/99	0825	Aq	5	2.0	7.88	9.6	16	X	X	X	X	All samples kept <4 C°
.02	#21	2/25/99	0840	Aq	5	0.2	7.75	8.3	16	X	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	2.96	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	1028	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	

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, (X)Standard, (_)Screen / non-certified
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

COC-stream2/24/99



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 #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	4.7	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:

print legibly

COC-stream2/24/99

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:

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**
Operator **Skelton**
Date Acquired **09-Mar-99**

Sample Name **4300.12**
Field ID **StreamSite#04**
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

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

Data File	VB02889.d	Sample Name	4300.13
Operator	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**
Operator **Skelton**
Date Acquired **09-Mar-99**

Sample Name **4300.11**
Field ID **StreamSite#07**
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

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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**
Operator **Skelton**
Date Acquired **09-Mar-99**

Sample Name **4300.04**
Field ID **StreamSite#09**
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	
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

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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**
Operator **Skelton**
Date Acquired **09-Mar-99**

Sample Name **4300.03**
Field ID **StreamSite#20**
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**
Operator **Skelton**
Date Acquired **09-Mar-99**

Sample Name **4300.01**
Field ID **StreamSite#22**
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	Tetrachloro ethene
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

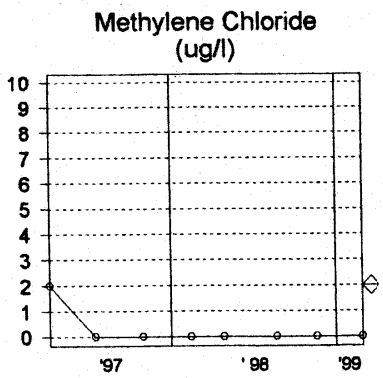
NOTES:

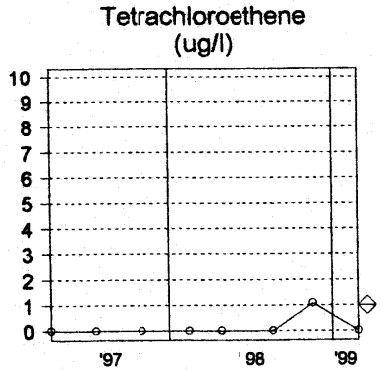
Fort Monmouth

GW Monitoring
Streams

Well 1 of 17

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





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-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

SOURCE: 4

Sampling Dates:
04/08/97 - 02/25/99

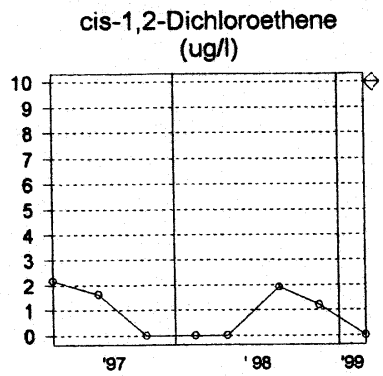
NOTES:

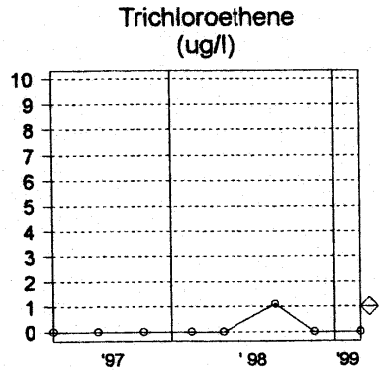
Fort Monmouth

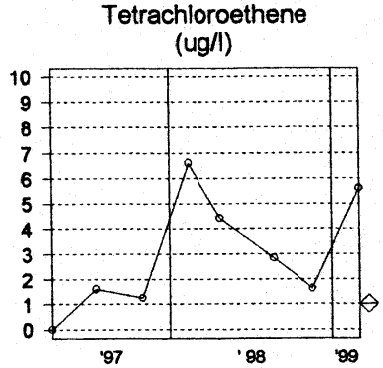
GW Monitoring
Streams

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:\vmtech46\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:

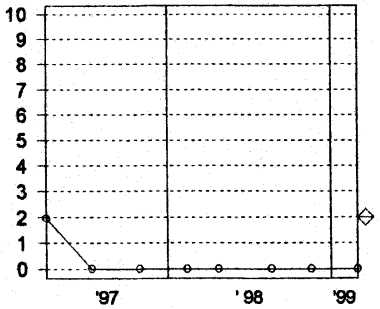
Fort Monmouth

GW Monitoring
Streams

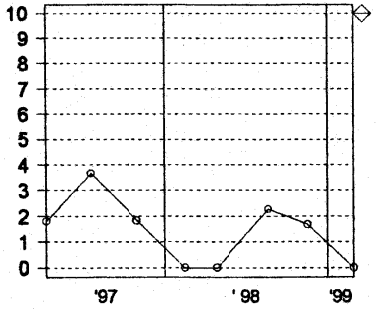
Well 3 of 17

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

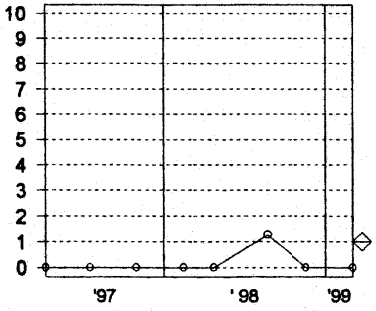
Methylene Chloride
(ug/l)



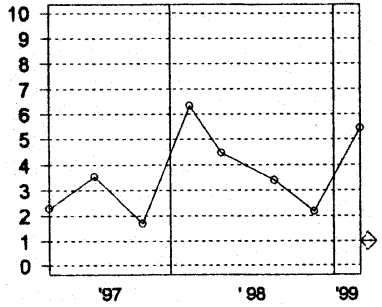
cis-1,2-Dichloroethene
(ug/l)



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:\mtech46\fm\streams\gw\streams.wsf

	Lab	cis-1,2-di 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
02/25/99	FMETL	ND	2.85

SOURCE: 7

Sampling Dates:
04/08/97 - 02/25/99

NOTES:

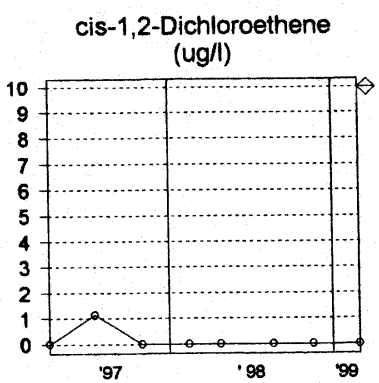
Fort Monmouth

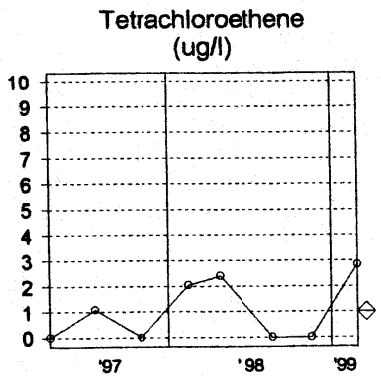
GW Monitoring
Streams

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

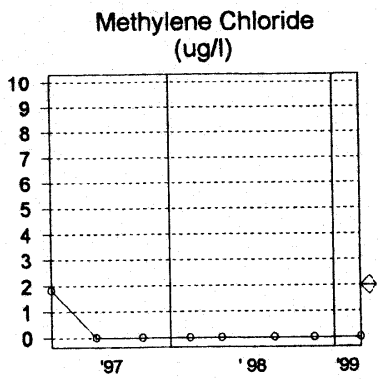
NOTES:

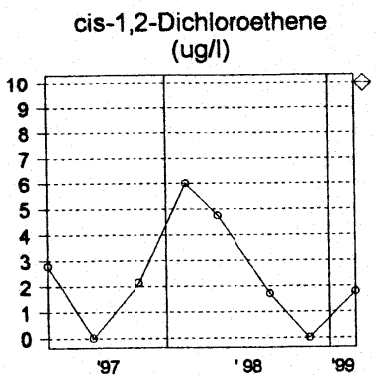
Fort Monmouth

GW Monitoring
Streams

Well 5 of 17

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





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

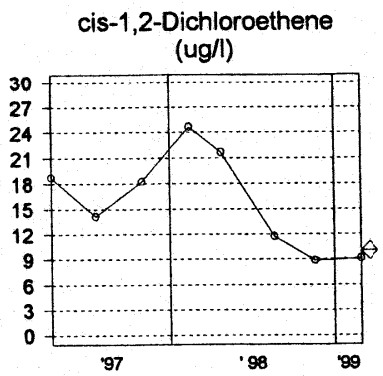
NOTES:

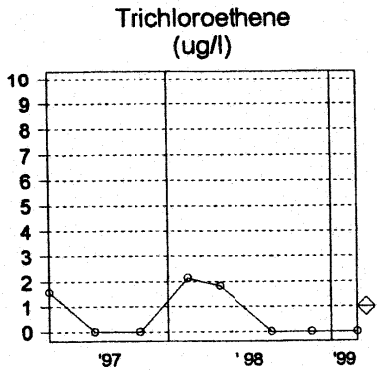
Fort Monmouth

GW Monitoring
Streams

Well 6 of 17

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





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

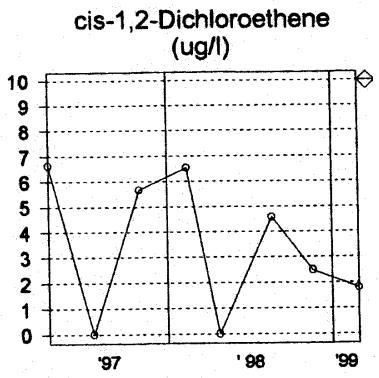
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 7 of 17

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



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:\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
02/25/99	FMETL	ND	ND

SOURCE: 13

Sampling Dates:
04/08/97 - 02/25/99

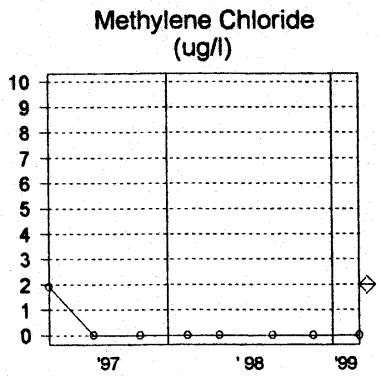
NOTES:

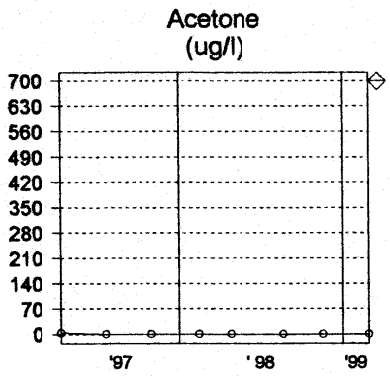
Fort Monmouth

GW Monitoring
Streams

Well 8 of 17

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





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

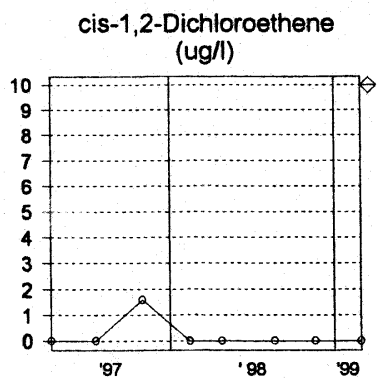
NOTES:

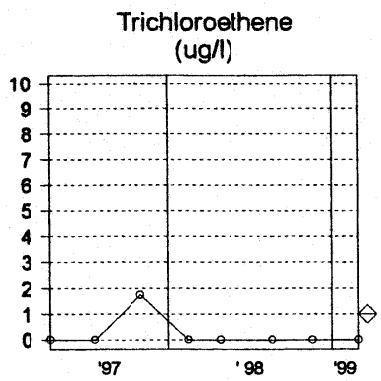
Fort Monmouth

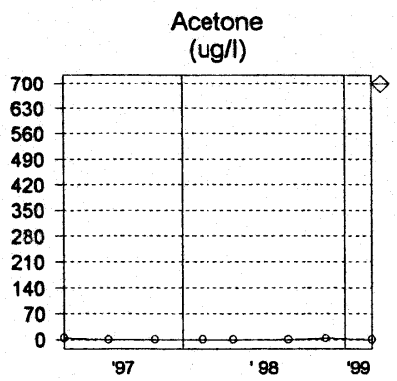
GW Monitoring
Streams

Well 9 of 17

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







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

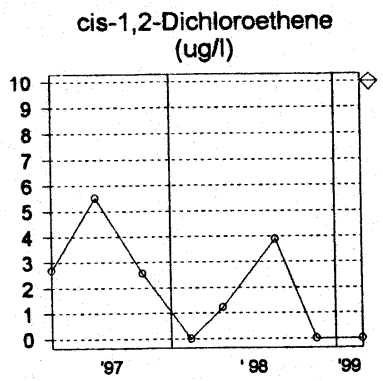
NOTES:

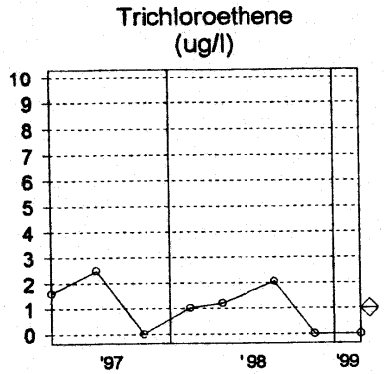
Fort Monmouth

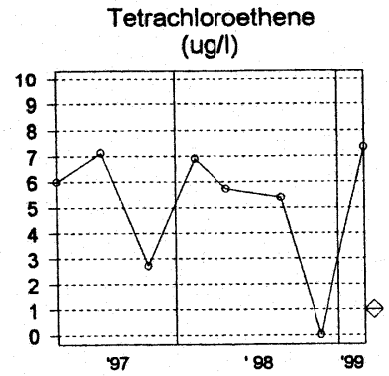
GW Monitoring
Streams

Well 10 of 17

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







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:

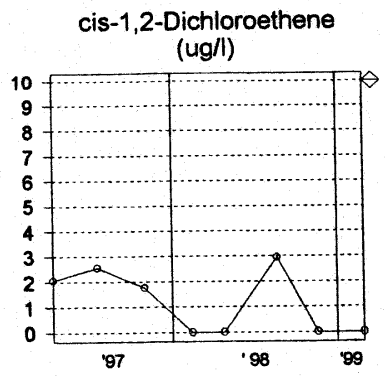
Fort Monmouth

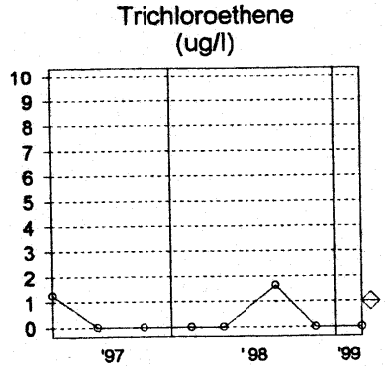
GW Monitoring
Streams

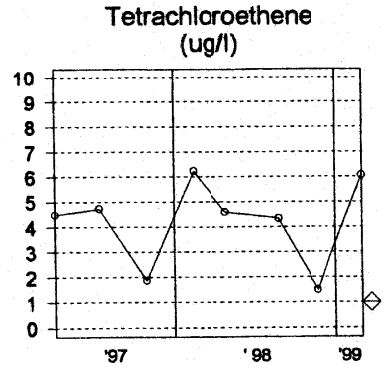
Well 11 of 17

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

04-05-1999 c:\mtech46\fm\streams\gw\streams.wsf







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

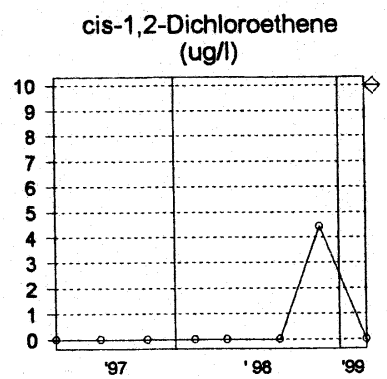
NOTES:

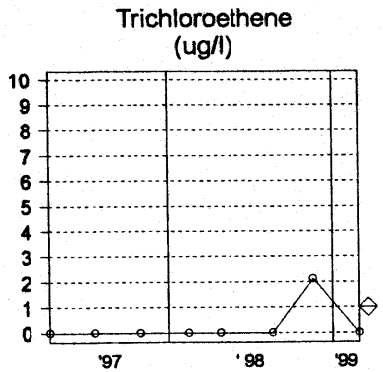
Fort Monmouth

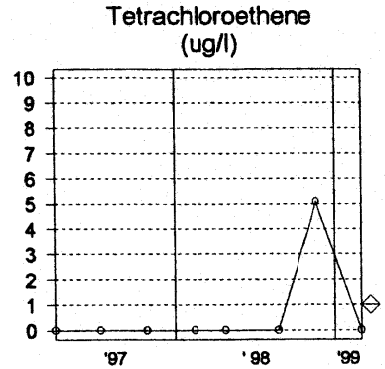
GW Monitoring
Streams

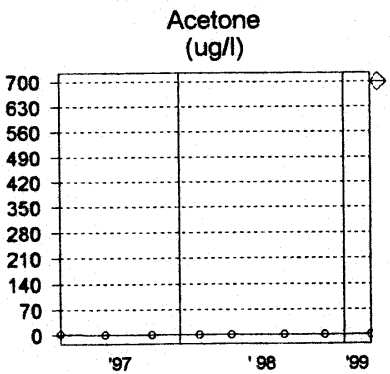
Well 12 of 17

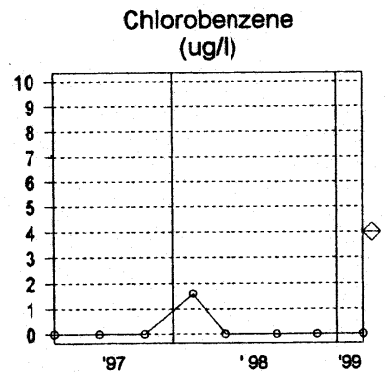
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV











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

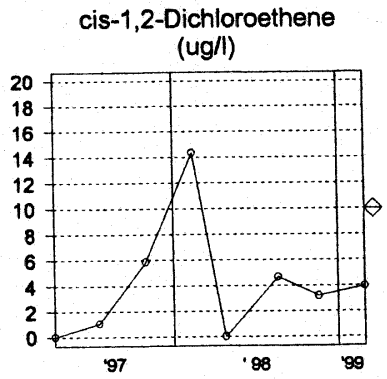
NOTES:

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

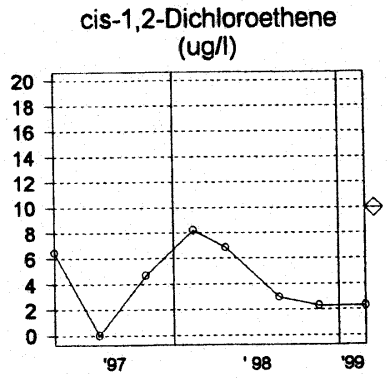
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 14 of 17

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



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

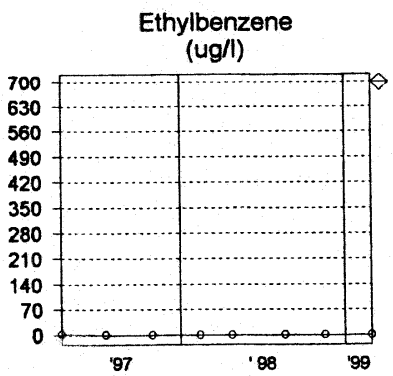
NOTES:

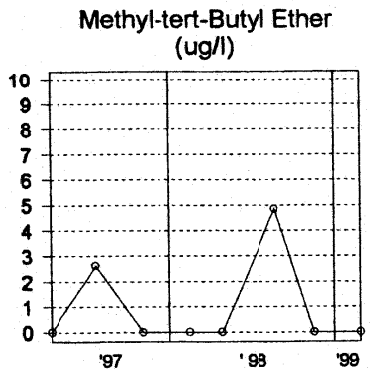
Fort Monmouth

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

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

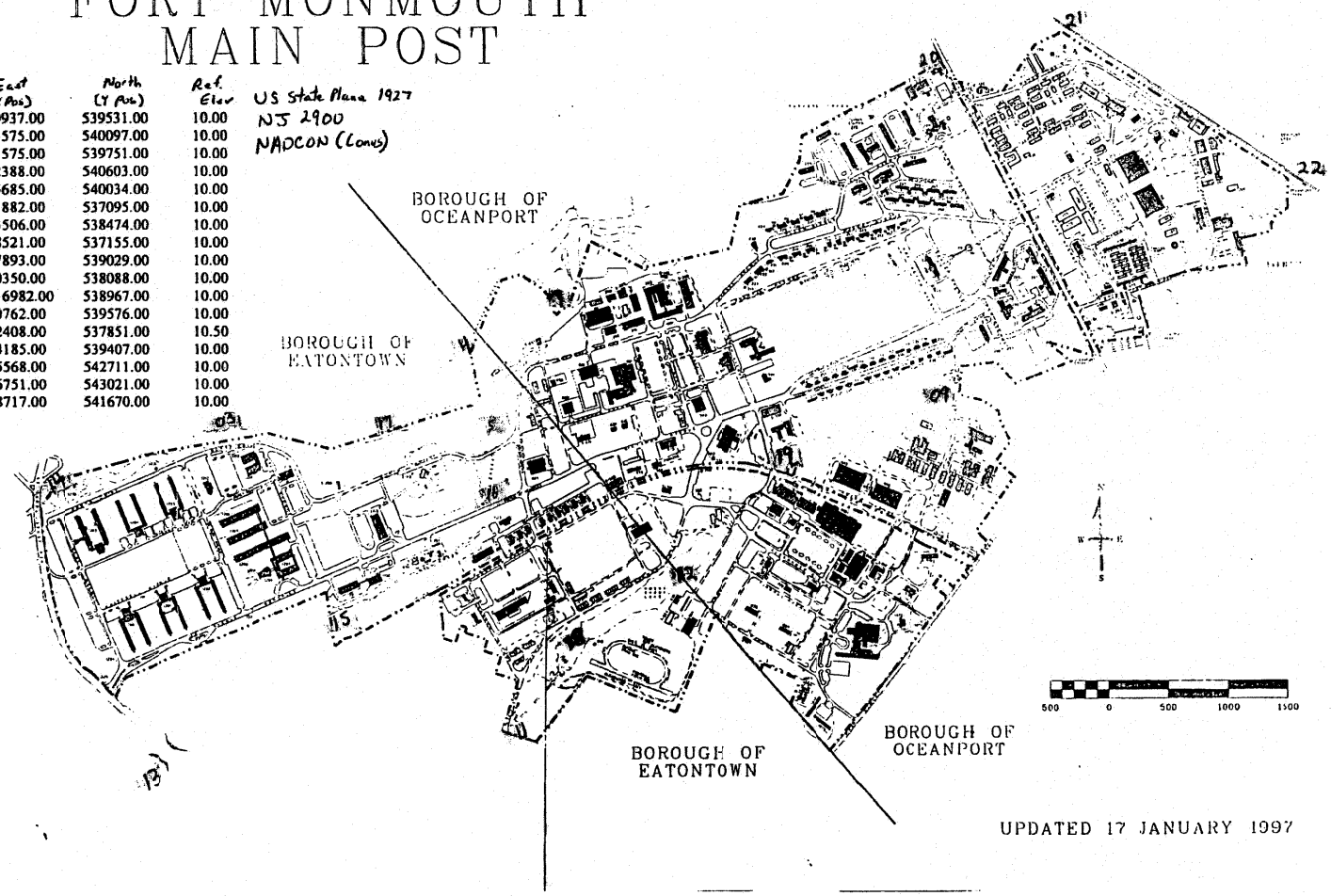
7/30/99

Daniel Wright/Date
Laboratory Director

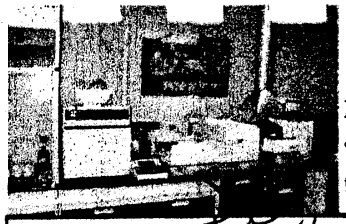
FORT MONMOUTH
MAIN POST

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 #: 826223
(X)DERA ( )OMA ( )Other:

Project No:
Location: Streams 2nd Qtr '99

Samplers Name / Company : Corey McCormack, TUS

Analysis Parameters: VOC's, Total Coli, NH_3/NO_3, PO_4/SO_4, Temp °C, pH, Dissolved O_2, Salinity

Comments: HCL/H_2SO_4/<4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOC's	Total Coli	NH_3/NO_3	PO_4/SO_4	Temp °C	pH	Dissolved O_2	Salinity	Remarks / Preservation Method
4599 .01	Trip	6/29/99	0710	AQ	2	✓				—	—	—	—	
.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, flowing
.11	#15		0850			✓	✓	✓	✓	23.5	7.12	6.72	1.000 0%	clear, good flow
.12	#16		1250			✓	✓	✓	✓	28.5	8.10	3.40	[illegible]	HT: 1.0T Road ABC
.13	#07		1310			✓	✓	✓	✓	30.9	7.05	7.01	[illegible]	1.0T Road ABC
.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	[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: 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 #: 426223
( )DERA ( )OMA ( )Other:

Project No:
Location: Streams 2nd Qtr '99

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: 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

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	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	5.61	0	
.18	★ #14	↓	0809	↓	↓	✓	✓	✓	✓	23.7	7.38	5.85	1.000 / 0.9‰	cloudy, stagnant
.19	#13	↓	0824	↓	↓	✓	✓	✓	✓	25.2	7.37	7.31	1.000 / 0.9‰	cloudy, moderate flow
.20	Dupe	↓	—	↓	↓	✓	✓	✓	✓	–	–	–	–	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	6/29/99 1400	[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: Tide: High

print legibly

Coc.xls6/21/99

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

7/20/99 11:06 AM

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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**
Operator **Skelton**
Date Acquired **12 Jul 1999 11:45 am**

Sample Name **Vblk13**
Field ID **Vblk13**
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 11:08 AM

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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

7/20/99 11:07 AM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 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	Sample Name	4579.02
Operator	Deinhardt	Field ID	Field Blank
Date Acquired	9 Jul 1999 9:01 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	0.0591	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

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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	Sample Name	4579.03
Operator	Deinhardt	Field ID	Site #22
Date Acquired	9 Jul 1999 9:42 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	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

7/20/99 11:11 AM

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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

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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

7/20/99 11:11 AM

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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

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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

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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**	Sample Name	**4579.09**
Operator	**Deinhardt**	Field ID	**Site #18**
Date Acquired	**10 Jul 1999 1:50 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	0.0591	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

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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

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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

7/20/99 11:11 AM

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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

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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

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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

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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**	Sample Name	**4579.17**
Operator	**Deinhardt**	Field ID	**Site #03**
Date Acquired	**10 Jul 1999 7:20 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 #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

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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

7/20/99 11:08 AM

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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	Tetrachloro ethene
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

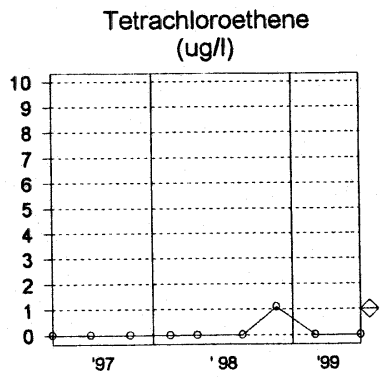
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 1 of 17

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



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-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

SOURCE: 4

Sampling Dates:
04/08/97 - 06/29/99

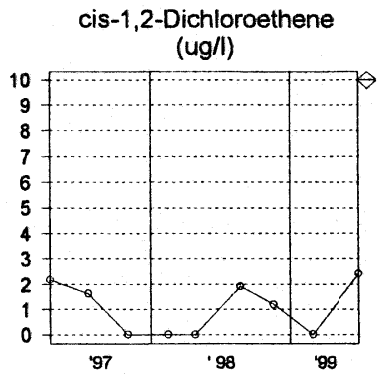
NOTES:

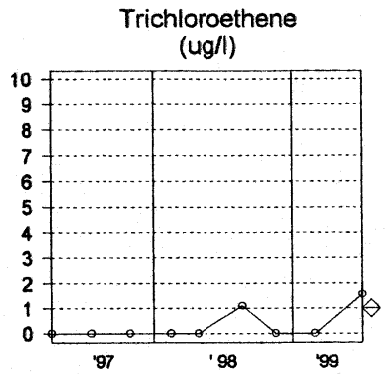
Fort Monmouth

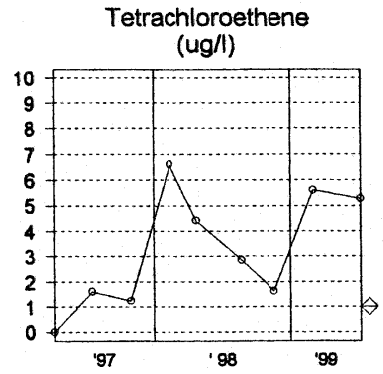
GW Monitoring
Streams

Well 2 of 17

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







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:

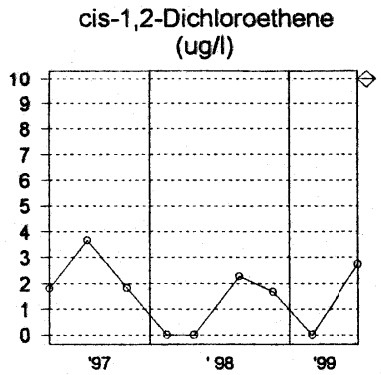
Fort Monmouth

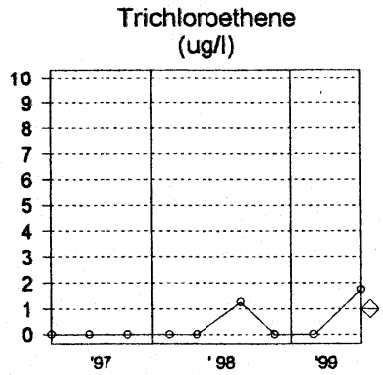
GW Monitoring
Streams

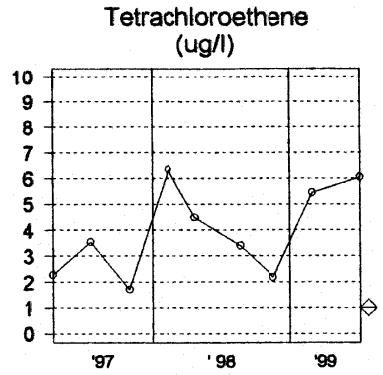
Well 3 of 17

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

07-28-1999 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	Tetrachloro ethene	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

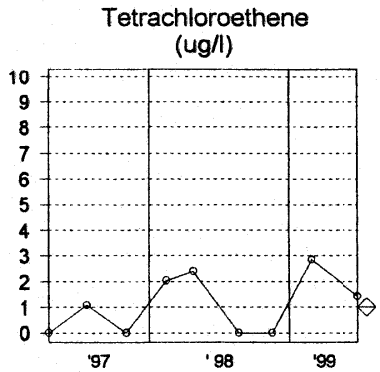
NOTES:

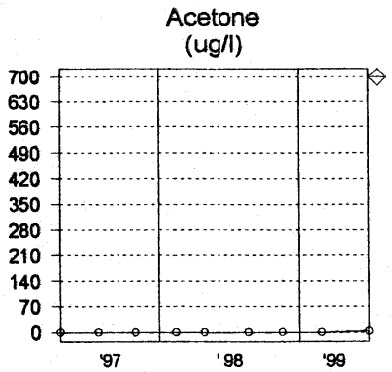
Fort Monmouth

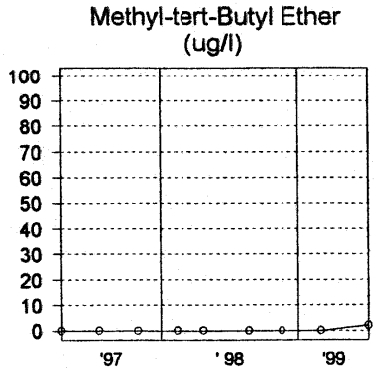
GW Monitoring
Streams

Well 4 of 17

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







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-di chloro ethene	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

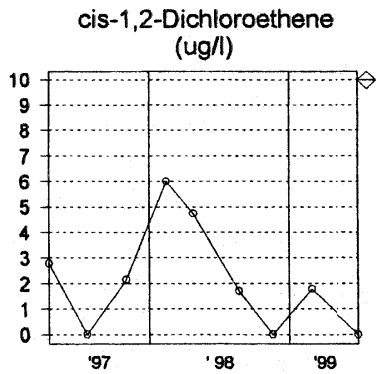
NOTES:

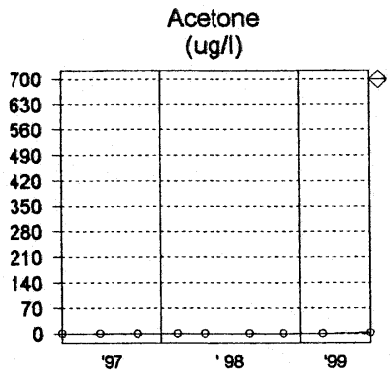
Fort Monmouth

GW Monitoring
Streams

Well 5 of 17

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





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-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
06/29/99	FMETL	5.77	ND

SOURCE: 11

Sampling Dates:
04/08/97 - 06/29/99

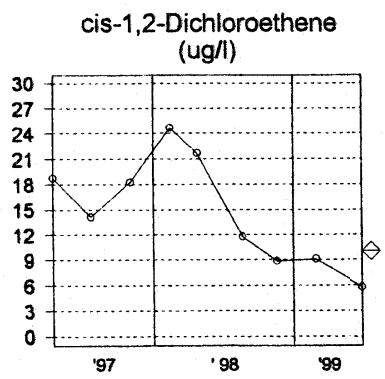
NOTES:

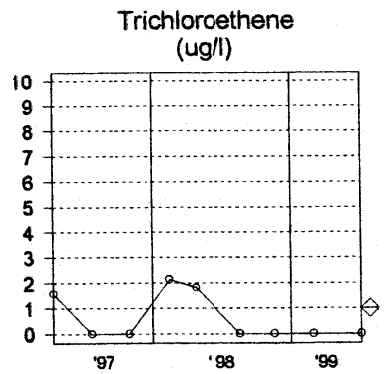
Fort Monmouth

GW Monitoring
Streams

Well 6 of 17

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





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-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
06/29/99	FMETL	1.39

SOURCE: 12

Sampling Dates:
04/08/97 - 06/29/99

NOTES:

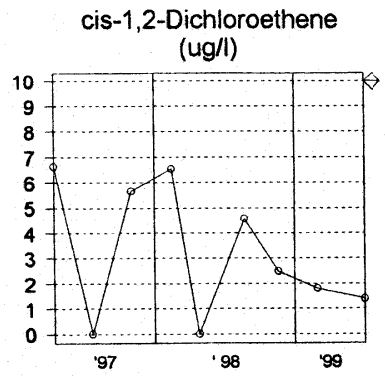
Fort Monmouth

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

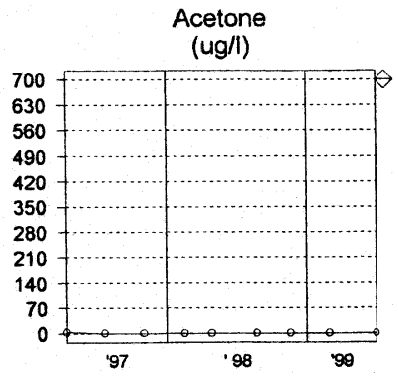
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 8 of 17

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



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

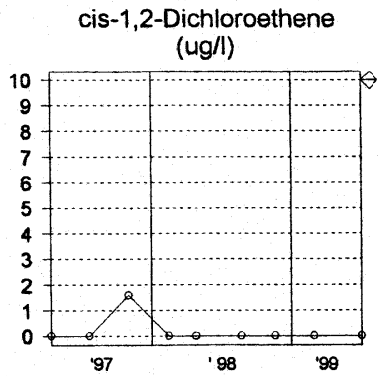
NOTES:

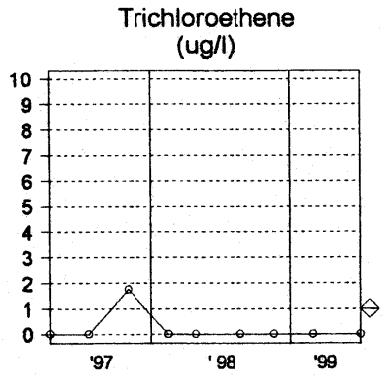
Fort Monmouth

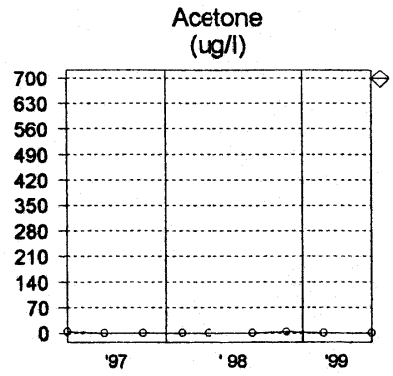
GW Monitoring
Streams

Well 9 of 17

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







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:

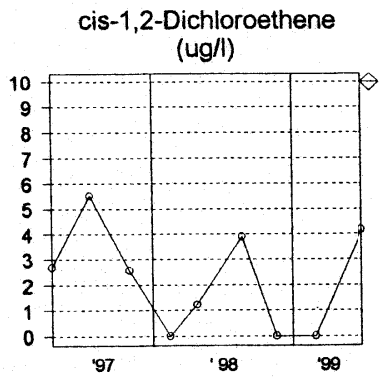
Fort Monmouth

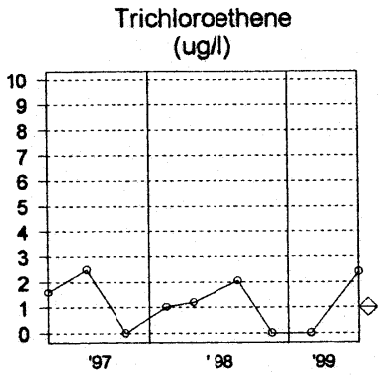
GW Monitoring
Streams

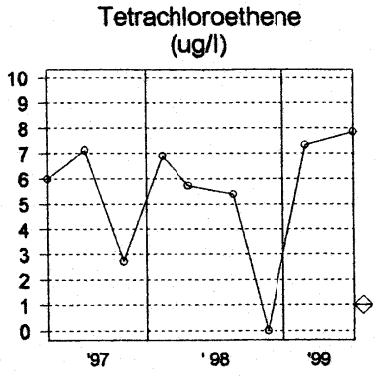
Well 10 of 17

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

07-26-1999 c:\mtech46\fm\streams\gw\st wsf







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:\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
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

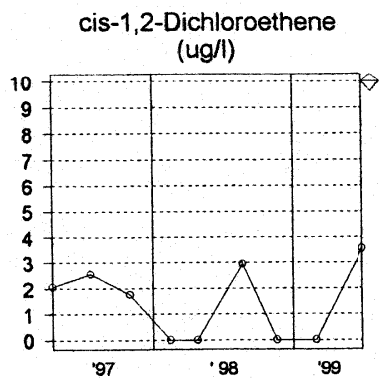
NOTES:

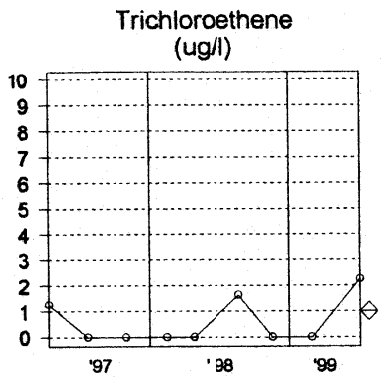
Fort Monmouth

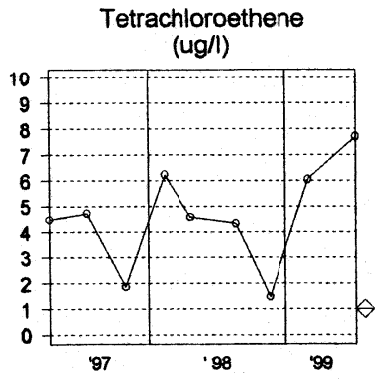
GW Monitoring
Streams

Well 11 of 17

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







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:

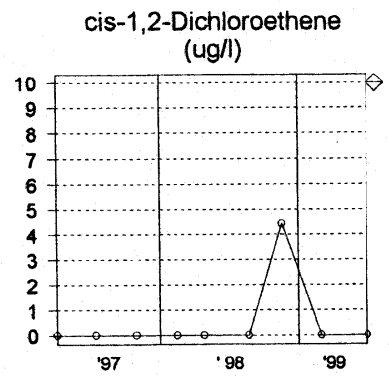
Fort Monmouth

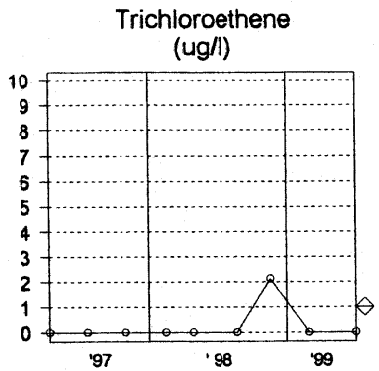
GW Monitoring
Streams

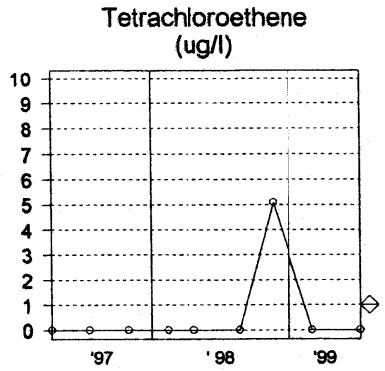
Well 12 of 17

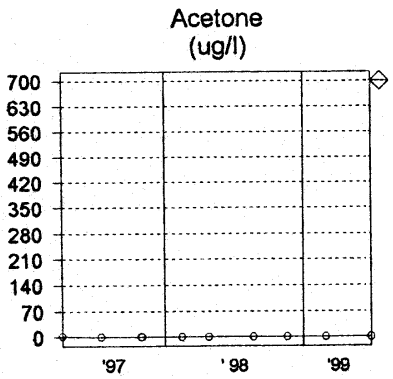
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

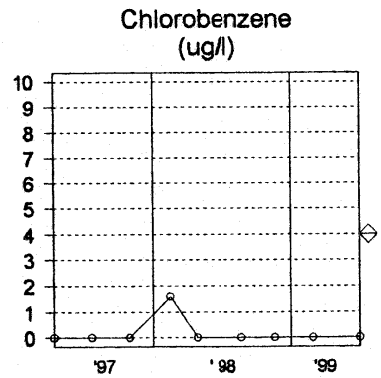
07-26-1999 c:\mtech46\fm\streams\gw\r wsf











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

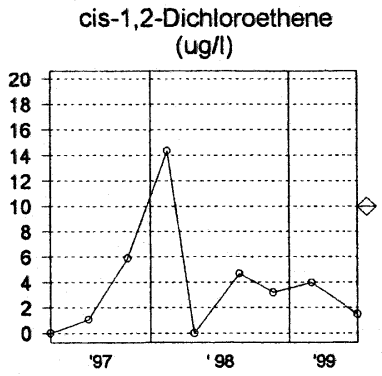
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 13 of 17

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



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

07-26-1999 c:\mtach46\fm\streams\gr s.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

SOURCE: 19

Sampling Dates:
04/08/97 - 06/29/99

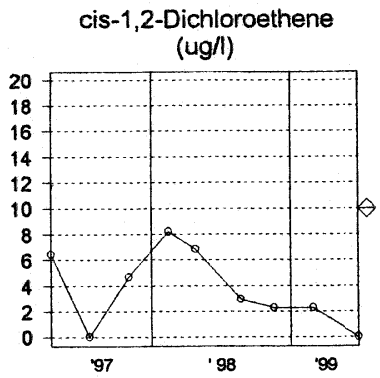
NOTES:

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

○ = 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 ns.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

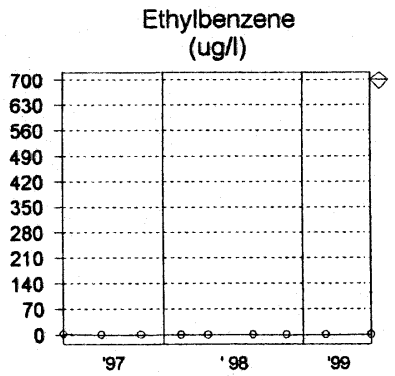
NOTES:

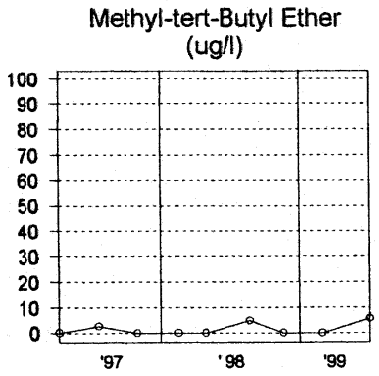
Fort Monmouth

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

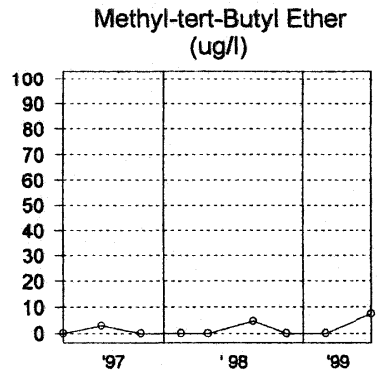
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 16 of 17

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



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

07-26-1999 c:\mtech46\fm\streams\gw s.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
02/25/99	FMETL	ND
06/29/99	FMETL	8.30

SOURCE: 22

Sampling Dates:
04/08/97 - 06/29/99

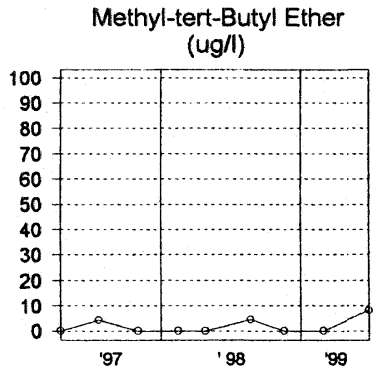
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 17 of 17

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



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 ms.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

Comments: HCL / H_2SO_4 / 4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA	NH_3	PO_4 SO_4	NO_3	Total Coli	Temp (°C)	pH (su)	Dissolved O_2 (ppm)	Remarks / Preservation Method
4802 .01	Trip Blank	9/21/99	0740	AQ	2	✓					–	–	–	Salinity
.02	Field ~~Dupe~~ 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	7.04	1.000 d^{20}_{20} / 0 %
— .12	Dupe	↓	—	↓	↓	✓	–	✓	✓	✓	—	—	—	—

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

~~Rubbered meter used~~ Readings at #19 + #12 + #18. #11 Meter ok High pH's real reads cpm

print legibly

Page ___ of 1

Co...s8/13/99

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. Hallon
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)	Dsolvd O_2 (mg/L)	Remarks / Preservation Method
4586 .01	Trip	9/22/99	0740	AQ	2	✓					–	–	–	Salinity
.02	Field Blue		—		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 McConnell	9/22/99 1030	[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: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: Tide: H → outgoing

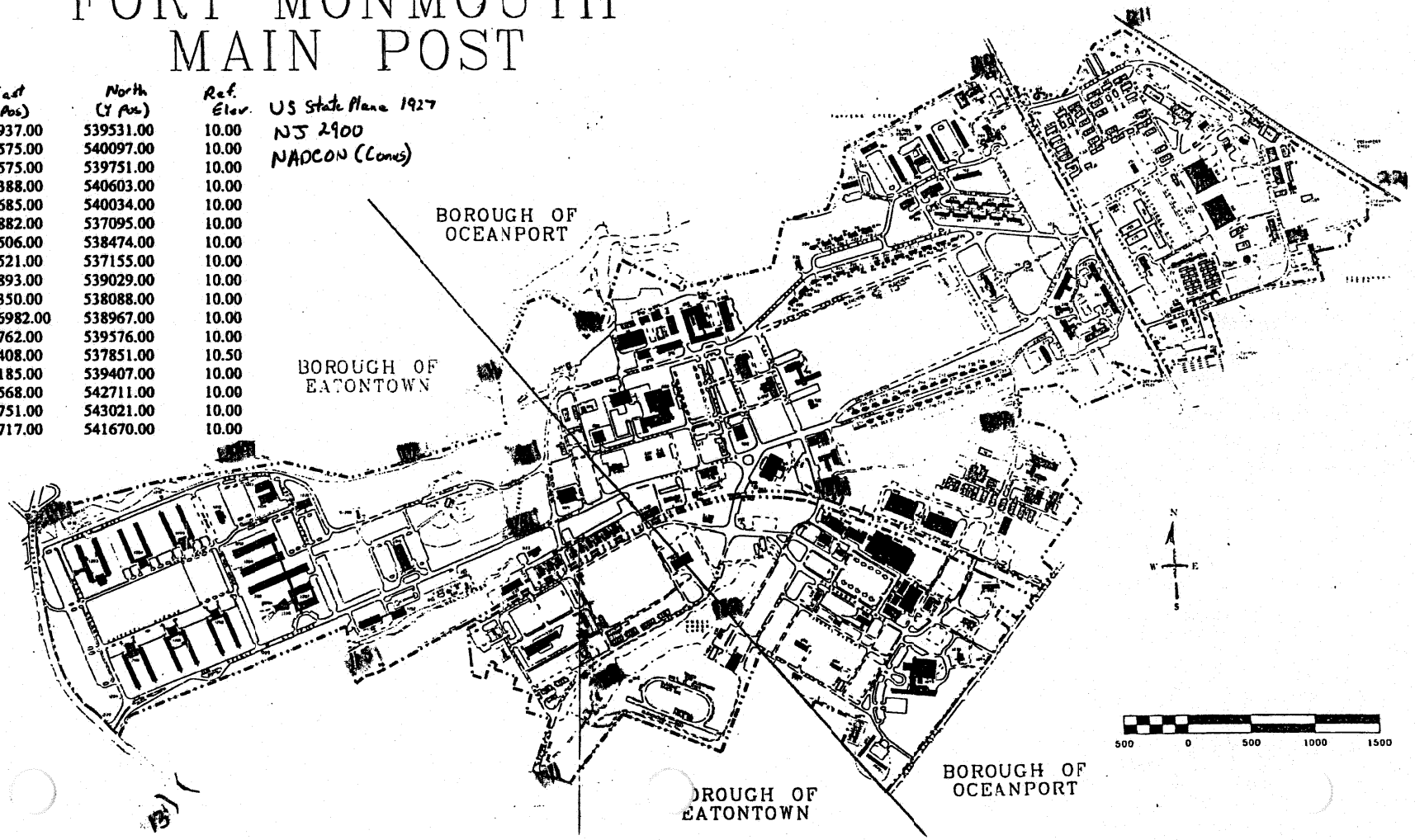
print legibly

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

10/1/99 10:26 AM

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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**
Operator **Skelton**
Date Acquired **24 Sep 1999 3:23 pm**

Sample Name **4802.01**
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			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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 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**
Operator **Skelton**
Date Acquired **24 Sep 1999 4:04 pm**

Sample Name **4802.02**
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

10/1/99 10:25 AM

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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

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**
Operator **Skelton**
Date Acquired **25 Sep 1999 2:50 am**

Sample Name **4806.06**
Field ID **SS#05**
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

10/1/99 10:26 AM

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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

10/1/99 10:26 AM

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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

10/1/99 10:25 AM

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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

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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

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

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

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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

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

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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

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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

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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

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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

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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	Tetrachloro ethene
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

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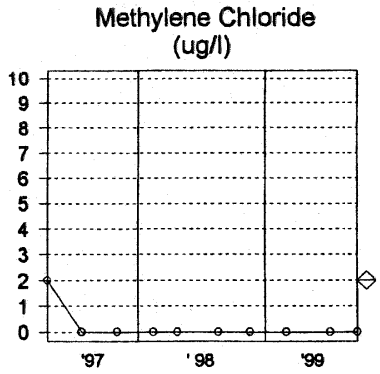
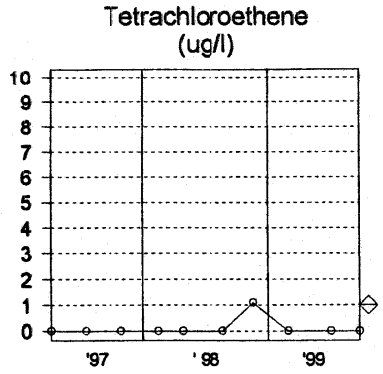
SELFM-PW-EV





SOURCE: 3

Sampling Dates:
04/08/97 - 09/22/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

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Streams

Well 1 of 17, Graph

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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	2.18	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

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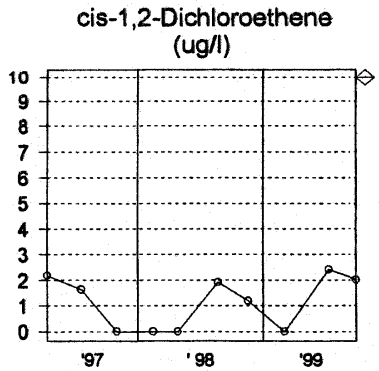

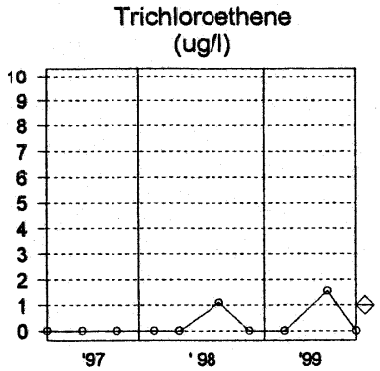

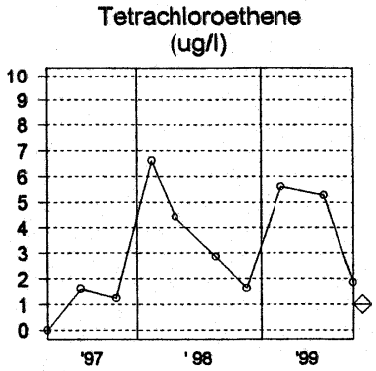

SOURCE: 4

Sampling Dates:
04/08/97 - 09/22/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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Streams

Well 2 of 17, Graph

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10-06-1999 x:\mtech46\fm\streams\gw\s 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:

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Streams

Well 3 of 17

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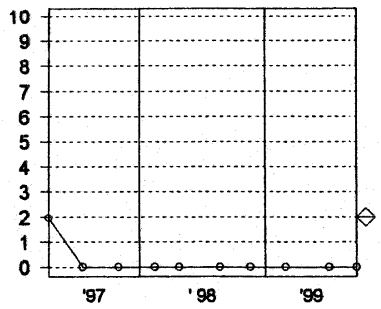
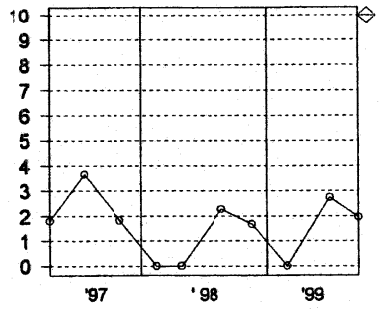
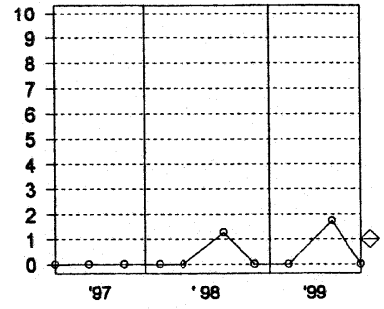
Methylene Chloride
(ug/l)



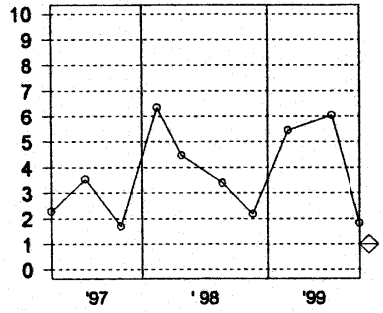
cis-1,2-Dichloroethene
(ug/l)



Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



SOURCE: 5

Sampling Dates:
04/08/97 - 09/22/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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Streams

Well 3 of 17, Graph

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10-08-1999 x:\mtech46\fm\streams\gw\ .wsf

	Lab	cis-1,2-di chloro ethene	Tetrachloro ethene	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:

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GW Monitoring
Streams

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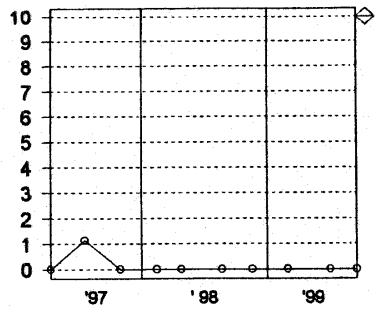
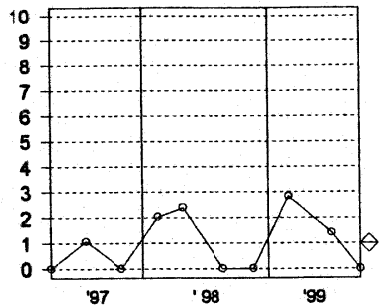
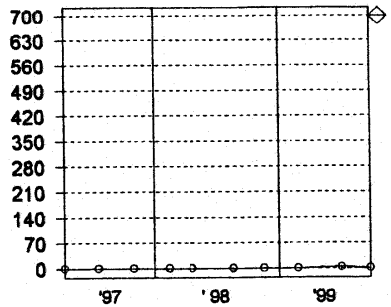
cis-1,2-Dichloroethene
(ug/l)



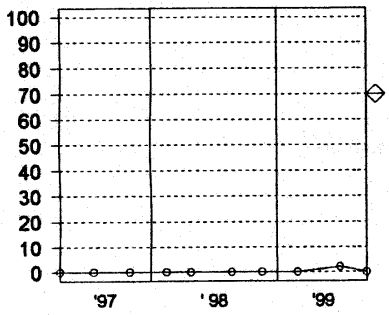
Tetrachloroethene
(ug/l)



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

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Streams

Well 4 of 17, Graph

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10-08-1999 x:\mtech46\fm\streams\gw\ s.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:

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Streams

Well 5 of 17

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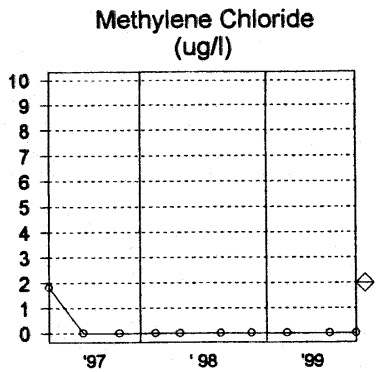

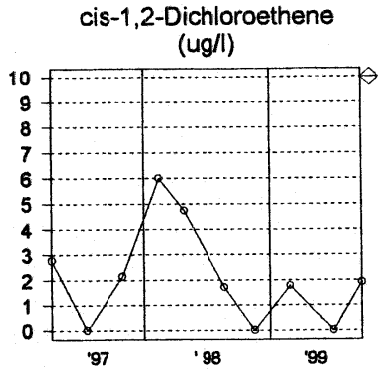

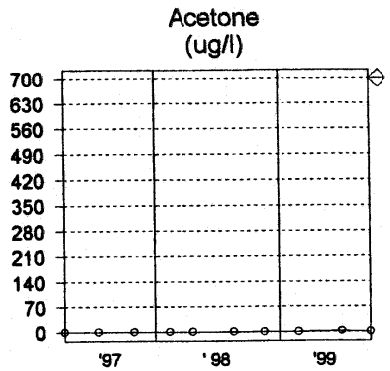

SOURCE: 9

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

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FORT MONMOUTH
SELFM-PW-EV

10-06-1999 x:\mtech46\fm\streams\gw' ms.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
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:

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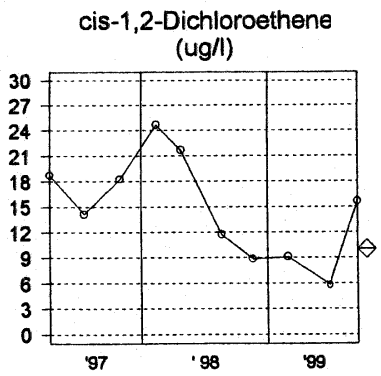
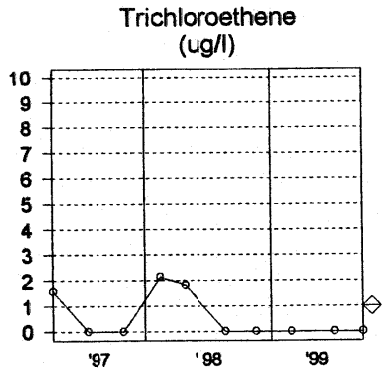
SELFM-PW-EV





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 ems.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

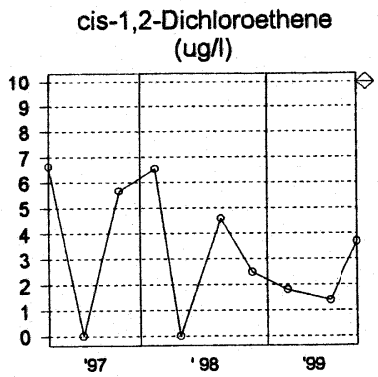
NOTES:

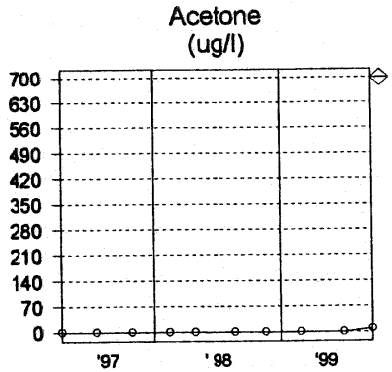
Fort Monmouth

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\ 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

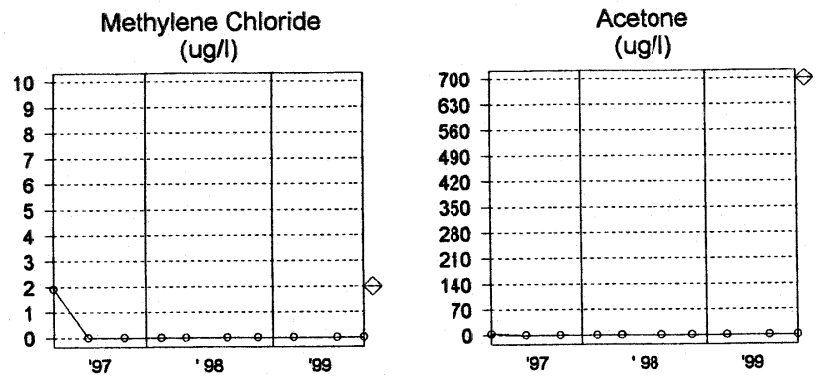
NOTES:

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

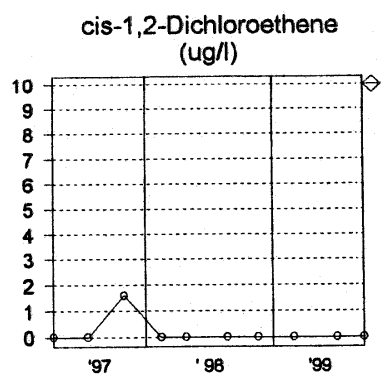
NOTES:

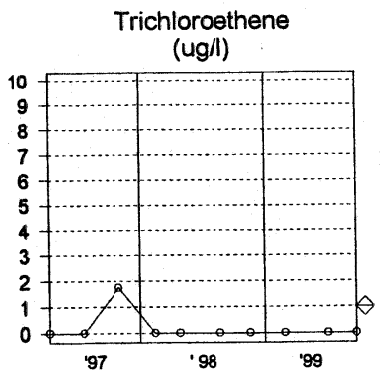
Fort Monmouth

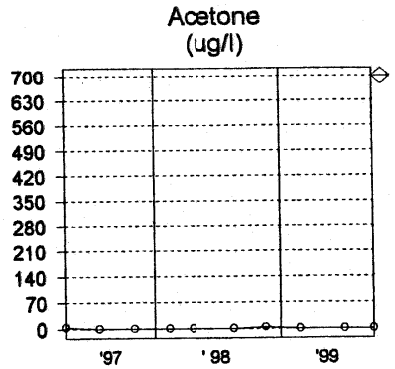
GW Monitoring
Streams

Well 9 of 17

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







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

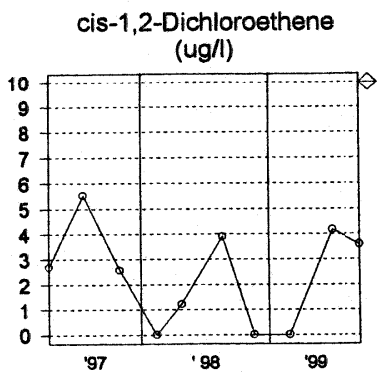
NOTES:

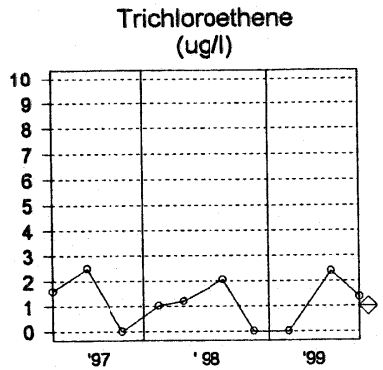
Fort Monmouth

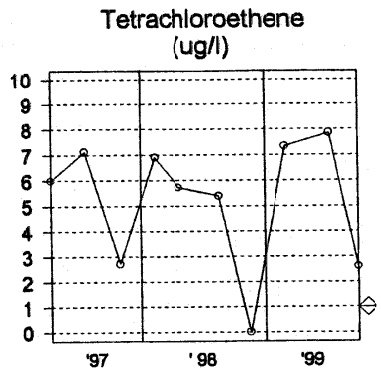
GW Monitoring
Streams

Well 10 of 17

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







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' ms.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
09/22/99	FMETL	2.74	ND	2.63

SOURCE: 16

Sampling Dates:
04/08/97 - 09/22/99

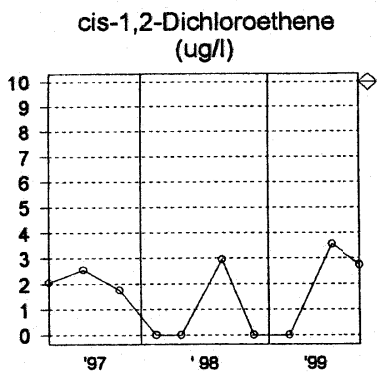
NOTES:

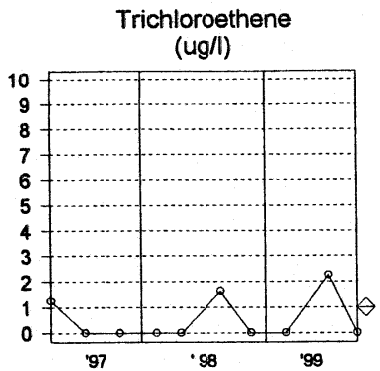
Fort Monmouth

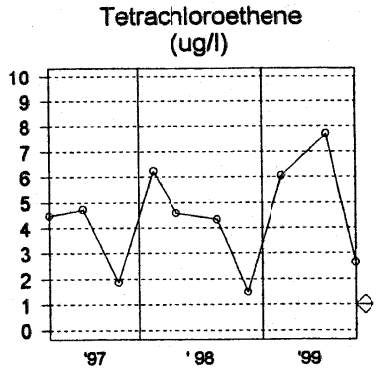
GW Monitoring
Streams

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

	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

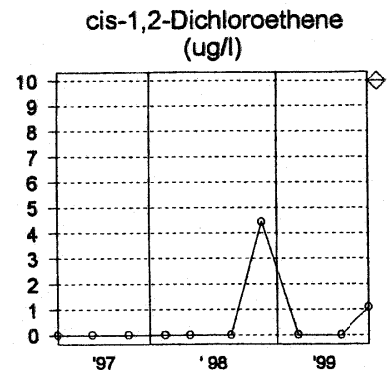
NOTES:

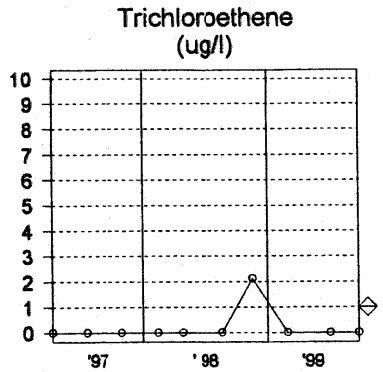
Fort Monmouth

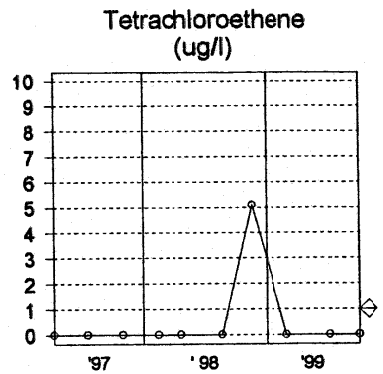
GW Monitoring
Streams

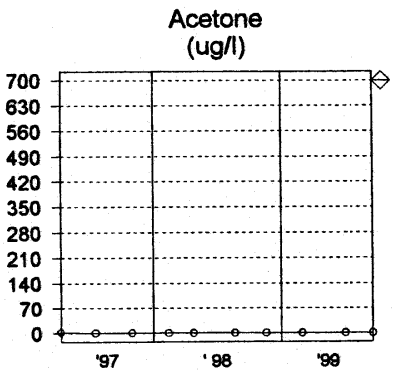
Well 12 of 17

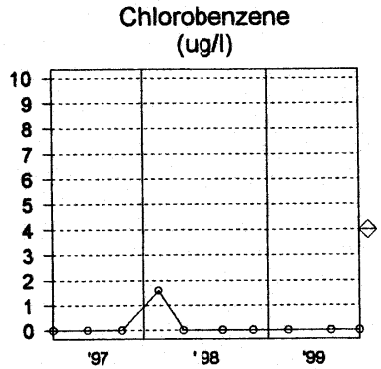
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











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-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
09/21/99	FMETL	4.67

SOURCE: 18

Sampling Dates:
04/08/97 - 09/21/99

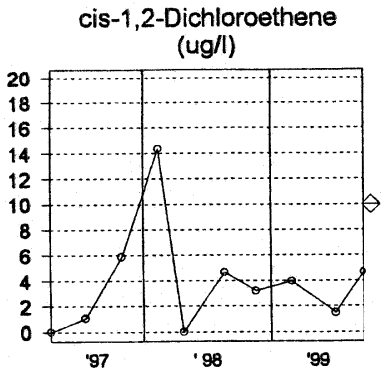
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 13 of 17

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



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

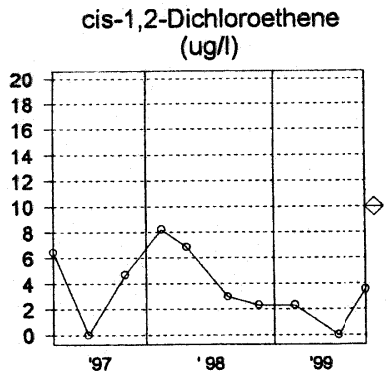
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 14 of 17

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



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\ 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

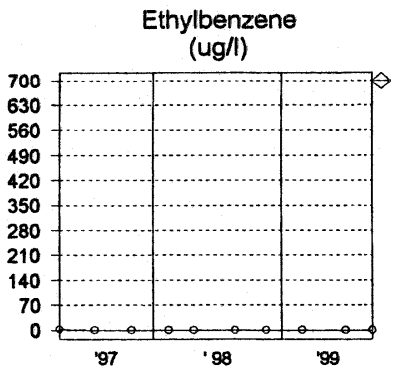
NOTES:

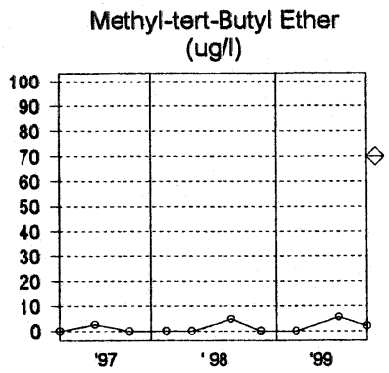
Fort Monmouth

GW Monitoring
Streams

Well 15 of 17

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





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

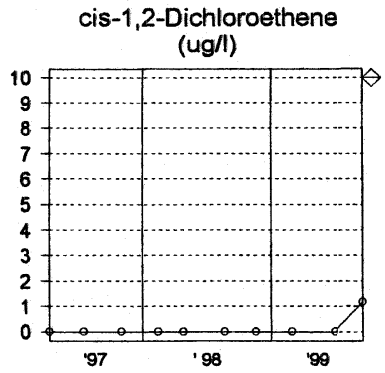
NOTES:

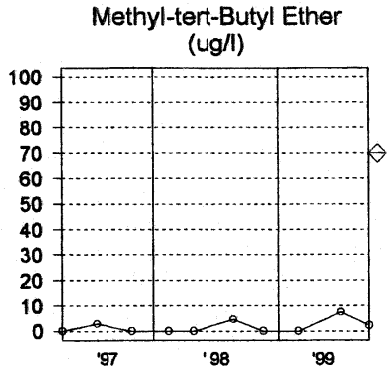
Fort Monmouth

GW Monitoring
Streams

Well 16 of 17

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





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

	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

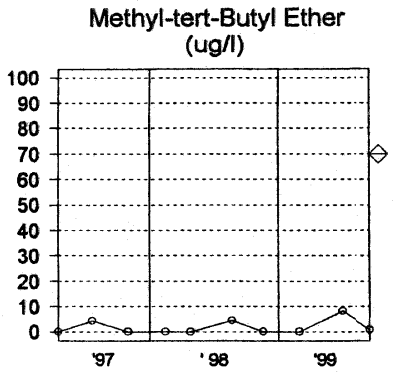
NOTES:

Fort Monmouth

GW Monitoring
Streams

Well 17 of 17

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



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 #: 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 Cd; pH; Temp; Salinity; % d.o.

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 Cd	pH	Temp	Salinity	% d.o.	Remarks / Preservation Method
4997.01	Trip	12/8/99	0738	AQ	2	✓						—	—	
.02	Field Blank		0821		~~5~~ 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	[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
Turnaround time: (X)Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: Tide: H → outgoing
Site #09 where stream work occuring. 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

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	% / $d^{20}/_{20}$	Remarks / Preservation Method
4097 .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

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	12/8/99 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
Turnaround time: (X)Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: Tide: H->O

print legibly

Co... 11/1/99

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

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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

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

Data File **VB005103.D**
Operator **Skelton**
Date Acquired **11 Dec 1999 9:47 am**

Sample Name **Vblk155**
Field ID **Vblk155**
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

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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-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

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

Data File **VB005120.D**
Operator **Skelton**
Date Acquired **11 Dec 1999 9:26 pm**

Sample Name **4997.01**
Field ID **Trip Blank**
Sample Multiplie **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	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	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-9

Qualifiers

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

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

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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-9

Qualifiers

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

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

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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

Qualifiers

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

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

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

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

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

Data File **VB005123.D**
Operator **Skelton**
Date Acquired **11 Dec 1999 11:25 pm**

Sample Name **4997.04**
Field ID **StreamSite #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	0.67	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-9.

Qualifiers

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

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

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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-9'.

Qualifiers

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

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

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

Data File **VC001541.D**
Operator **Skelton**
Date Acquired **13 Dec 1999 6:22 pm**

Sample Name **4997.06**
Field ID **StreamSite#20**
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 **VC001542.D**
Operator **Skelton**
Date Acquired **13 Dec 1999 7:01 pm**

Sample Name **4997.07**
Field ID **StreamSite#09**
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

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

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

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

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

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

Data File **VC001547.D**
Operator **Skelton**
Date Acquired **13 Dec 1999 10:20 pm**

Sample Name **4997.12**
Field ID **StreamSite#16**
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

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

Data File **VC001548.D**
Operator **Skelton**
Date Acquired **13 Dec 1999 11:00 pm**

Sample Name **4997.13**
Field ID **StreamSite#17**
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	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

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

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

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

Data File **VC001552.D**
Operator **Skelton**
Date Acquired **14 Dec 1999 1:39 am**

Sample Name **4997.17**
Field ID **StreamSite#15**
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

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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

1/3/00 3:04 PM

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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

1/3/00 3:04 PM

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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	Tetrachloro ethene
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.

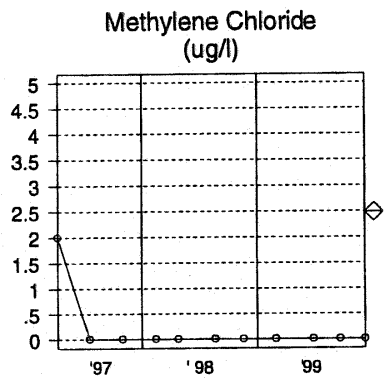
PAGE 1 OF 1

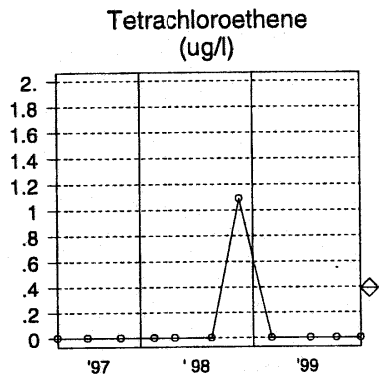
Fort Monmouth

GW Monitoring
Streams

Well 1 of 17

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





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-di chloro ethene	Trichloro ethene
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:

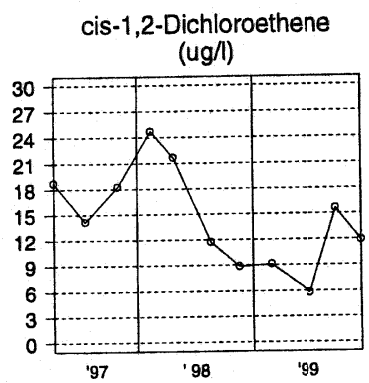
PAGE 1 OF1

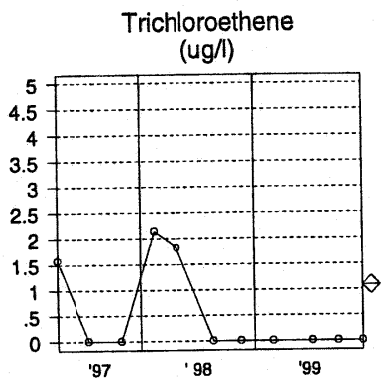
Fort Monmouth

GW Monitoring
Streams

Well 6 of 17

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





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 streams.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:

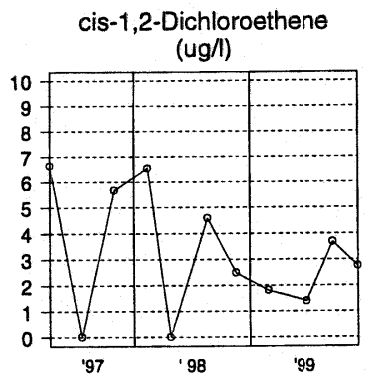
PAGE 1 OF 1

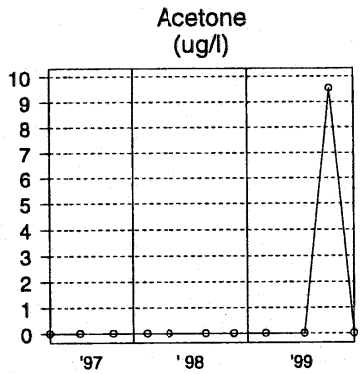
Fort Monmouth

GW Monitoring
Streams

Well 7 of 17

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





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: eams.wsf

	Lab	Methylene Chloride	Tetrachloro ethene	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:

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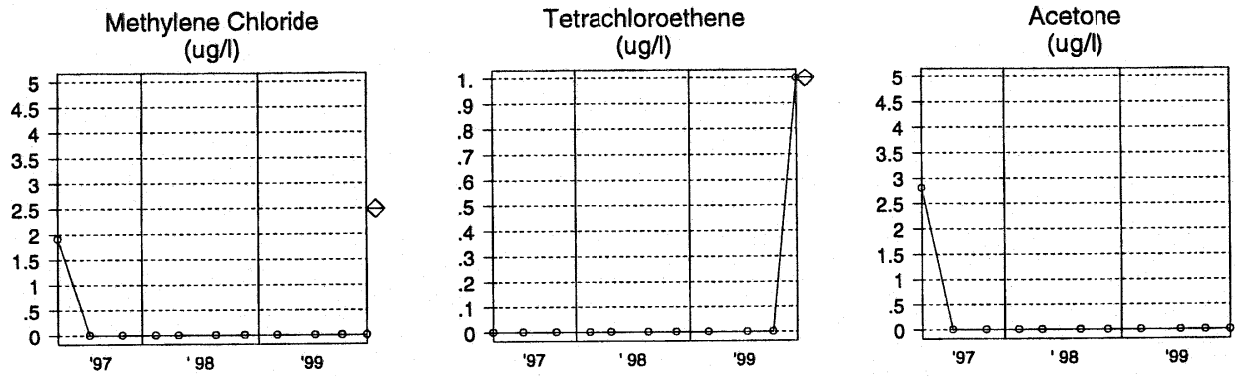
Fort Monmouth

GW Monitoring
Streams

Well 8 of 17

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



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-di chloro ethene	Trichloro ethene	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:

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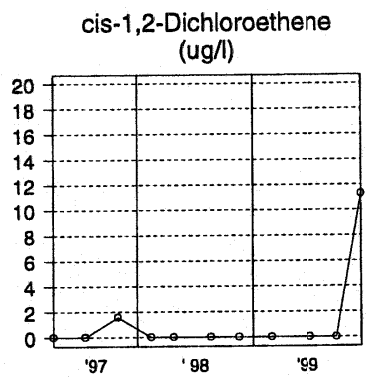
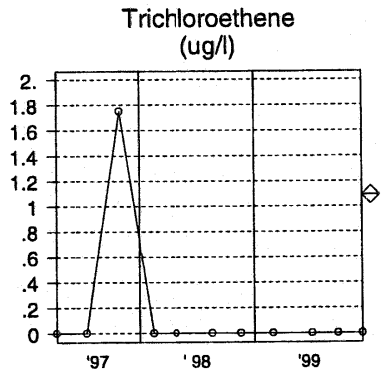
Fort Monmouth

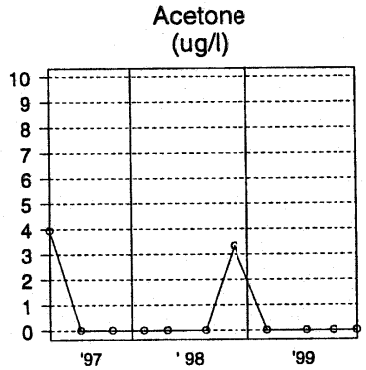
GW Monitoring
Streams

Well 9 of 17

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







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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

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	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
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:

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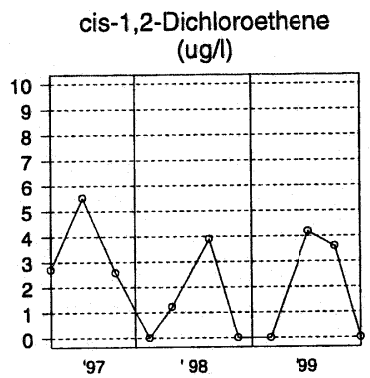
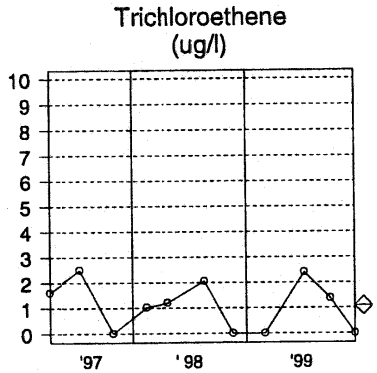
Fort Monmouth

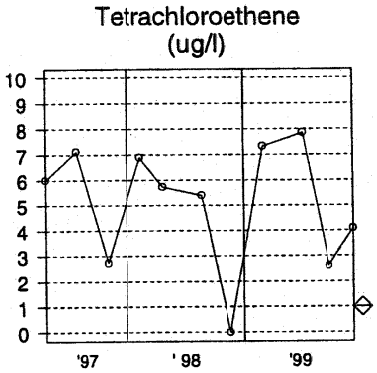
GW Monitoring
Streams

Well 10 of 17

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







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

	Lab	cis-1,2-ci chloro ethene
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:

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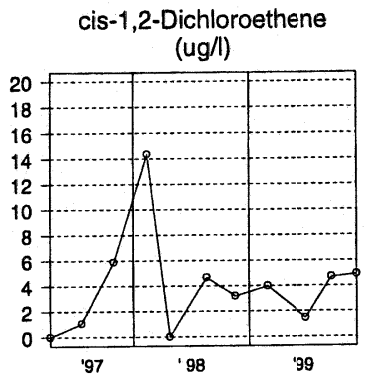
Fort Monmouth

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-di chloro ethene	Trichloro ethene	Tetrachloro ethene
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:

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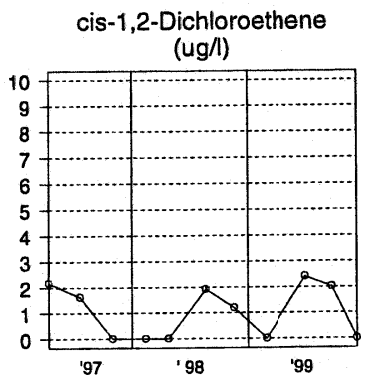
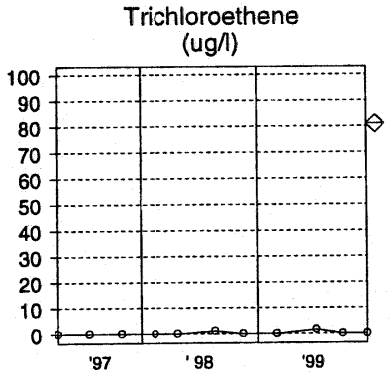
Fort Monmouth

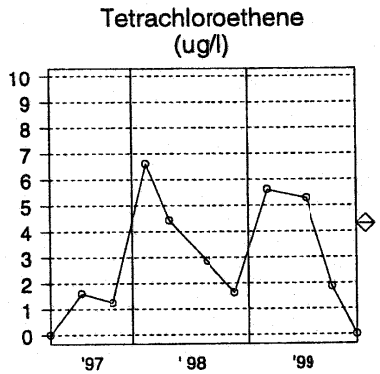
GW Monitoring
Streams

Well 2 of 17

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







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

	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:

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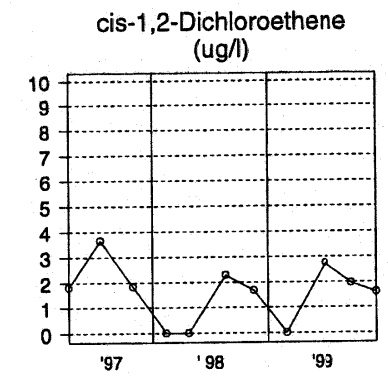
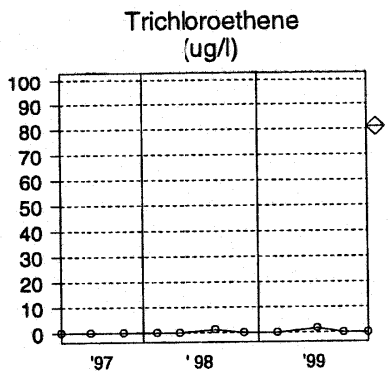
Fort Monmouth

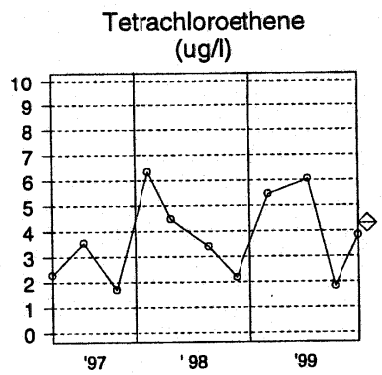
GW Monitoring
Streams

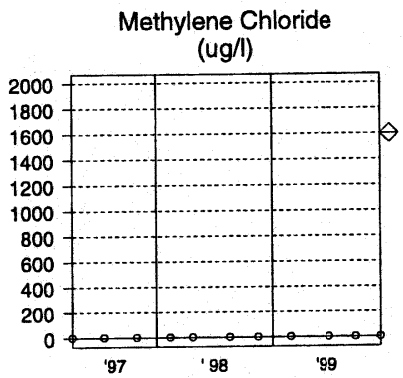
Well 3 of 17

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









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:\mtech46\fm\streams' 'reams.wsf

	Lab	cis-1,2-di chloro ethene	Tetrachloro ethene	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:

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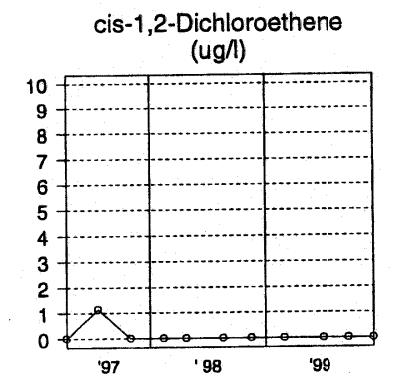
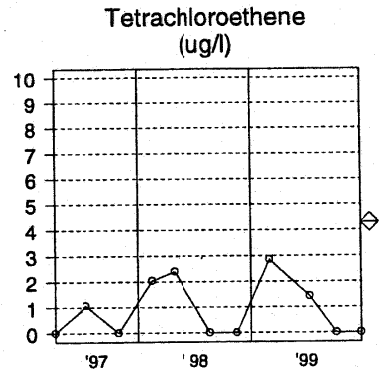
Fort Monmouth

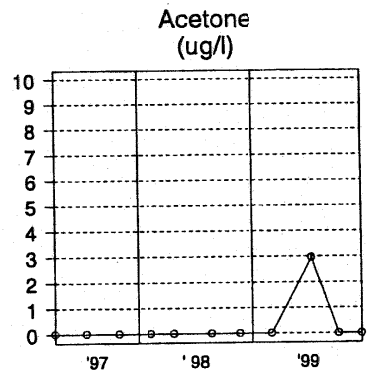
GW Monitoring
Streams

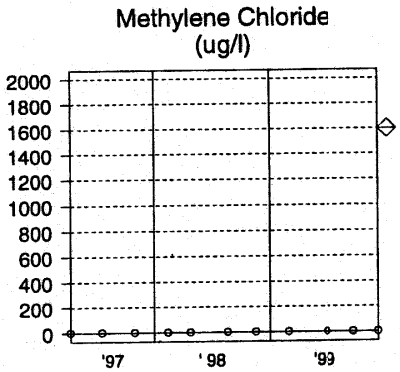
Well 4 of 17

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









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:

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Fort Monmouth

GW Monitoring
Streams

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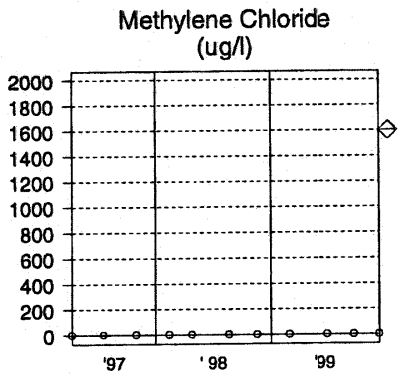
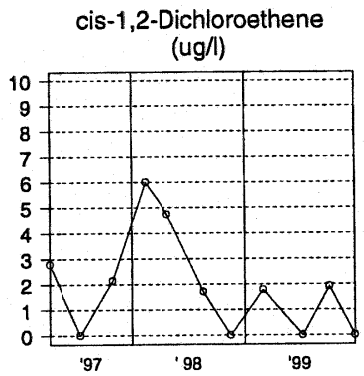
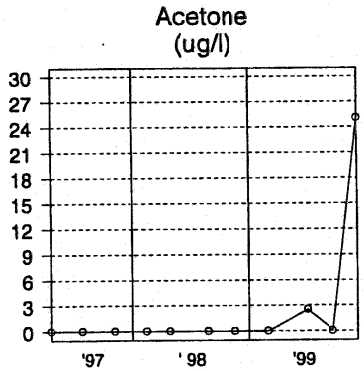
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







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

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
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

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Fort Monmouth

GW Monitoring
Streams

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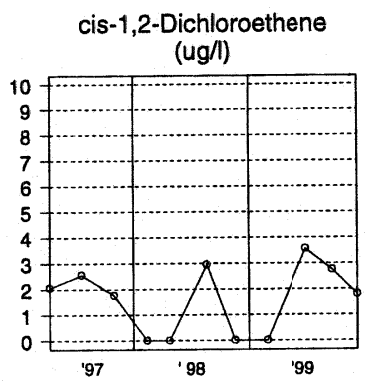
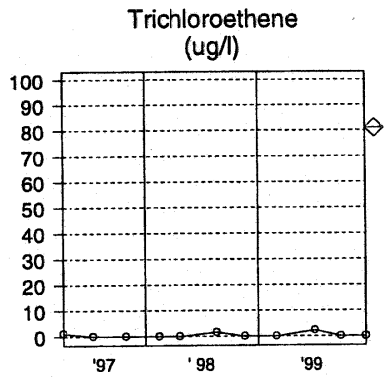
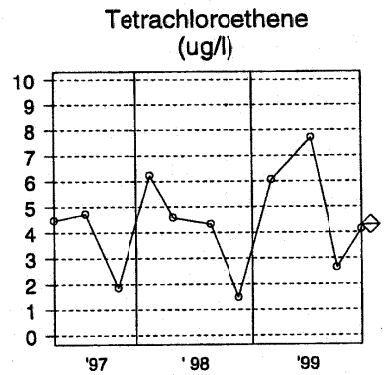
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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

	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:

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Fort Monmouth

GW Monitoring
Streams

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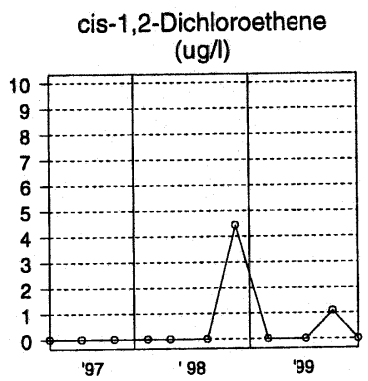
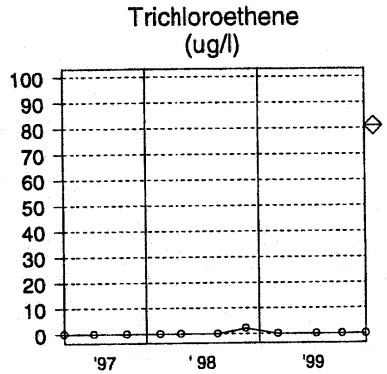
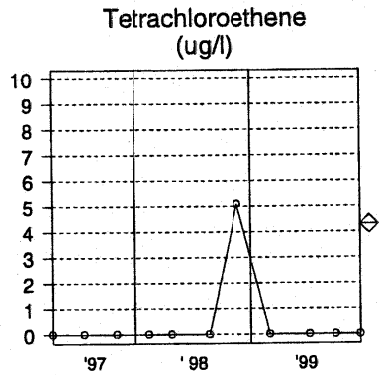
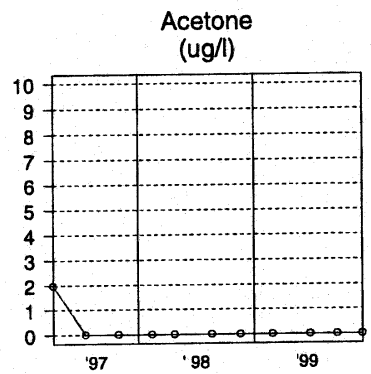
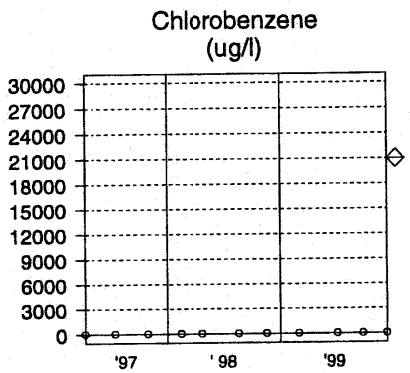
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











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\ \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:

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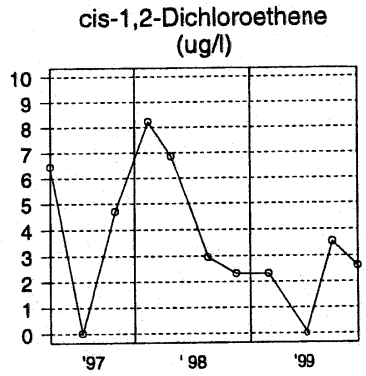
Fort Monmouth

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 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:

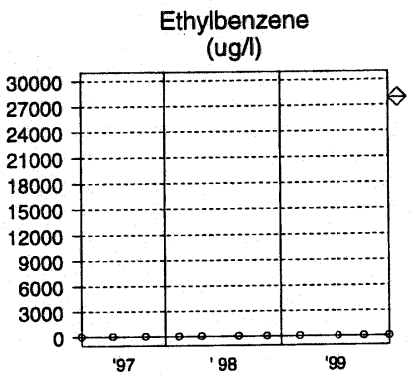
PAGE 1 OF 1

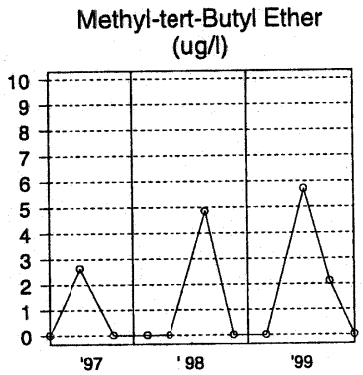
Fort Monmouth

GW Monitoring
Streams

Well 15 of 17

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





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:

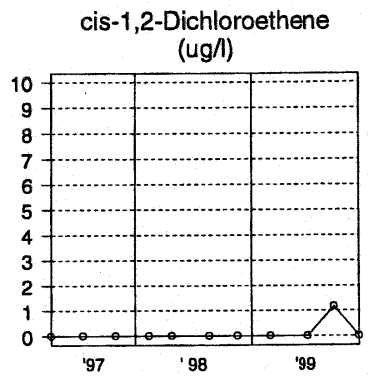
PAGE 1 OF 1

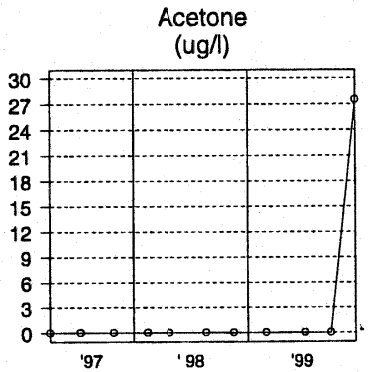
Fort Monmouth

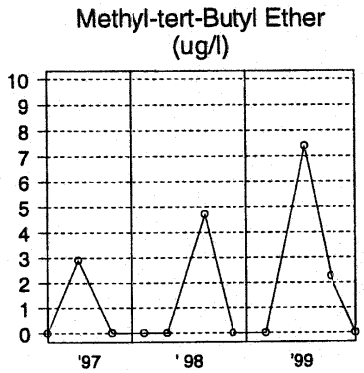
GW Monitoring
Streams

Well 16 of 17

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







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:\mtech46\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:

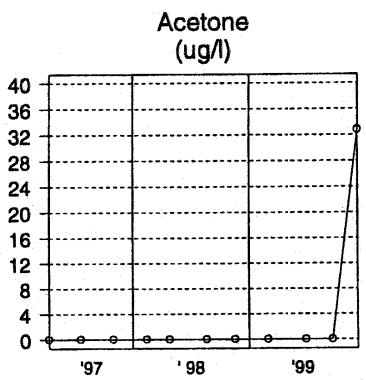
PAGE 1 OF 1

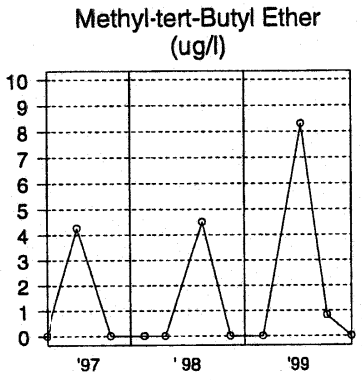
Fort Monmouth

GW Monitoring
Streams

Well 17 of 17

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





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

Comments: HCL/HNO3/H2SO4/4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA	NH3/NO3	PO4/SO4	Total Col.	Temp °C	pH su	Disolv. O2	Salinity	Remarks / Preservation Method
5211.01	Trip Blank	3/1/00	0740	AQ	2	✓				—	—	—	—	—
.02	Field Blank		0800		5	✓	✓	✓	✓	—	—	—	—	—
.03	Field Dupe		—		5	✓	✓	✓	✓	—	—	—	8.28/30	%
.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	6.94	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%

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	3/1/00 1105	[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→O

print legibly

ds2/18/00

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

Comments: HCL/HNO_3/H_2SO_4/4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA	NH_3/NO_3	PO_4/SO_4	Total Coli	Temp °C	pH su	Dissol. O_2	Salinity	Remarks / Preservation Method
5211. .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

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	3/1/00 1105	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD

Turnaround time: (X)Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: Tide: H → 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

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

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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

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

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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

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

Data File	VC002250.D	Sample Name	5211.03
Operator	Skelton	Field ID	Field Dupe
Date Acquired	4 Mar 2000 1:38 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	0.665	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

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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

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

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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

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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

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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

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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

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

Data File **VC002263.D**
Operator **Skelton**
Date Acquired **4 Mar 2000 10:29 pm**

Sample Name **5211.16**
Field ID **StreamSite#13**
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

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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

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

Data File **VC002264.D**
Operator **Skelton**
Date Acquired **4 Mar 2000 11:09 pm**

Sample Name **5211.17**
Field ID **StreamSite#15**
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

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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

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

Data File **VC002259.D**
Operator **Skelton**
Date Acquired **4 Mar 2000 7:46 pm**

Sample Name **5211.12**
Field ID **StreamSite#17**
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

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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

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

Data File	VC002255.D	Sample Name	5211.08
Operator	Skelton	Field ID	StreamSite#19
Date Acquired	4 Mar 2000 5:02 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	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

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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

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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

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

Data File **VC002251.D**
Operator **Skelton**
Date Acquired **4 Mar 2000 2:19 pm**

Sample Name **5211.04**
Field ID **StreamSite#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			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

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C:\HPCHEM\CUSTRPT\VOLATILE\SALTWATER.CRT

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	Tetrachloro ethene
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.

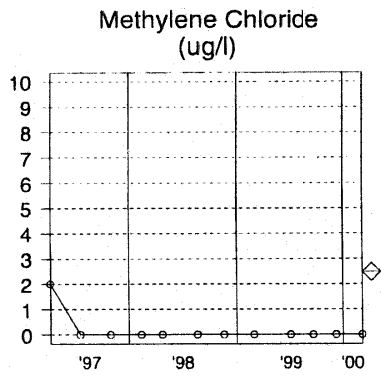
PAGE 1 OF 1

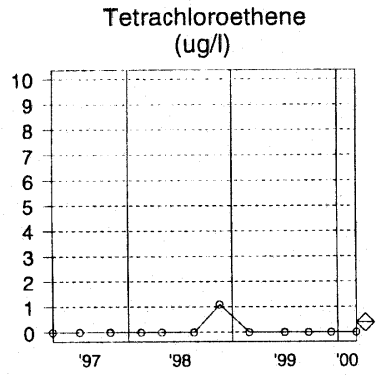
Fort Monmouth

GW Monitoring
Streams

Well 1 of 17

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





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
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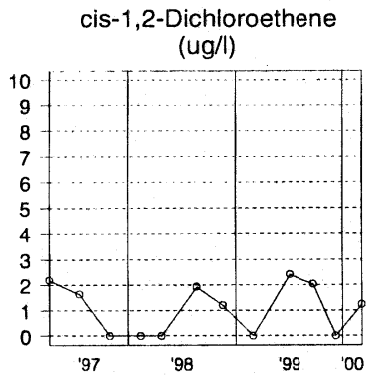
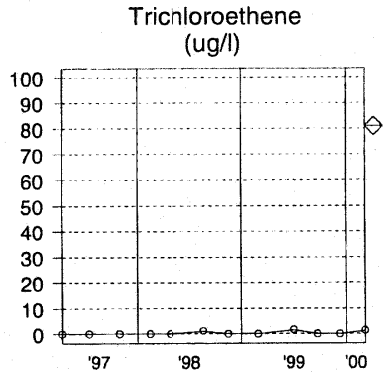
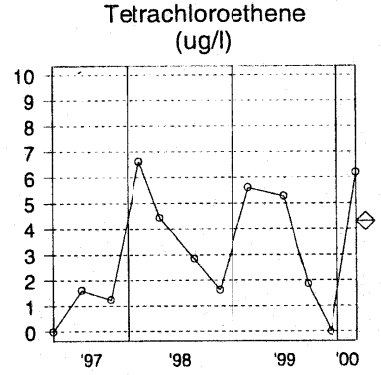
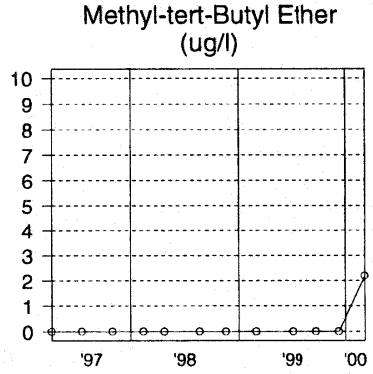
SELFM-PW-EV









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

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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
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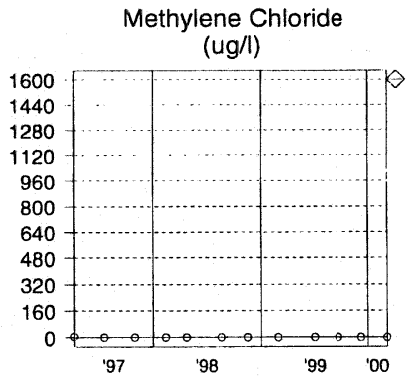
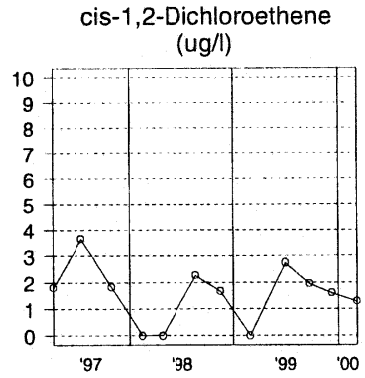
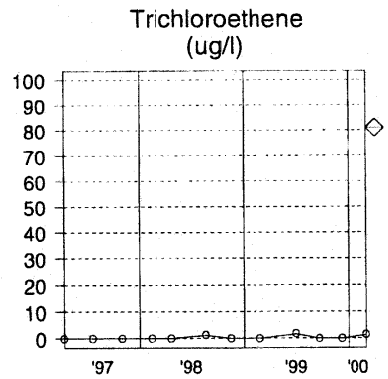
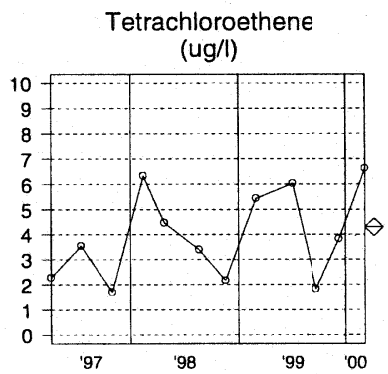
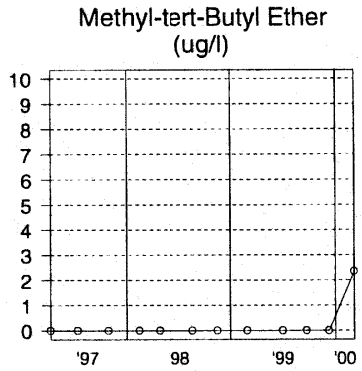
SELFM-PW-EV











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-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

SOURCE: 7

Sampling Dates:
04/08/1997 - 03/01/2000

NOTES:

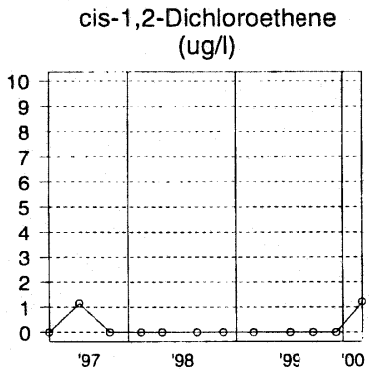
PAGE 1 OF 1
Stream 7 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.
Acetone limit is NLE.

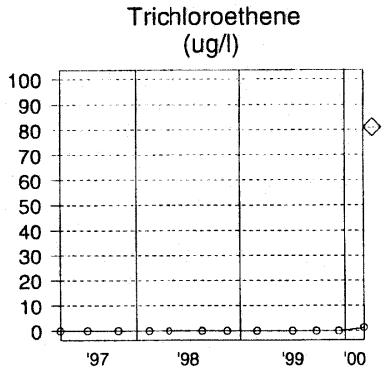
Fort Monmouth

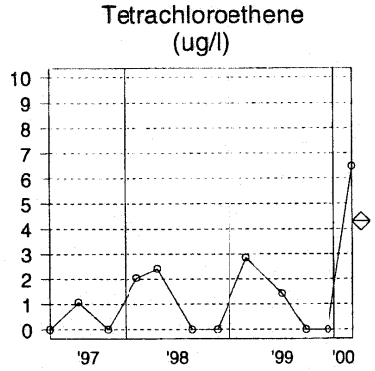
GW Monitoring
Streams

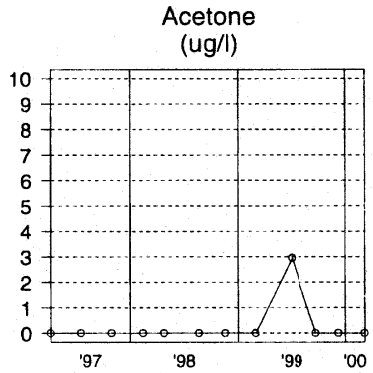
Well 4 of 17

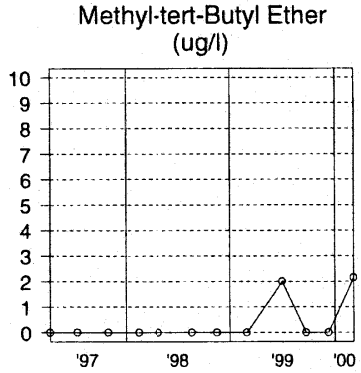
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











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

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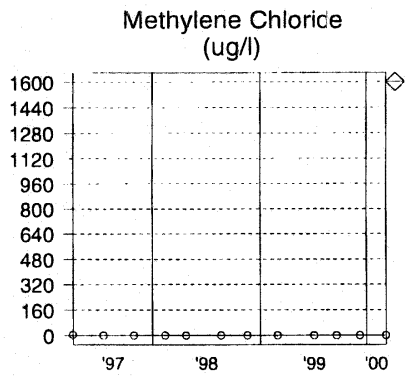
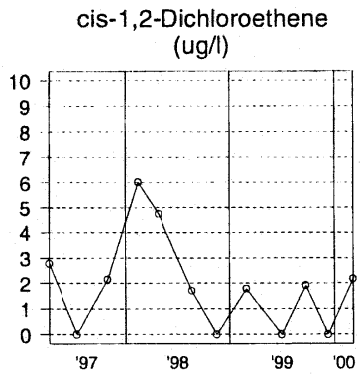
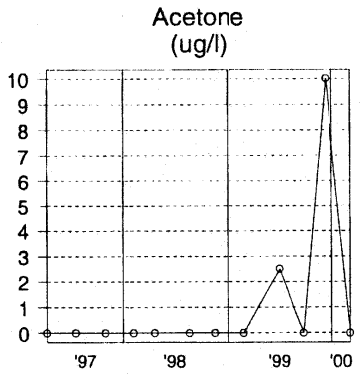
SELFM-PW-EV







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

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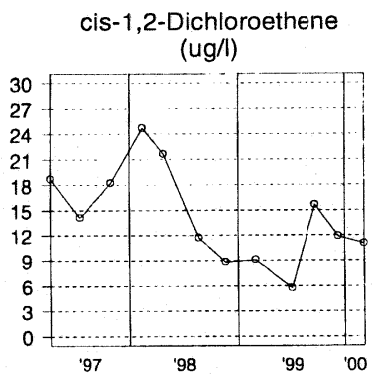
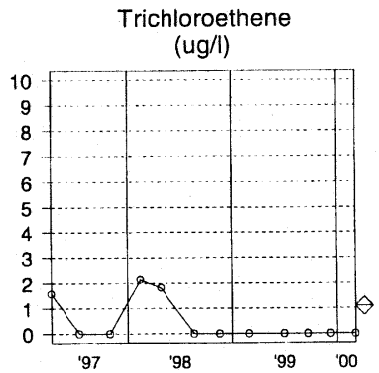
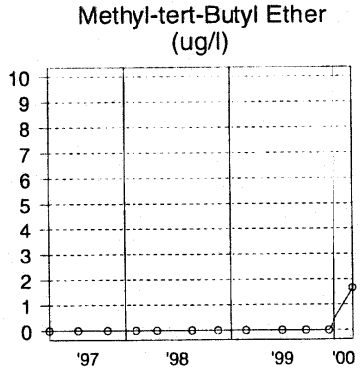
SELFM-PW-EV







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-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

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

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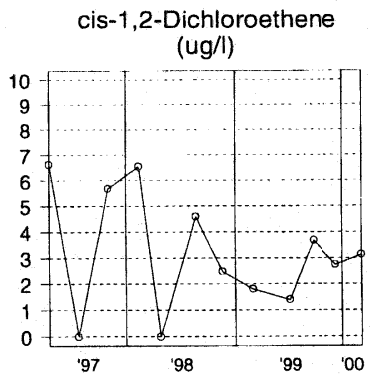
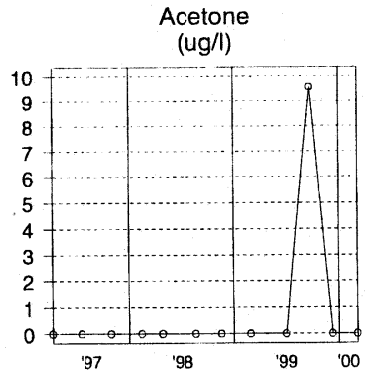
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 12

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

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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

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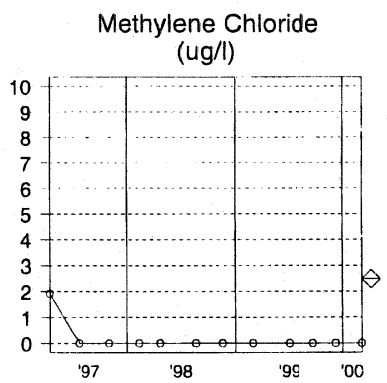
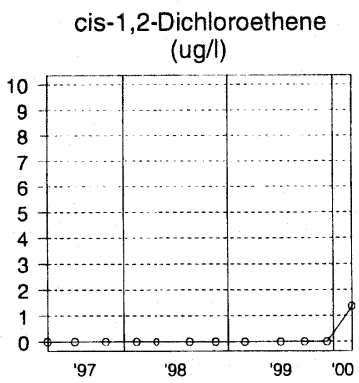
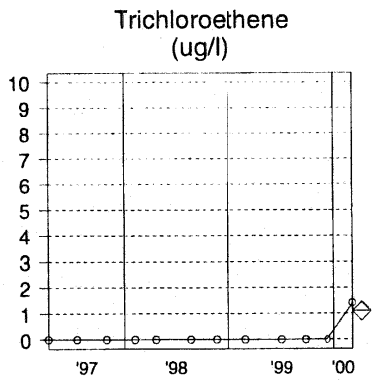
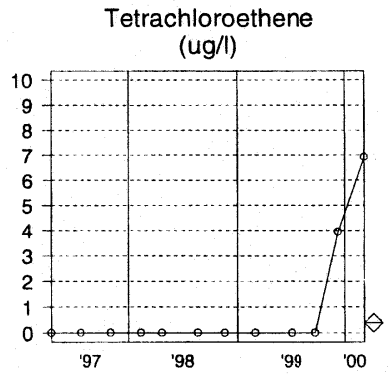
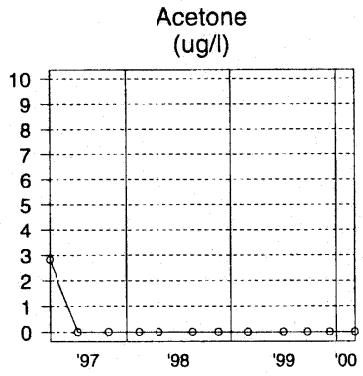
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

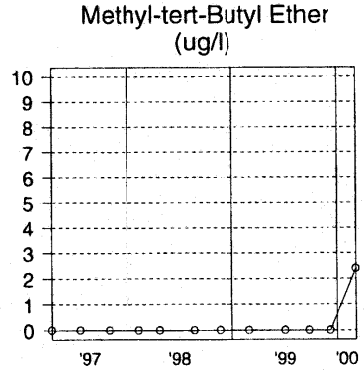












SOURCE: 13

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-di chloro ethene	Trichloro ethene	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

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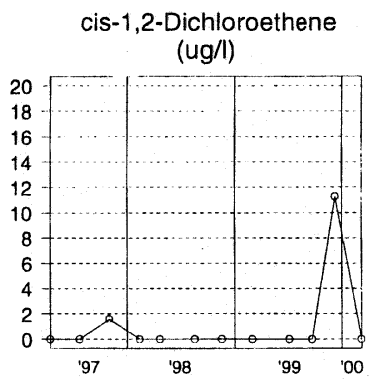
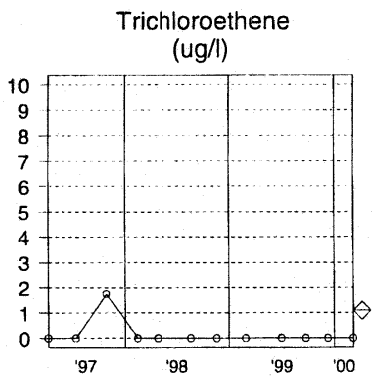
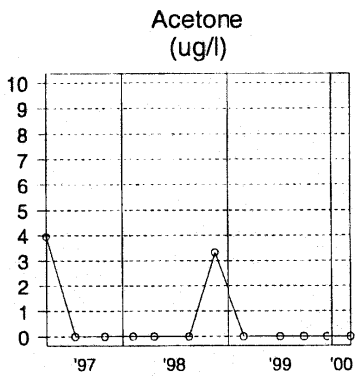
SELFM-PW-EV







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.

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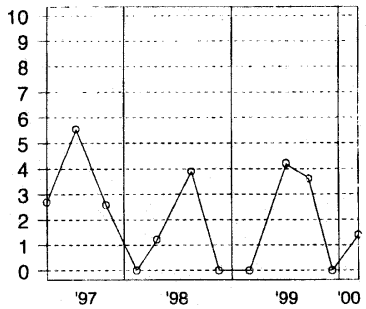
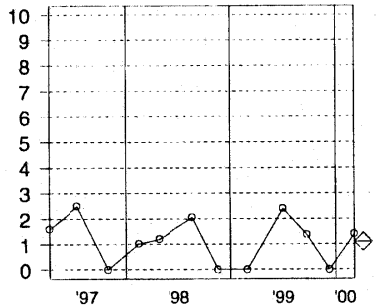
SELFM-PW-EV

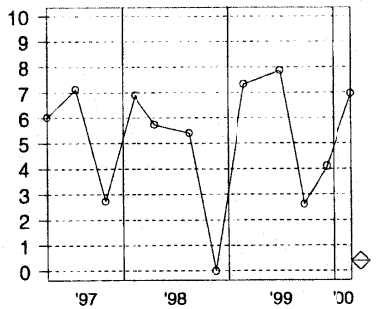
cis-1,2-Dichloroethene
(ug/l)



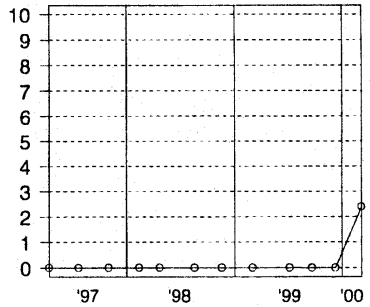
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



SOURCE: 15

Sampling Dates:
04/08/1997 - 03/01/2000

LEGEND:

PARAMETER

○ = 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:

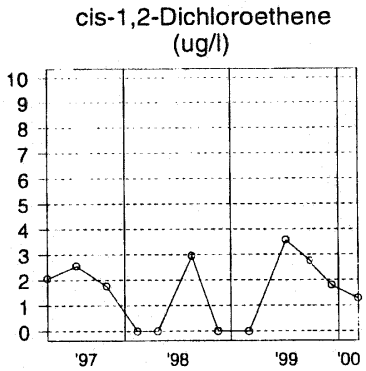
PAGE 1 OF 1
Stream 16 is Salt-Water.
cis-1,2-di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

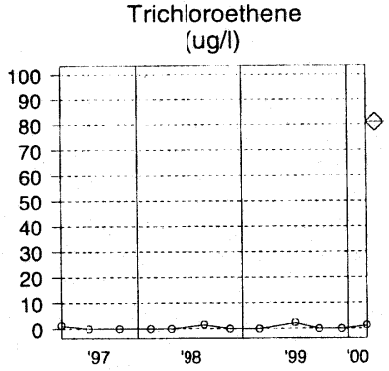
Fort Monmouth

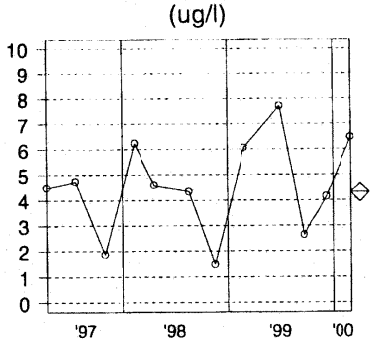
GW Monitoring
Streams

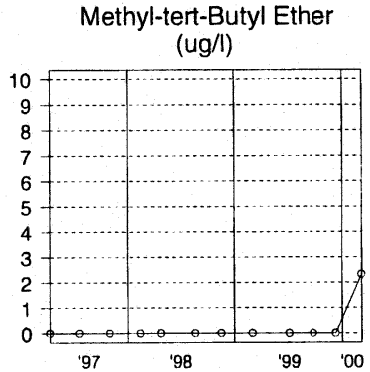
Well 11 of 17

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









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:

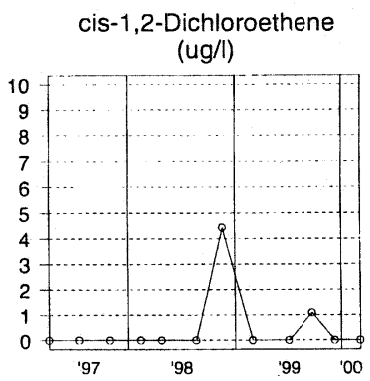
PAGE 1 OF 1
stream 17 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
Acetone limit is NLE.
Chlorobenzene limit is 21000 ug/L.

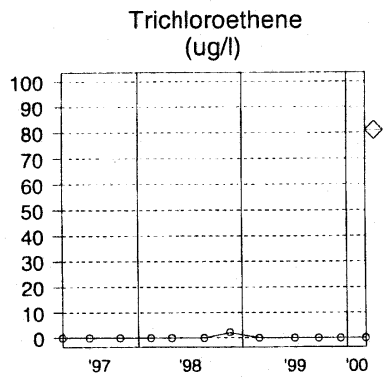
Fort Monmouth

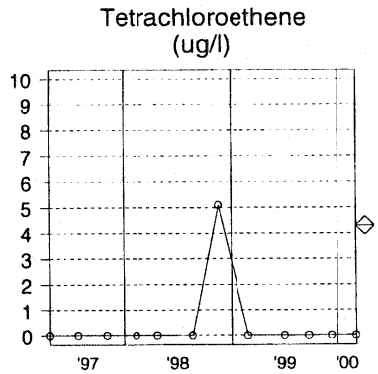
GW Monitoring
Streams

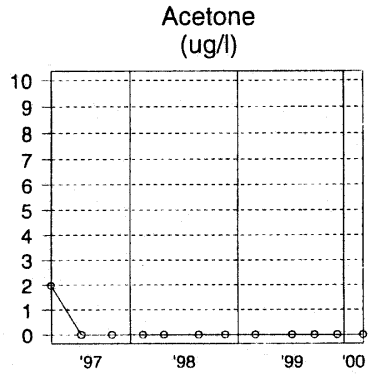
Well 12 of 17

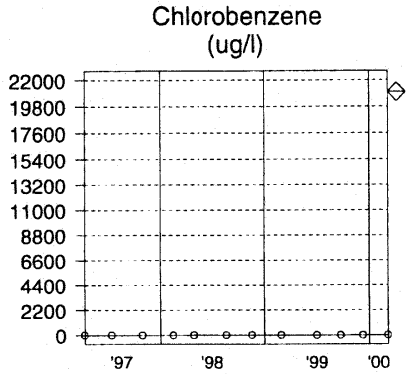
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











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-di chloro ethene
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:

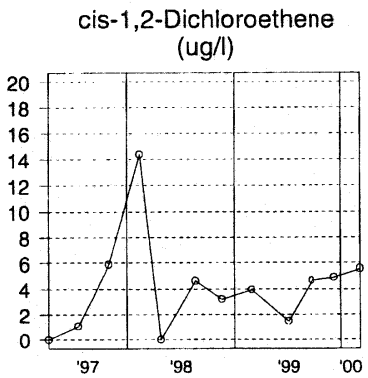
PAGE 1 OF 1
Stream 18 is Fresh-Water.
cis-1,2-Di limit is NLE.

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

○ = 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 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

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

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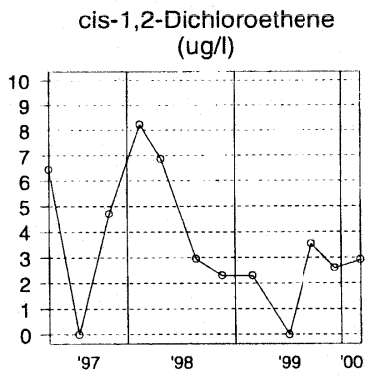
FORT MONMOUTH
SELFM-PW-EV



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

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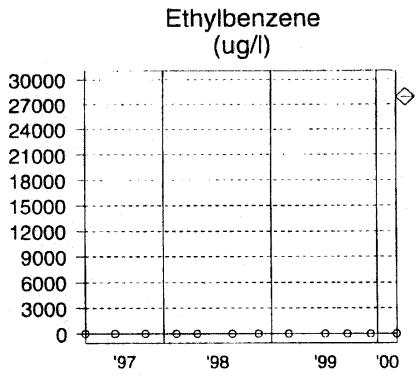
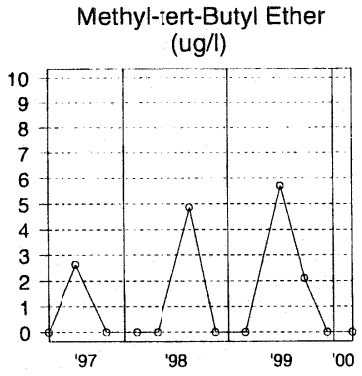
SELFM-PW-EV





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:\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

SOURCE: 21

Sampling Dates:
04/08/1997 - 03/01/2000

NOTES:

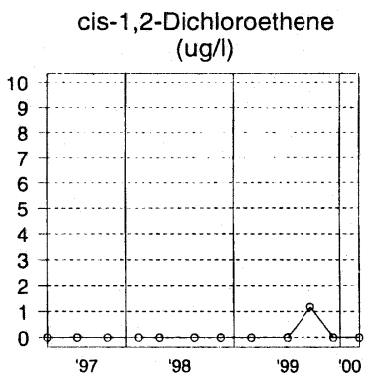
PAGE 1 OF 1
Sream 21 is Salt-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.
MTBE limit is NLE.

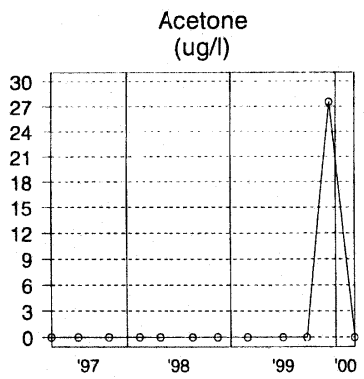
Fort Monmouth

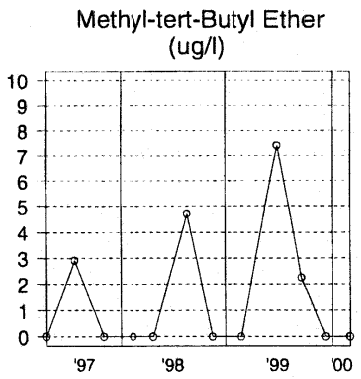
GW Monitoring
Streams

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

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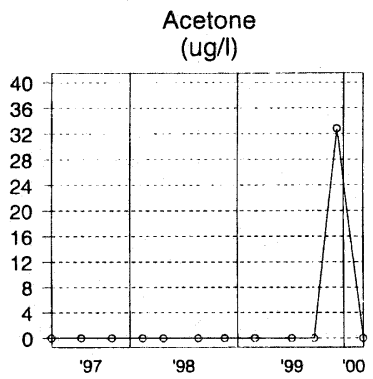
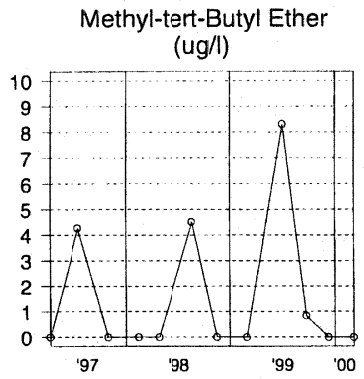
SELFM-PW-EV





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

Comments: HCL/ H_2SO_4 / <4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOC+15	NH_3/NO_3	Pb_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 / ~~0.0~~ 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

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

Comments: HCL / H_2SO_4 / 24°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOT'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			✓	✓	✓	✓	✓	7.15 ~~7.00~~	~~6.70~~ ~23.4 ~~24.3~~	6.53	1.000 / 0.0
.25	#28		1121			✓	✓	✓	✓	✓	6.81	26.8	6.66	1.003 / ~~3.00~~ 3.00 cpm
.26	#29		1135			✓	✓	✓	✓	✓	6.91	27.1	6.51	1.005 / ~~5.00~~ 5.0

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	6/12/00 1414	[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, ( )EDD

Turnaround time: ( )Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: Tide: H→O

print legibly

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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

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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

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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

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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

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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

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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

Qualifiers

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

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

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VOLATILE 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

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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

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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

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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

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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

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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

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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

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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-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

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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-9

Qualifiers

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

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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

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

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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

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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

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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-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 2:04 PM

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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

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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

6/15/00 2:30 PM

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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

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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-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 2:04 PM

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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-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

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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

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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

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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-9

Qualifiers

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

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

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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-9'.

Qualifiers

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

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

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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

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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-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

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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-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

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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-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

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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	Tetrachloro ethene
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.

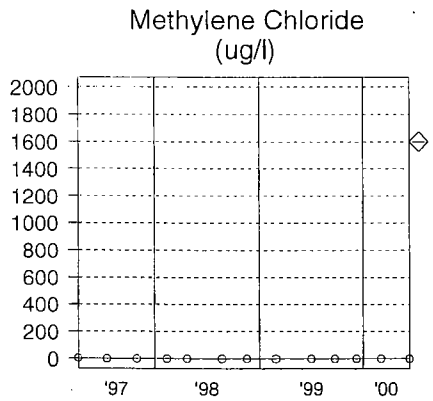
PAGE 1 OF 1

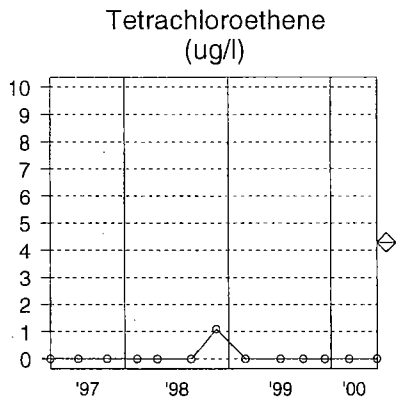
Fort Monmouth

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:

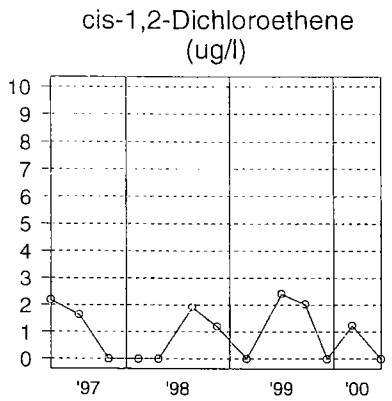
PAGE 1 OF 1
Stream 4 is Salt-Water.
MTBE limit is NLE
cis-1,2-Di limit isNLE
TCE limit is 81
PCE limit is 4.29

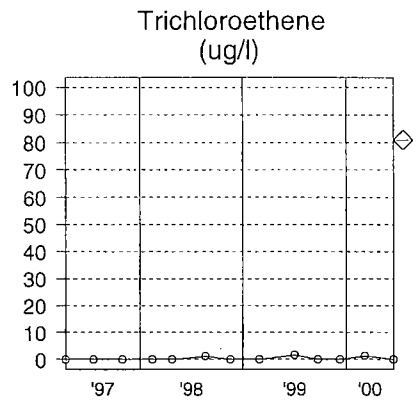
Fort Monmouth

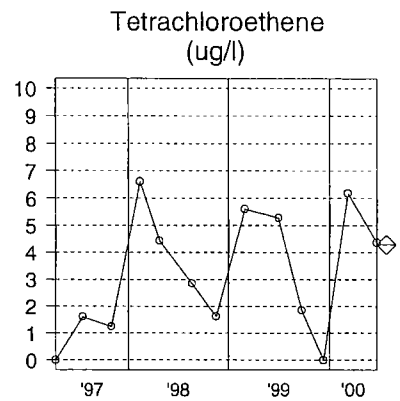
GW Monitoring
Streams

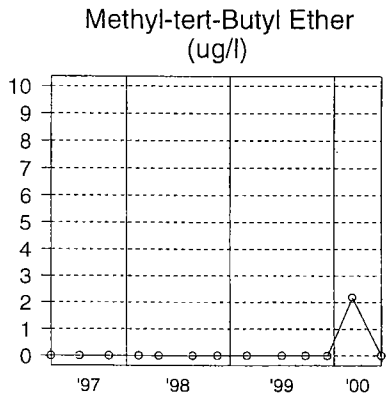
Well 2 of 17

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









SOURCE: 4

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

○ = 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:

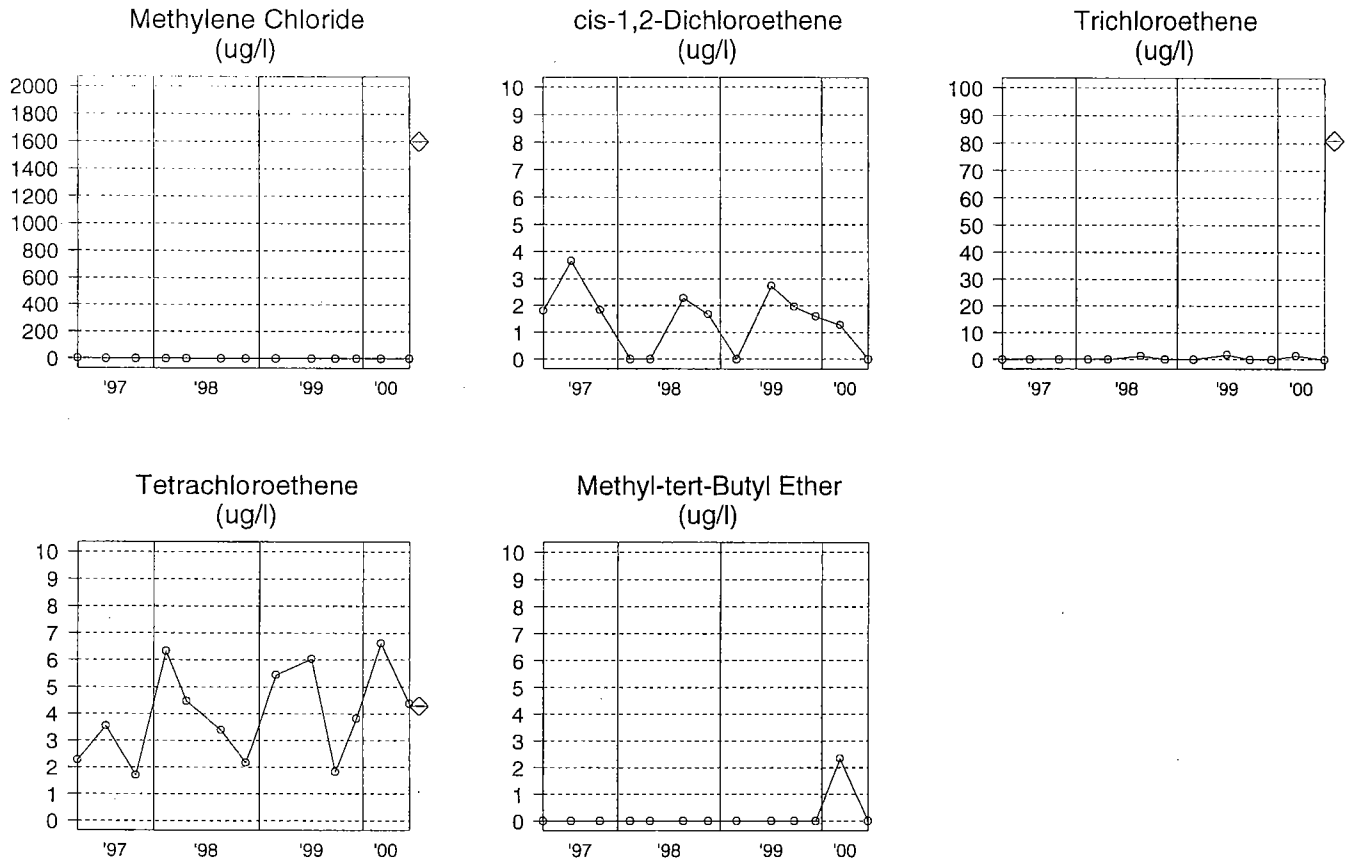
PAGE 1 OF 1
Stream 5 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Well 3 of 17

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



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

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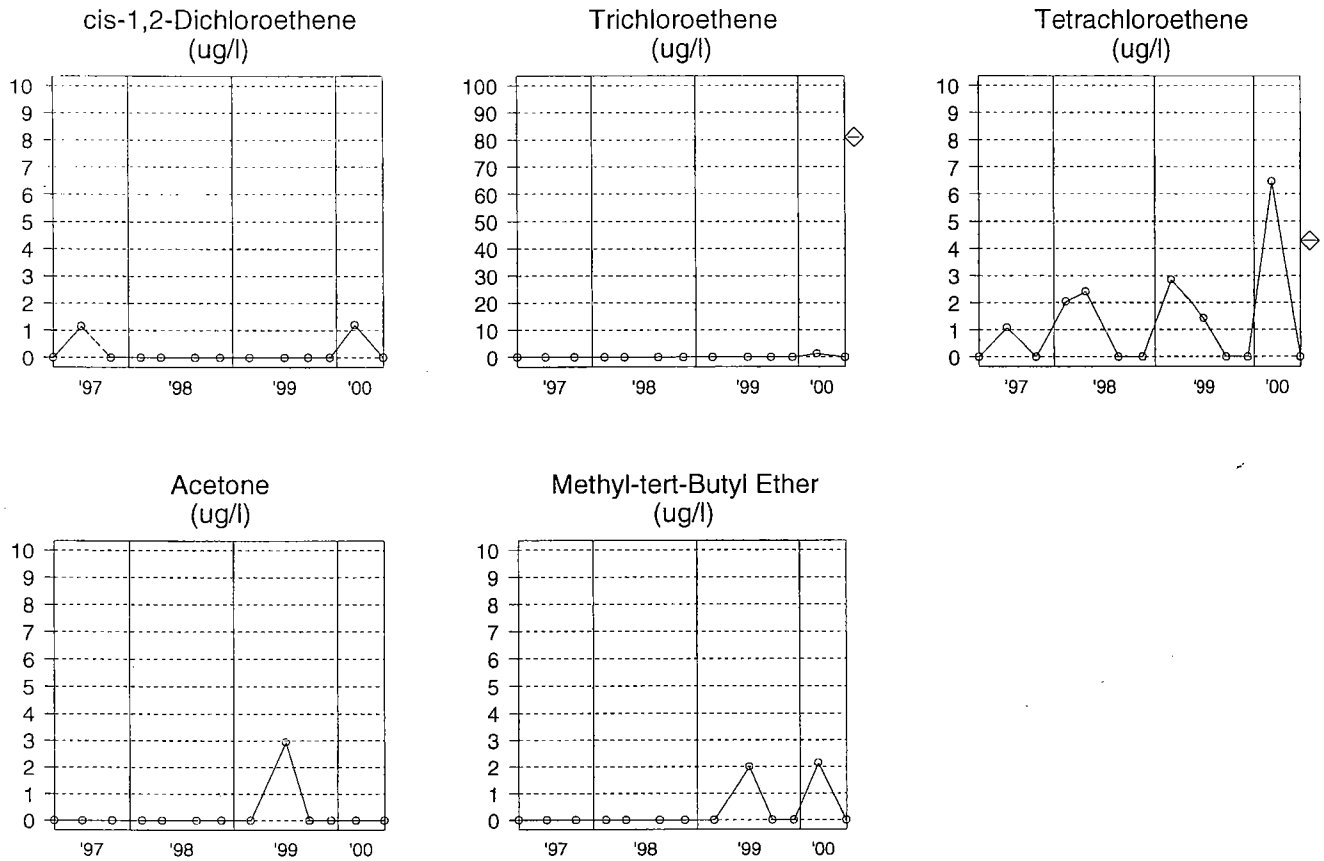
FORT MONMOUTH
SELFM-PW-EV



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

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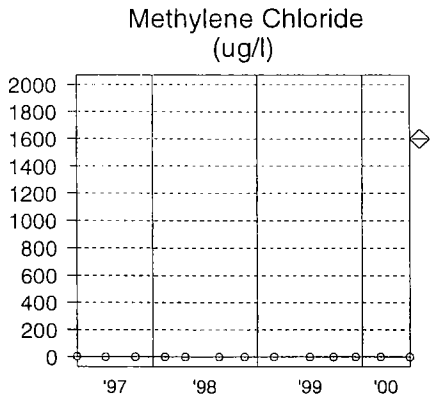
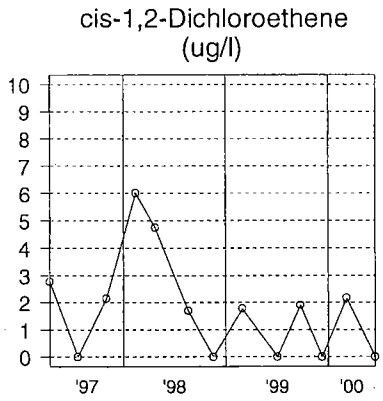
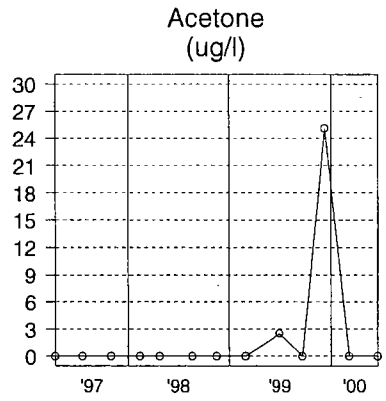
SELFM-PW-EV







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:

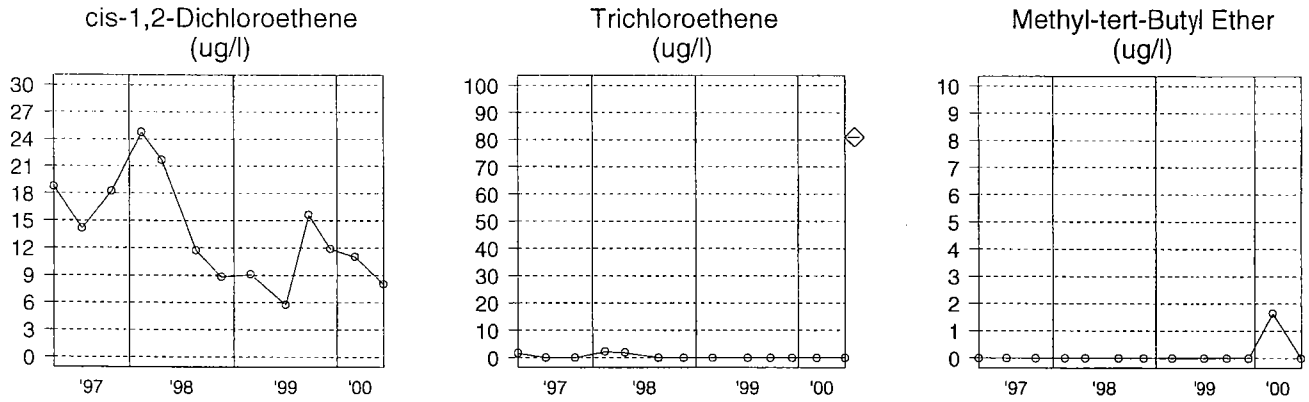
PAGE 1 OF1
Stream 11 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Well 6 of 17

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



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

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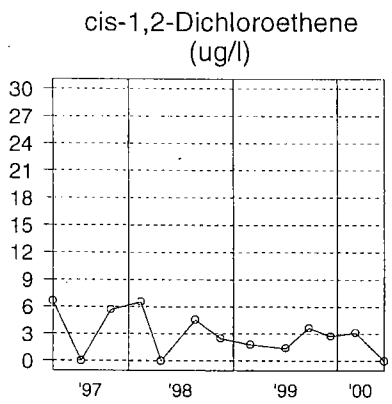
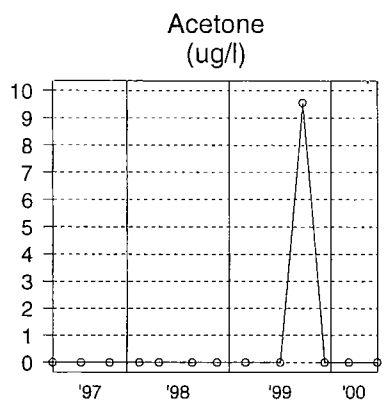
SELFM-PW-EV





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:

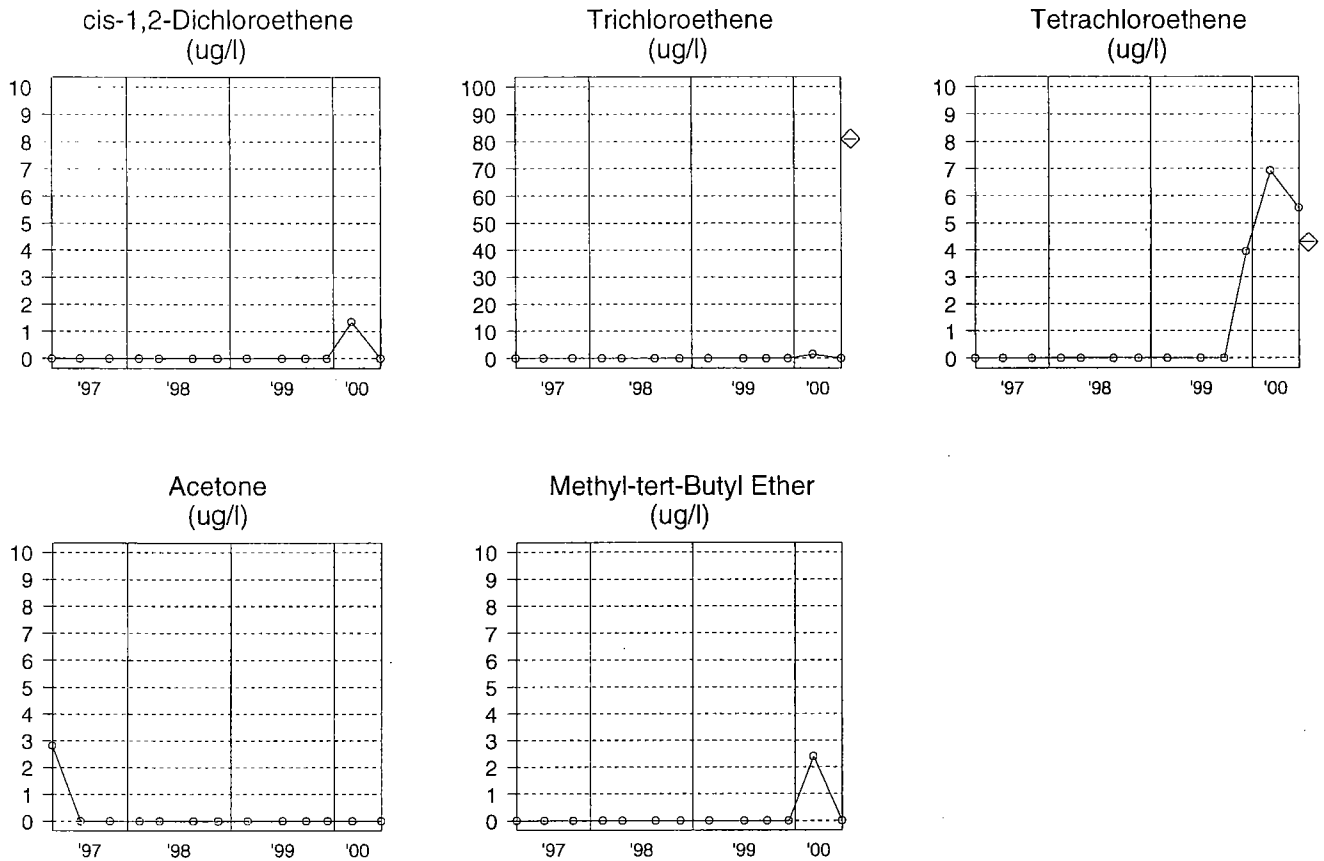
PAGE 1 OF 1
Stream 13 is Fresh-Water.
MeCl limit is 2.49 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
PCE limit is 0.388 ug/L.
Acetone limit is NLE.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Well 8 of 17

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



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:

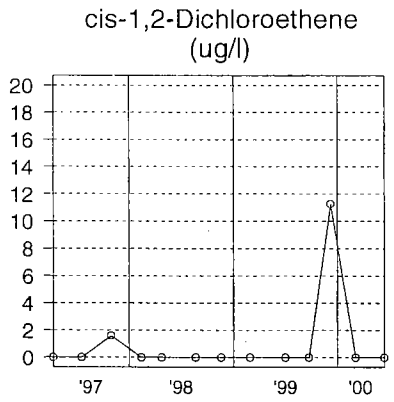
PAGE 1 OF 1
Stream 14 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
Acetone limit is NLE.

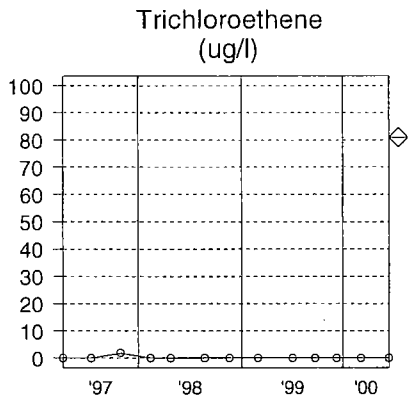
Fort Monmouth

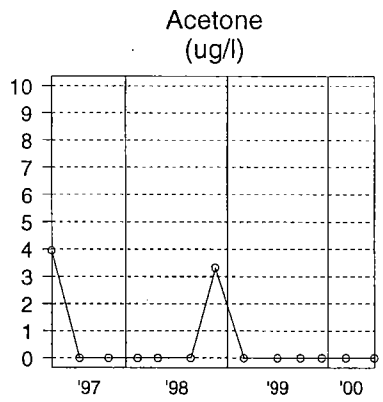
GW Monitoring
Streams

Well 9 of 17

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







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:

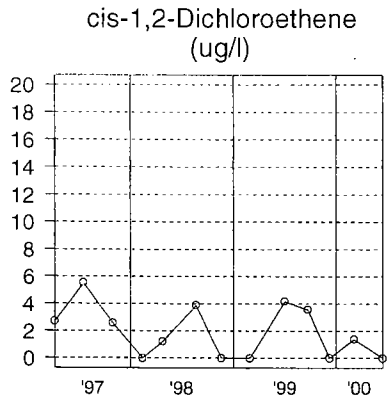
PAGE 1 OF 1
Stream 15 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
PCE limit is 0.388 ug/L.
MTBE limit is NLE.

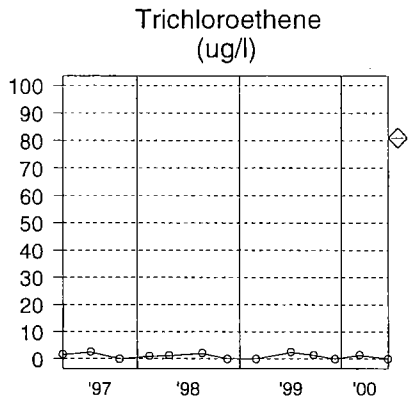
Fort Monmouth

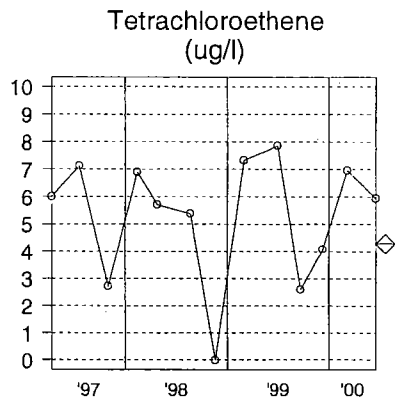
GW Monitoring
Streams

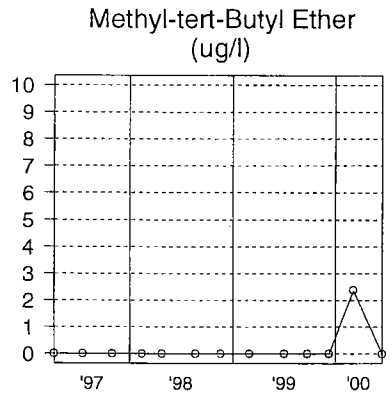
Well 10 of 17

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









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

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U.S.ARMY
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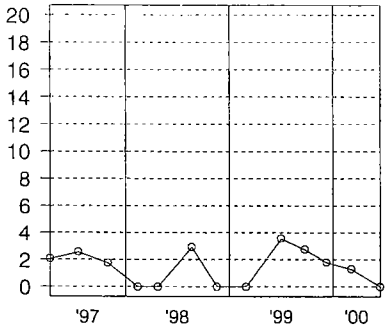
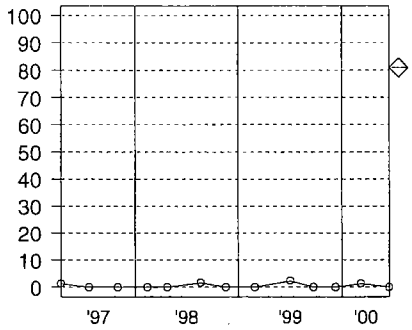
SELFM-PW-EV

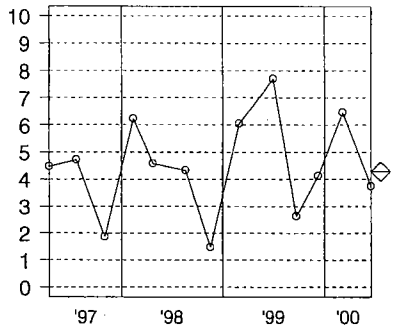
cis-1,2-Dichloroethene
(ug/l)



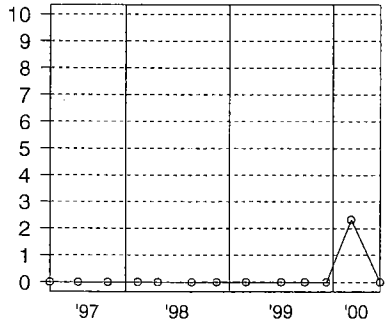
Trichloroethene
(ug/l)



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

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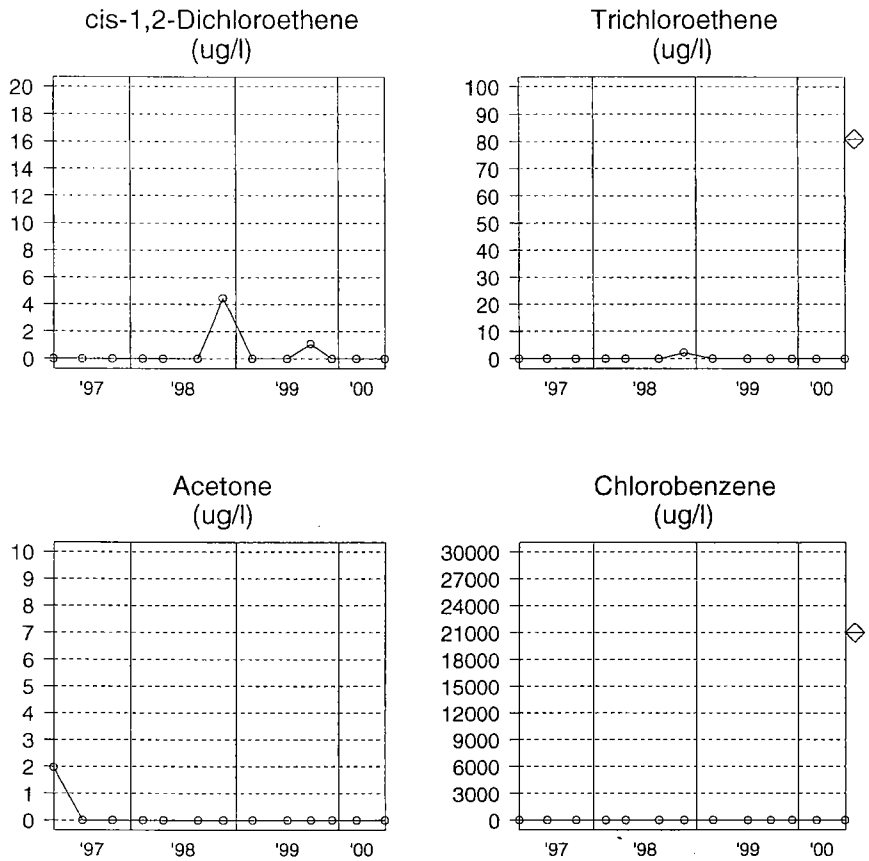
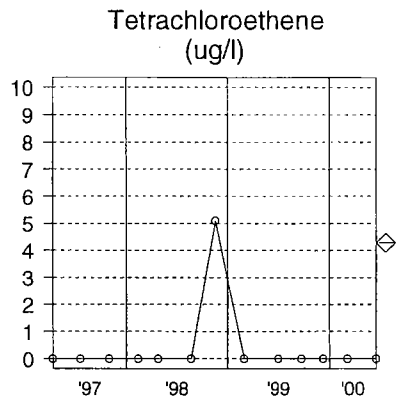
FORT MONMOUTH
SELFM-PW-EV





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.

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Streams

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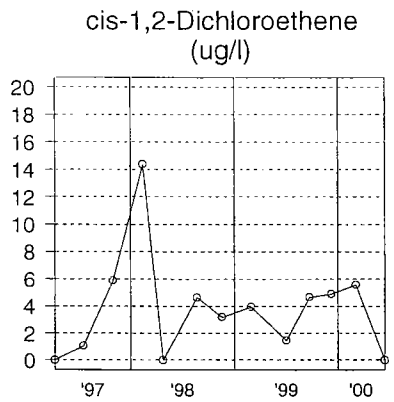
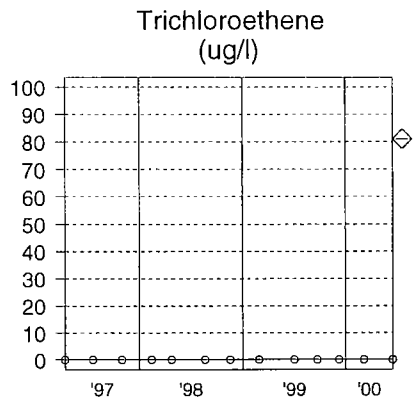
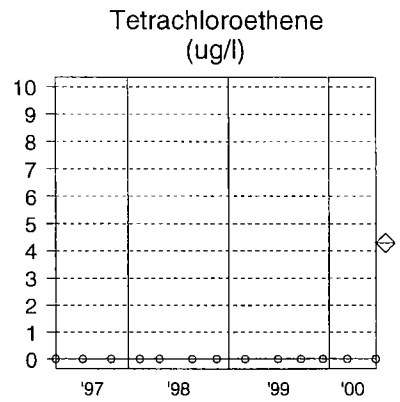
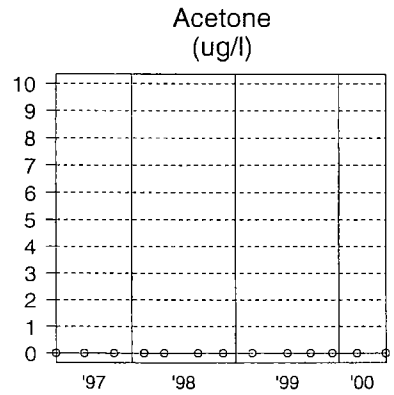
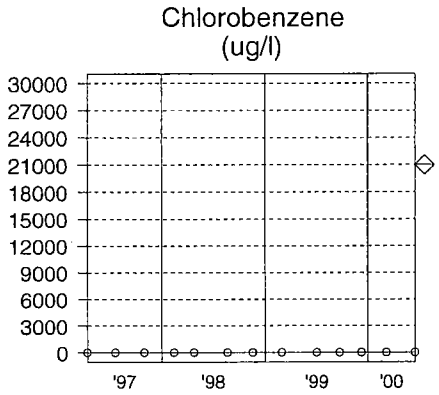
SELFM-PW-EV











SOURCE: 18

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

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Streams

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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.

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Streams

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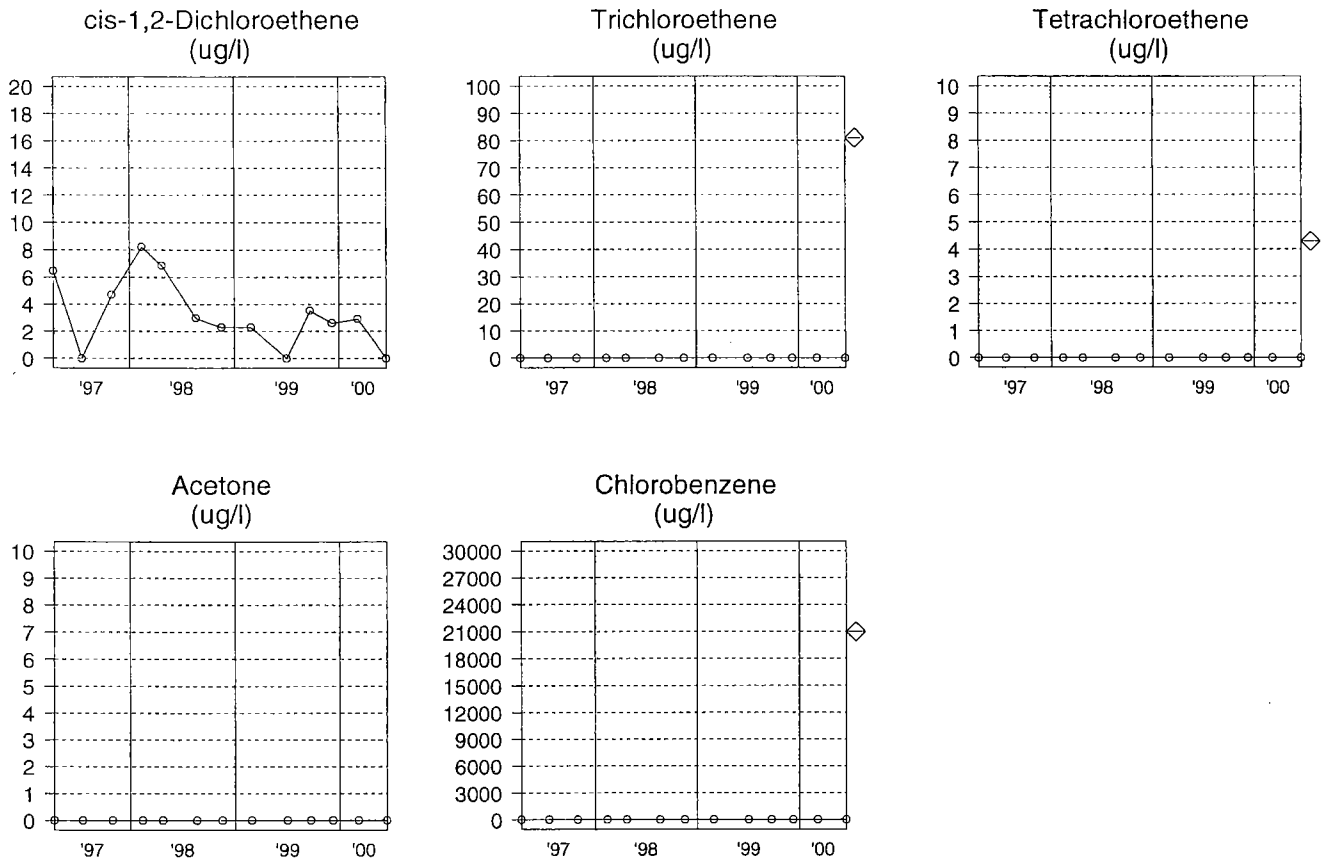
SELFM-PW-EV



SOURCE: 19

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

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Streams

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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.

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Streams

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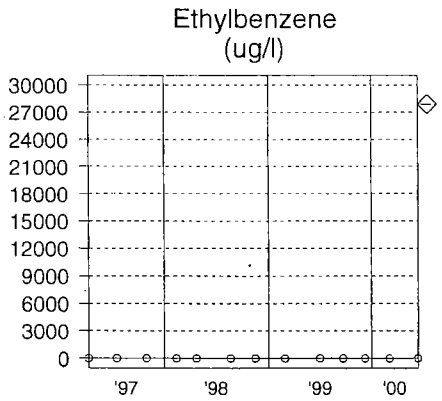

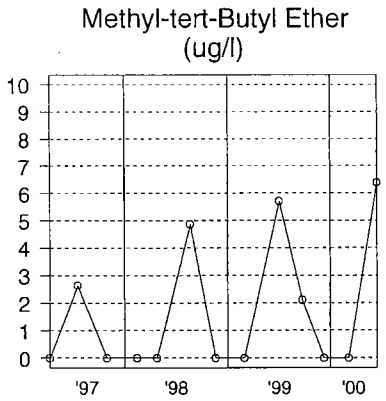

SOURCE: 20

Sampling Dates:
04/08/1997 - 06/12/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

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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.

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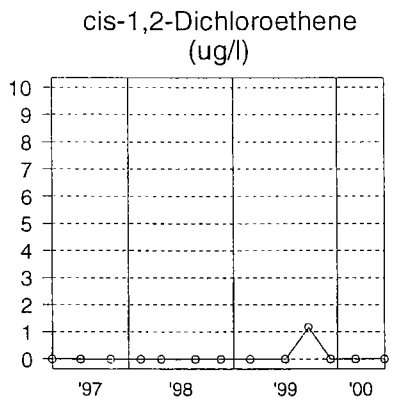
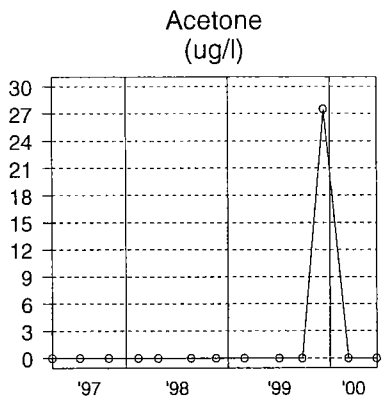
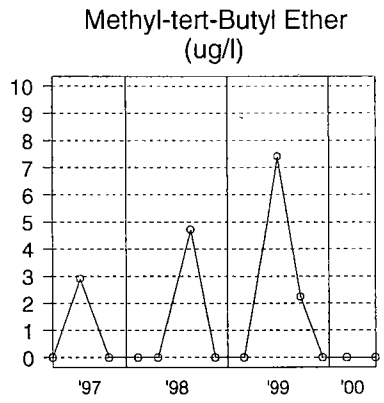
FORT MONMOUTH
SELFM-PW-EV







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:

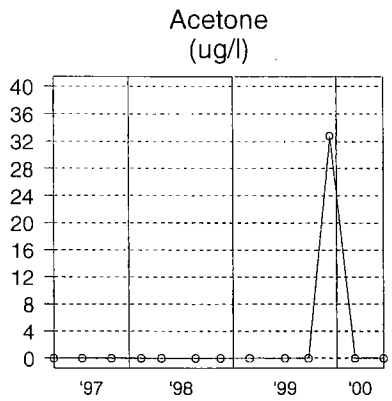
PAGE 1 OF 1
Stream 22 is Salt-Water.
Acetone limit is NLE.
MTBE limit is NLE.

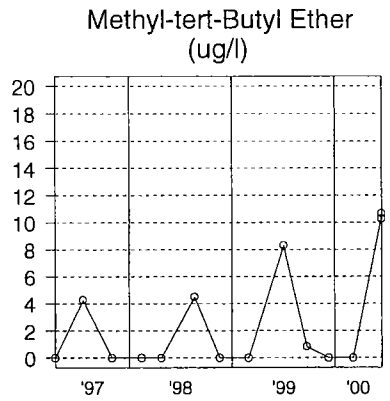
Fort Monmouth

GW Monitoring
Streams

Well 17 of 17

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





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	Tetrachloro ethene
Units:	-	ug/l
NJDEP Criteria:	-	4.29
06/12/2000	FMETL	5.60

SOURCE: 23

Sampling Dates:
06/12/2000 - 06/12/2000

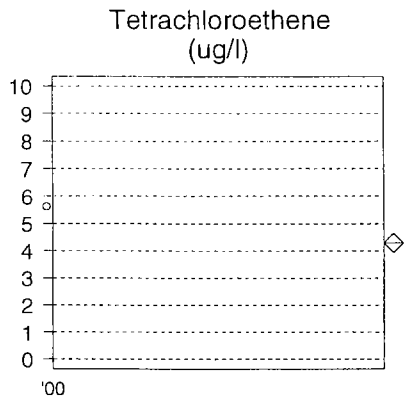
NOTES:

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	Tetrachloro ethene
Units:	-	ug/l
NJDEP Criteria:	-	4.29
06/12/2000	FMETL	4.72

SOURCE: 24

Sampling Dates:
06/12/2000 - 06/12/2000

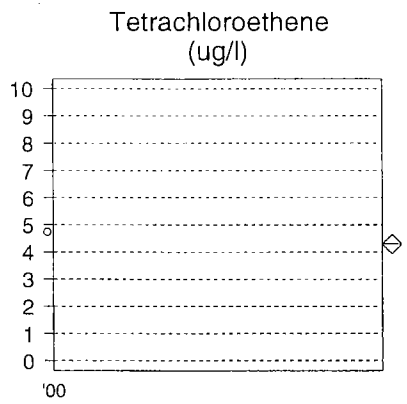
NOTES:

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

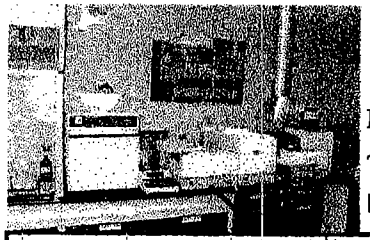
9-29-00

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 McCormack, TVS

Comments: HCL/H_2SO_4/<4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOTs	NH_3/NO_3	PO_4/SO_4	Total Coli.	PCB's	pH (SU)	Temp (°C)	Dsolvd O_2	Remarks / Preservation Method	
SLE58 .01	Trip	8/24/00	~~0910~~ 0930	AQ	2	✓					—	—	—		
.02	Field Blank		0900		5	✓	✓	✓	CPT	✓	—	—	—	Salinity	
.03	Dupe		—		6	✓	✓	✓	✓	✓	—	—	—	d_{20}^{20}	‰
.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 McCormack	8/24/00 1300	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

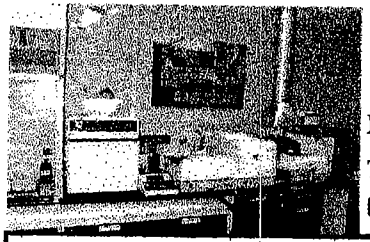
Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: Tide: HW

• 8-25-00 D.C. .02 – .15 Extracted

print legibly

Coc rlo8/16/00



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: Carey McCormack, TVS

Comments: HCL/H_2SO_4/C4°C

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 SU	Temp °C	Dissolved O_2	Remarks / Preservation Method	
5658:15	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	8.88	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):
Carey McCormack	8/24/00 1300	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: H→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

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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

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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

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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

9/21/00 2:07 PM

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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

9/21/00 2:08 PM

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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

9/21/00 2:07 PM

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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

9/26/00 1:01 PM

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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

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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

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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

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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

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	Tetrachloro ethene
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

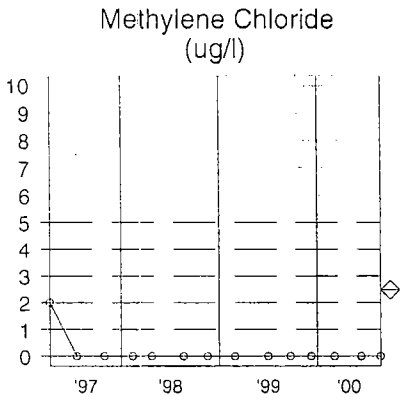
NOTES:

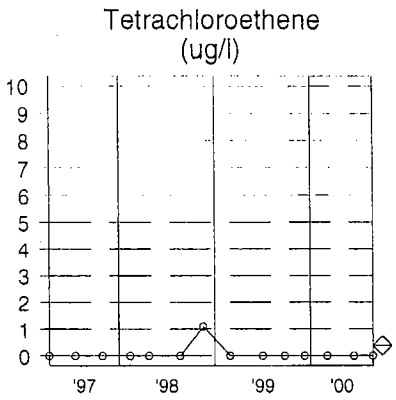
Stream 3 is Fresh-Water.
MeCl limit is 2.49 ug/L.
PCE limit is 0.388 ug/L.

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:

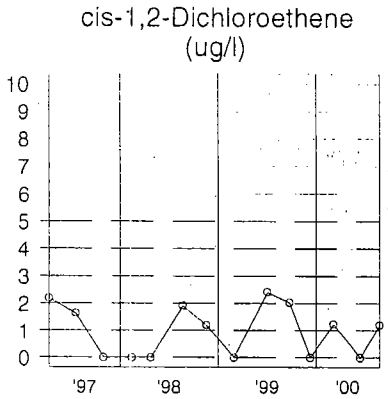
PAGE 1 OF 1
Stream 4 is Salt-Water.
MTBE limit is NLE
cis-1,2-Di limit is NLE
TCE limit is 81
PCE limit is 4.29

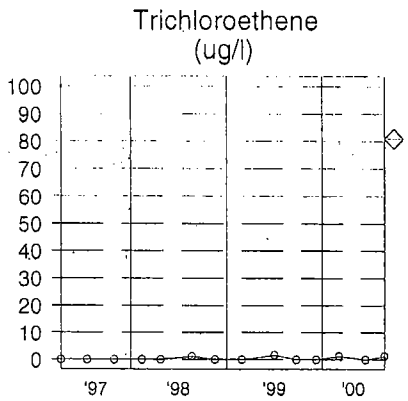
Fort Monmouth

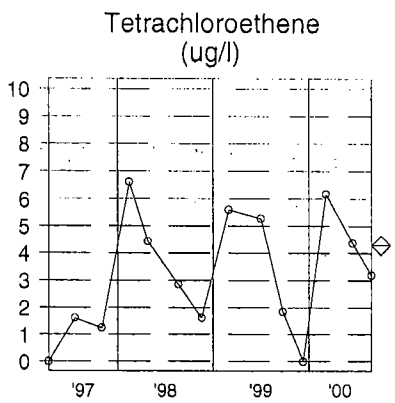
GW Monitoring
Streams

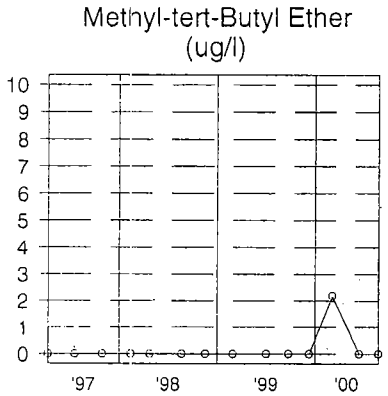
Source 2 of 23

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









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

	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:

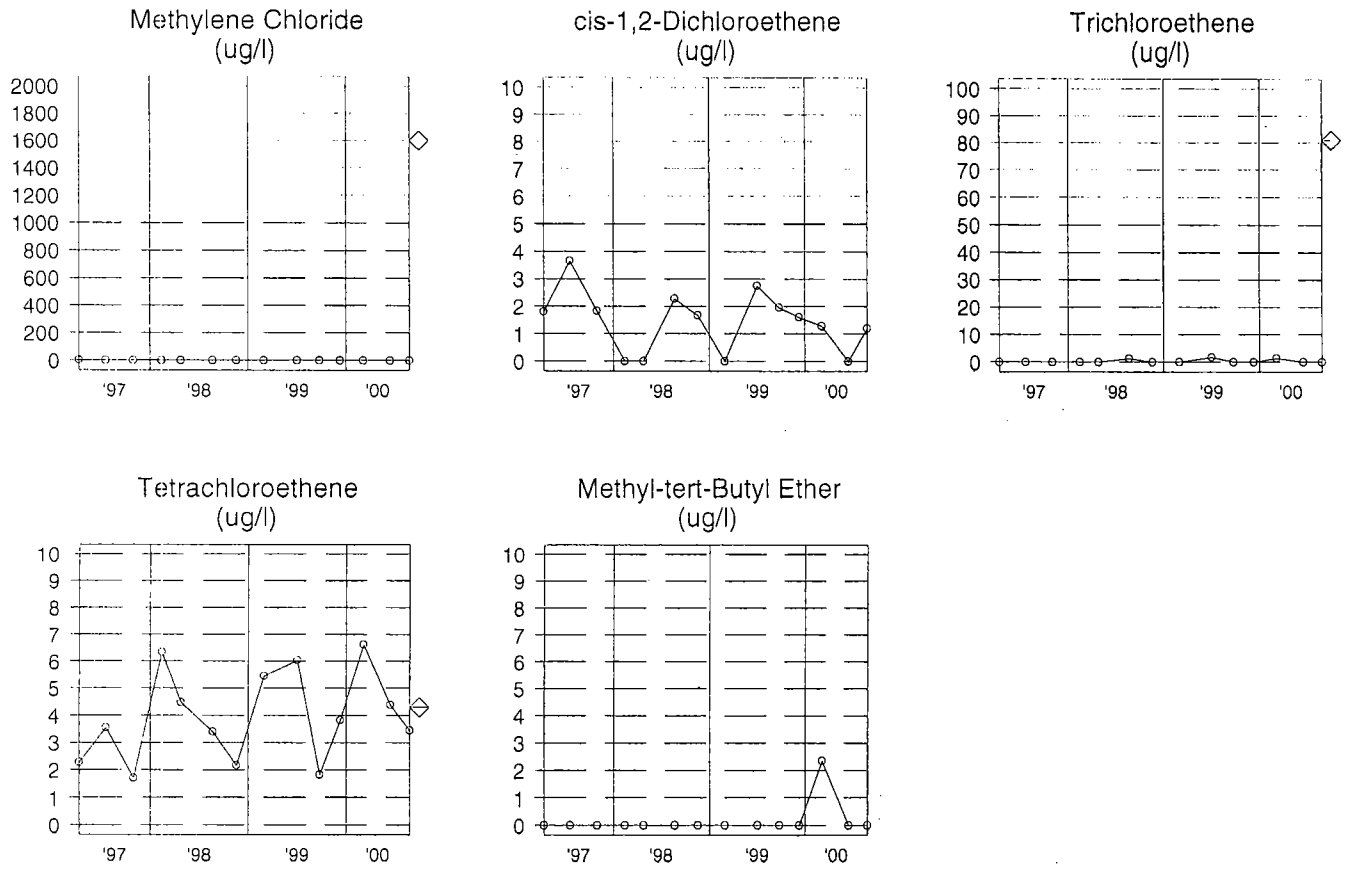
Page 1 of 1
Stream 5 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 3 of 23

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



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:

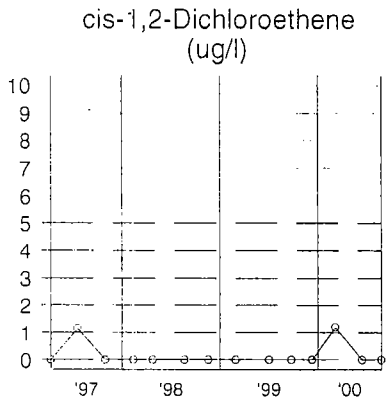
Page 1 of 1
Stream 7 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.
Acetone limit is NLE.

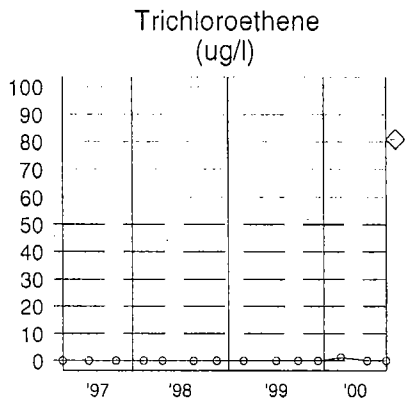
Fort Monmouth

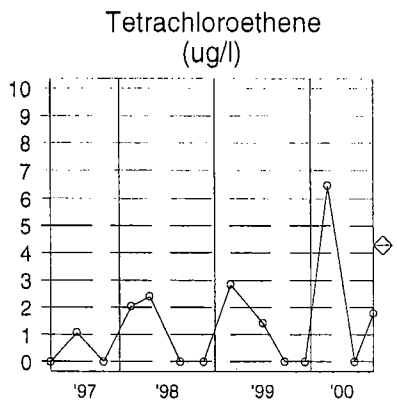
GW Monitoring
Streams

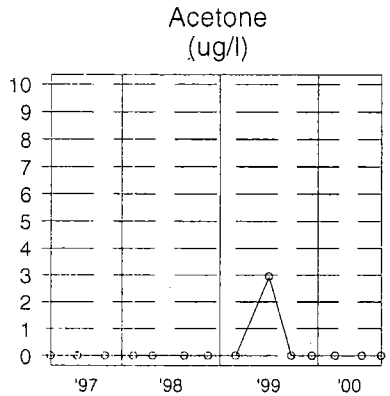
Source 4 of 23

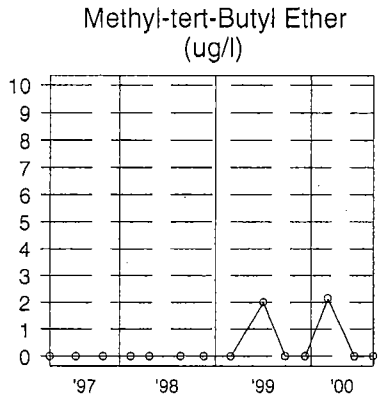
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











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:

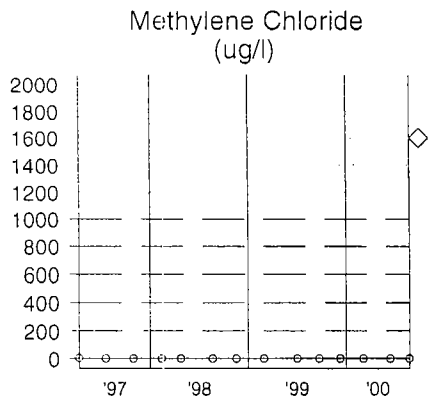
PAGE 1 OF 1
Stream 9 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

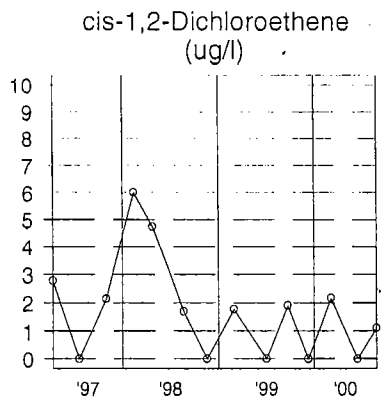
Fort Monmouth

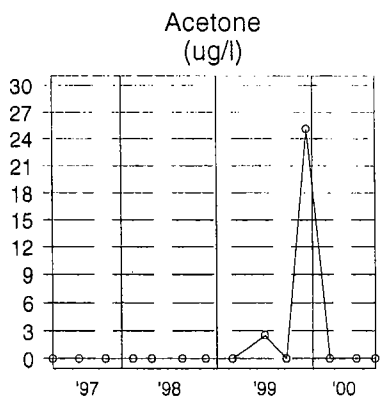
GW Monitoring
Streams

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:

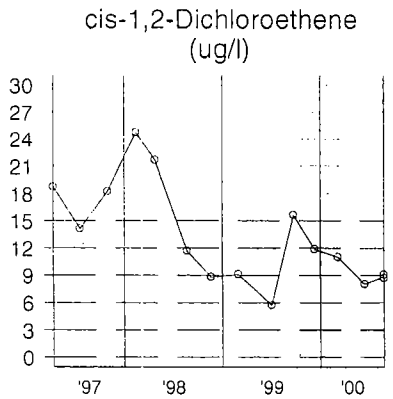
Page 1 of1
Stream 11 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
MTBE limit is NLE.

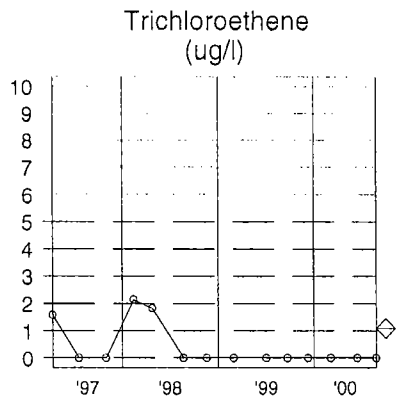
Fort Monmouth

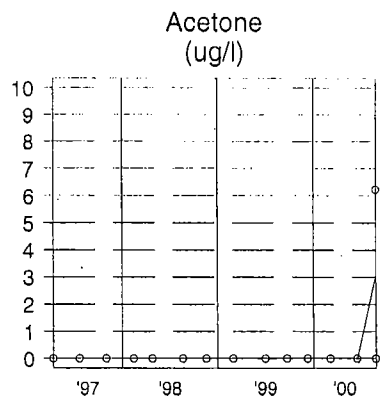
GW Monitoring
Streams

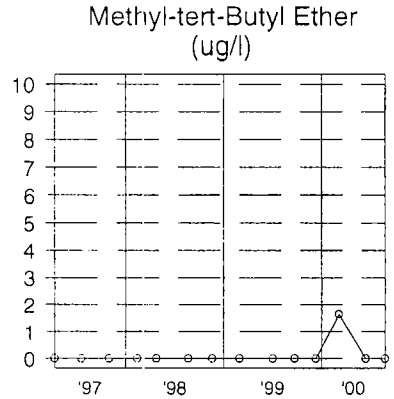
Source 6 of 23

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









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

	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:

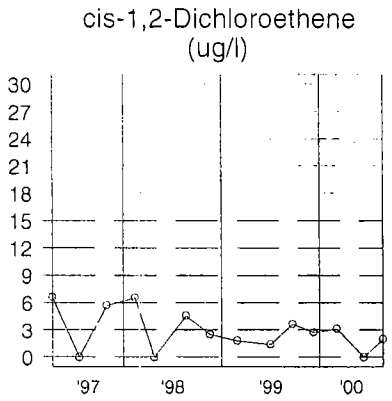
Page 1 of 1
Stream 12 is Fresh-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

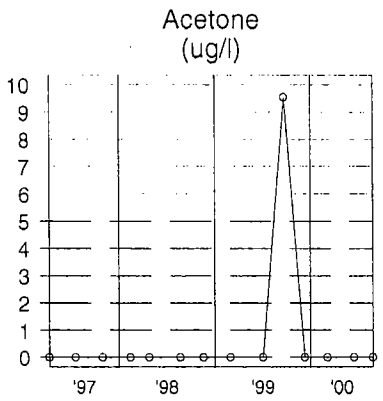
Fort Monmouth

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

	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:

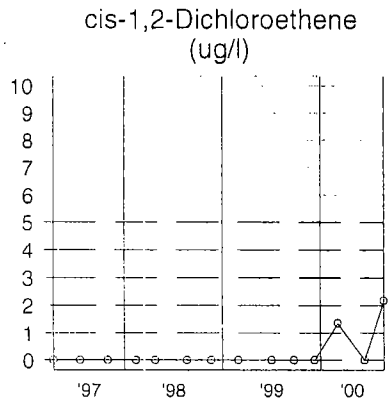
Page 1 of 1
Stream 13 is Fresh-Water.
MeCl limit is 2.49 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
PCE limit is 0.388 ug/L.
Acetone limit is NLE.
MTBE limit is NLE.

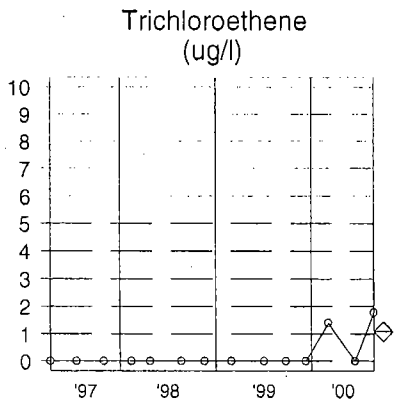
Fort Monmouth

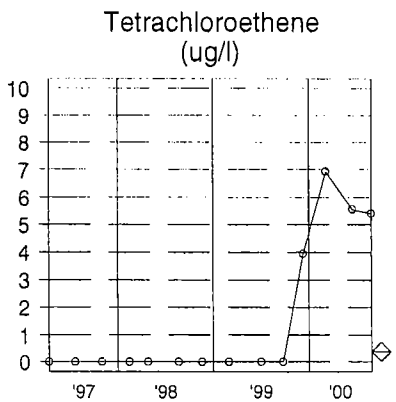
GW Monitoring
Streams

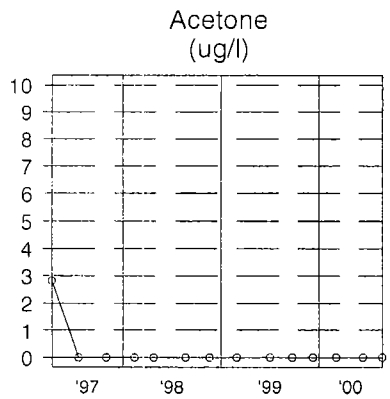
Source 8 of 23

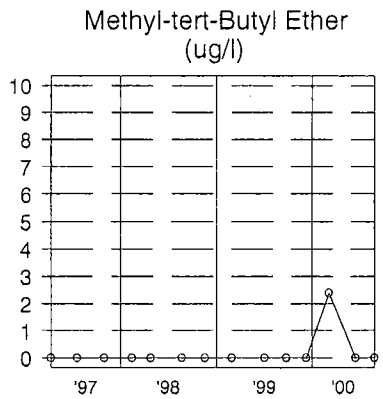
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











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-di chloro ethene	Trichloro ethene	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:

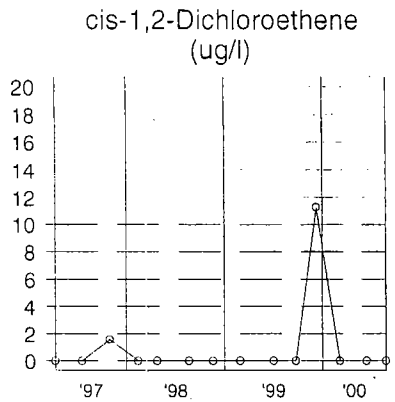
Page 1 of 1
Stream 14 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
Acetone limit is NLE.

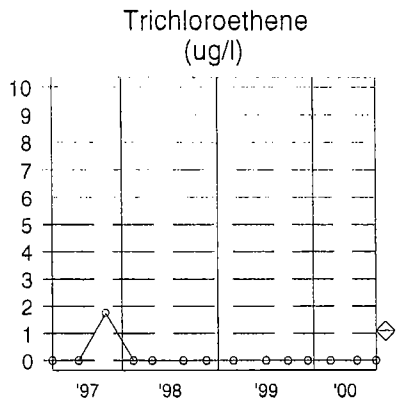
Fort Monmouth

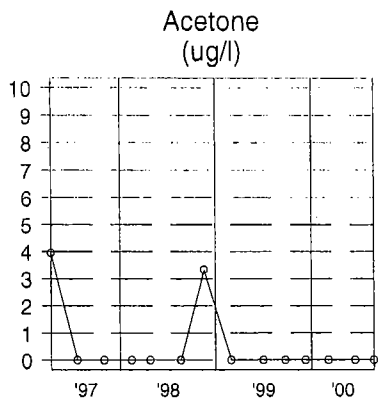
GW Monitoring
Streams

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

	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.

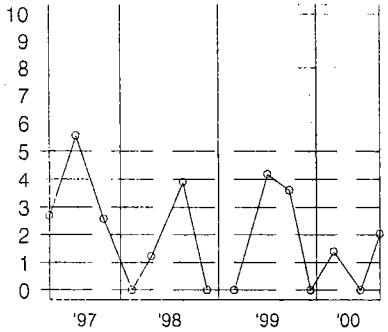
Fort Monmouth

GW Monitoring
Streams

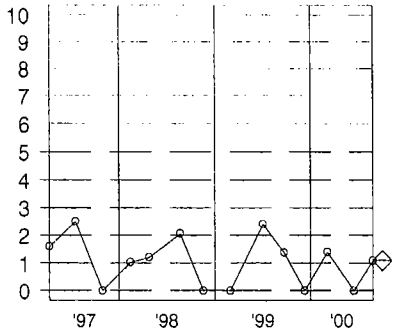
Source 10 of 23

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

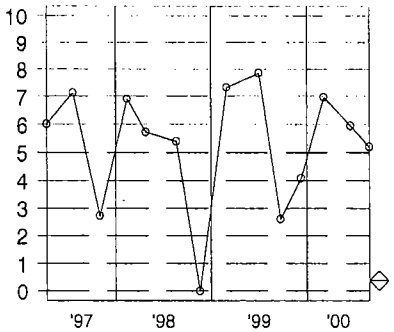
cis-1,2-Dichloroethene
(ug/l)



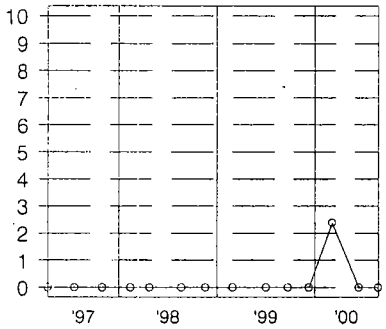
Trichloroethene
(ug/l)



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

	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.

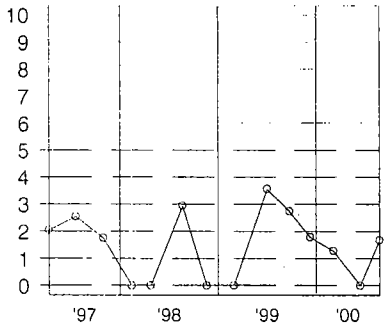
Fort Monmouth

GW Monitoring
Streams

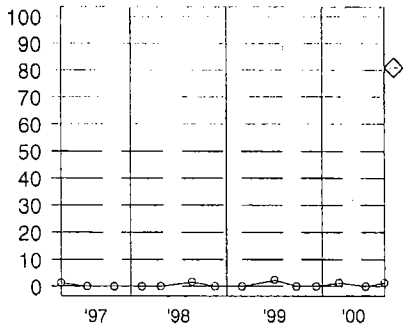
Source 11 of 23

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

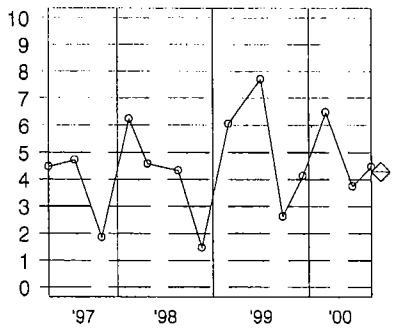
cis-1,2-Dichloroethene
(ug/l)



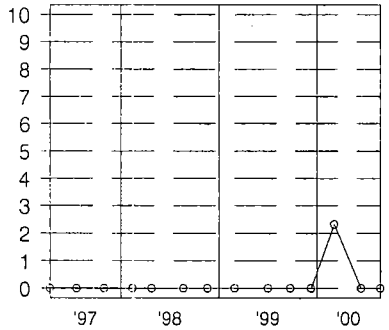
Trichloroethene
(ug/l)



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

	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:

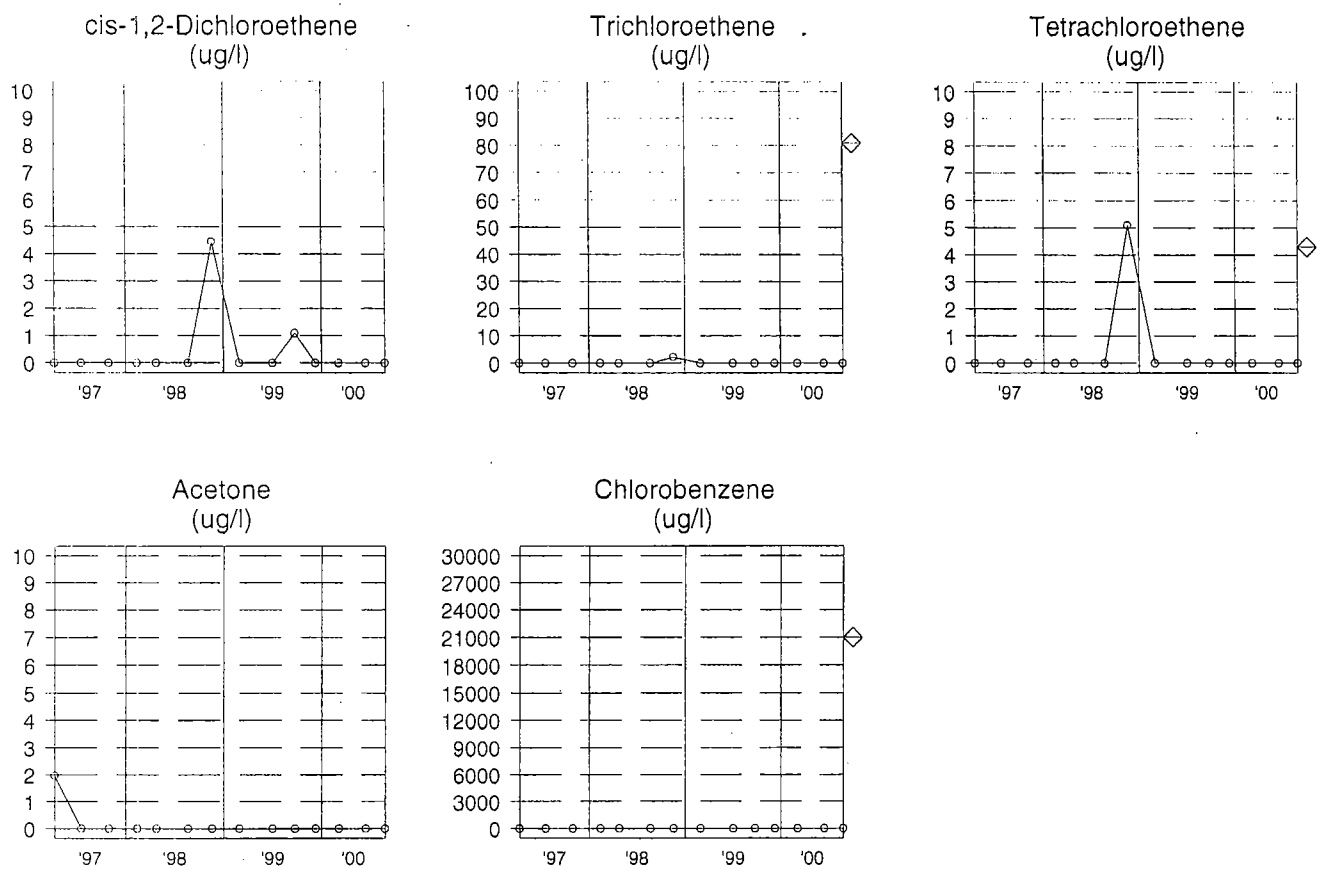
Page 1 of 1
stream 17 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
Acetone limit is NLE.
Chlorobenzene limit is 21000 ug/L.

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

	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:

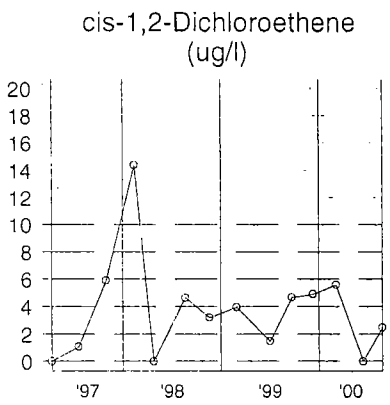
Page 1 of 1
Stream 18 is Fresh-Water.
cis-1,2-Di limit is NLE.

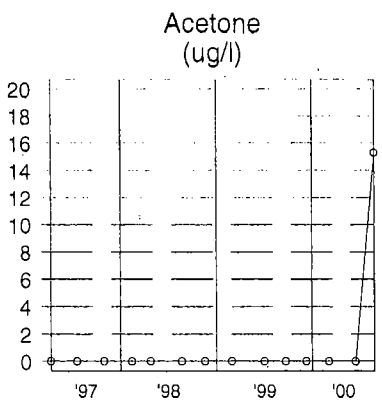
Fort Monmouth

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

	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:

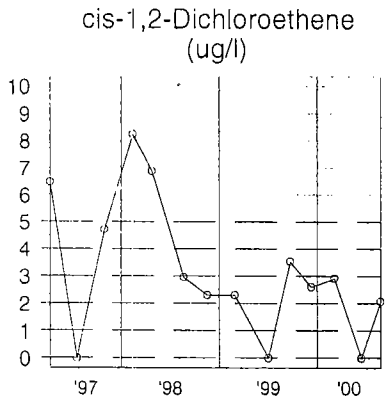
Page 1 of 1
Stream 19 is Salt-Water.
cis-1,2-Di limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 14 of 23

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



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

	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:

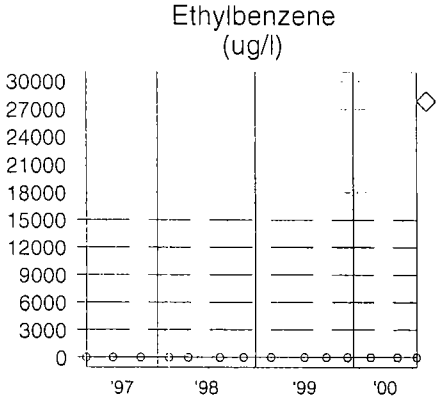
Page 1 of 1
Stream20 is Salt-Water.
Ethylben limit is 27900 ug/L.
MTBE limit is NLE.

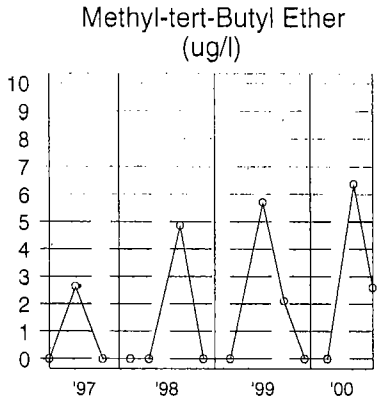
Fort Monmouth

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:

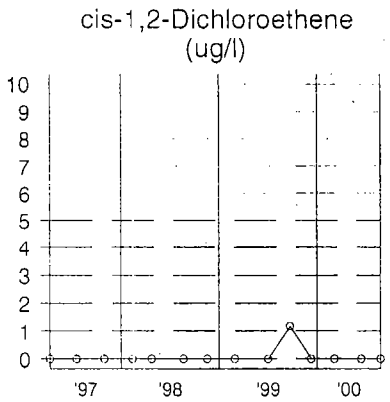
Page 1 of 1
Sream 21 is Salt-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.
MTBE limit is NLE.

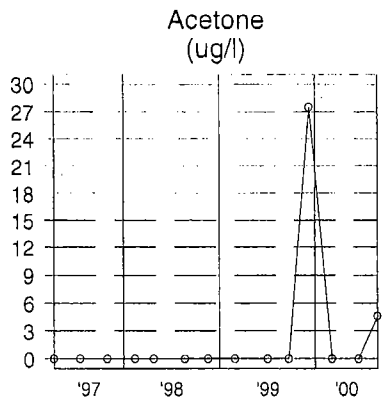
Fort Monmouth

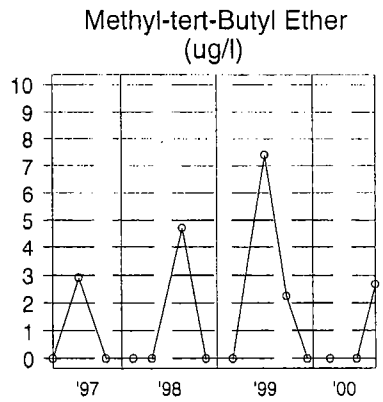
GW Monitoring
Streams

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

	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:

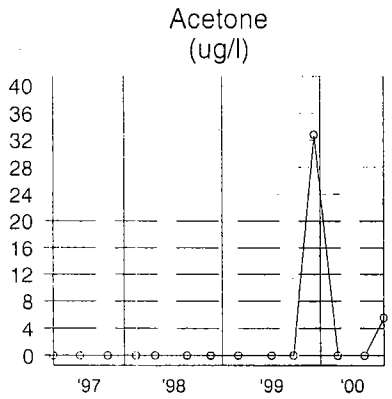
Page 1 of 1
Stream 22 is Salt-Water.
Acetone limit is NLE.
MTBE limit is NLE.

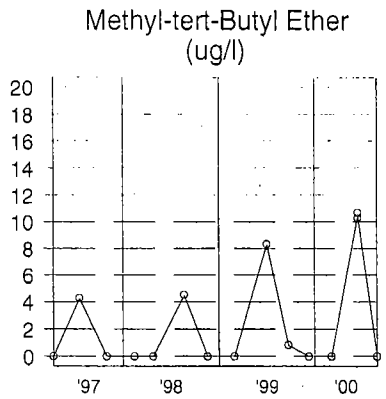
Fort Monmouth

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

	Lab	cis-1,2-di chloro 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:

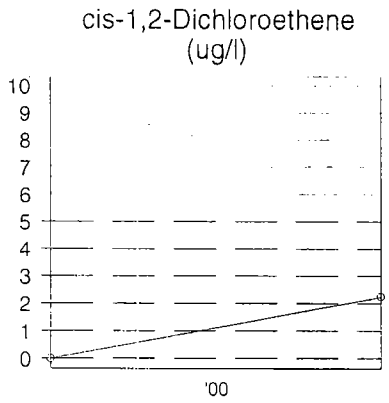
Page 1 of 1
Stream 23 is Fresh-Water

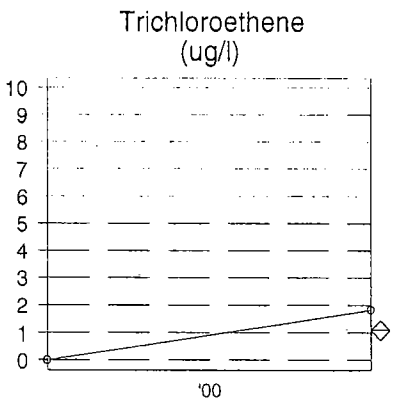
Fort Monmouth

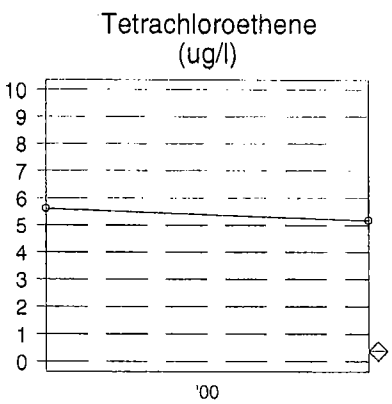
GW Monitoring
Streams

Source 18 of 23

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







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-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	4.72
08/24/2000	FMETL	1.54	1.41	4.33

SOURCE: 24

Sampling Dates:
06/12/2000 - 08/24/2000

NOTES:

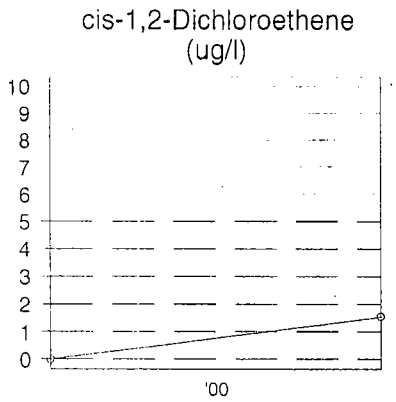
Page 1 of 2
Stream 24 is Fresh-Water

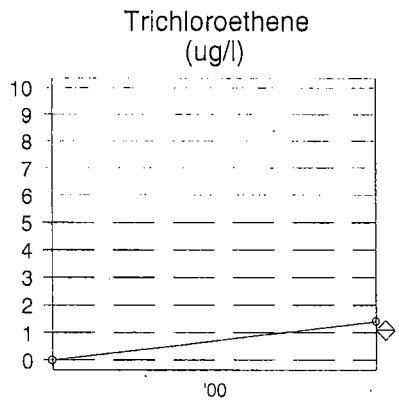
Fort Monmouth

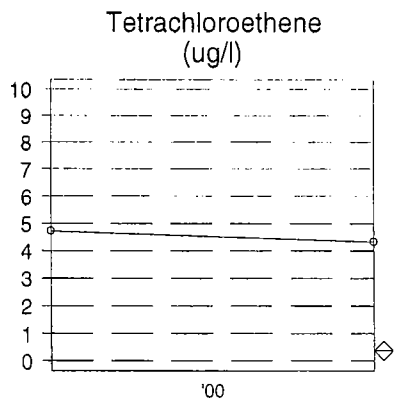
GW Monitoring
Streams

Source 19 of 23

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







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

	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

	Lab	Tetrachloro ethene
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:

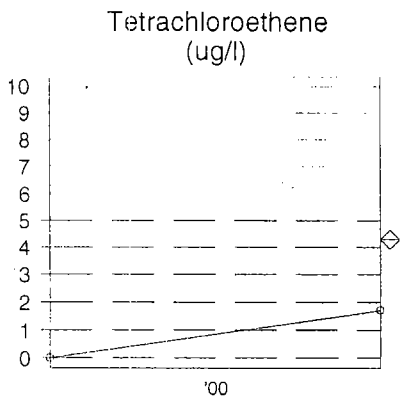
Page 1 of 1
Stream 27 is Salt Water.

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:

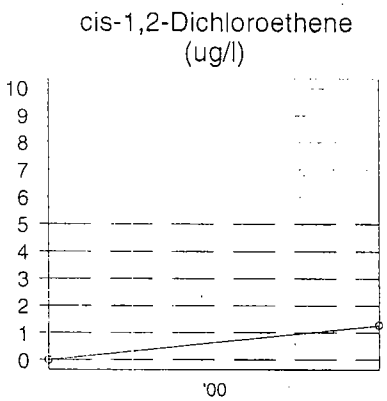
Page 1 of 1
Stream 28 is Salt-Water
cis-1,2-Dichloroethene limit is NLE
TCE limit is 81
PCE limit is 4.29

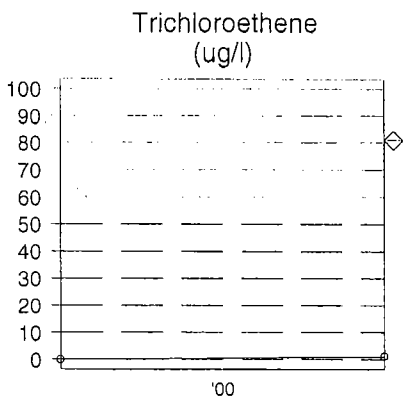
Fort Monmouth

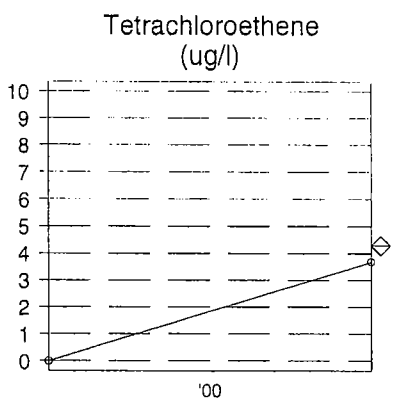
GW Monitoring
Streams

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

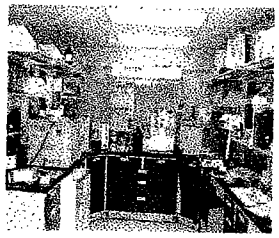
Source 23 of 23, Graph

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

12-08-00

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 #: X2626223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: Streams 4th Qtr '00

Samplers Name / Company: Corey McCormack, TUS

Analysis Parameters: Volatiles, PCB, T. Coli, NH_3/NO_3, PO_4/SO_4, °C Temp, pH su, Dissolved Oxy

Comments: HCL/H_2SO_4/24°C

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.O. 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	7.80	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

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	11/27/00 1300	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
		[signature]			

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

Remarks: Tide; H→L

print legibly

Coc.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

Analysis Parameters: VOTIS, PCB, T. Coli, NH_3/NO_3, PO_4/SO_4, Temp °C, pH su, Dissolved Oxy

Comments: HCL/H_2SO_4/4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOTIS	PCB	T. Coli	NH_3/NO_3	PO_4/SO_4	Temp °C	pH su	Dissolved Oxy	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	[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, ( )EDD
Turnaround time: (✓)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

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

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

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

Qualifiers

B = Compound found in related blank
E = 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

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

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-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#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

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-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#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

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

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

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

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

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

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

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

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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-9

Qualifiers

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

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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

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-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#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

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-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#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

Qualifiers

B = Compound found in related blank
E = 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#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

Qualifiers

B = Compound found in related blank
E = 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#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-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#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-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#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

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-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#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-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#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	Tetrachloro ethene
:	-	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

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04/08/1997 - 11/20/2000

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Stream 3 is Fresh-Water.
MeCl limit is 2.49 ug/L.
PCE limit is 0.388 ug/L.

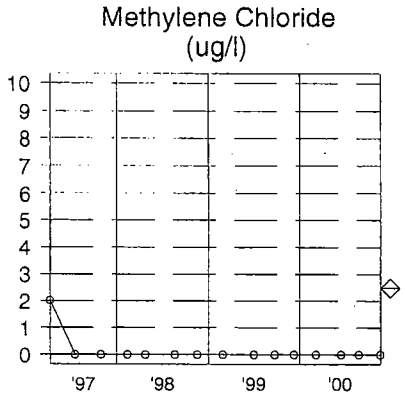
Page 1 of 1

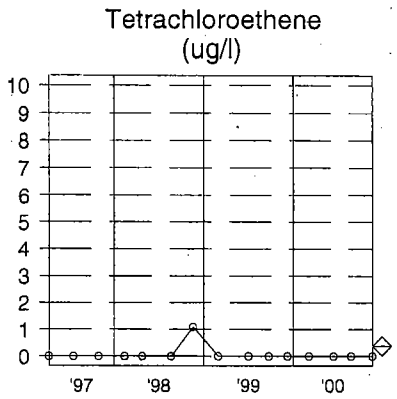
Fort Monmouth

GW Monitoring
Streams

Source 1 of 23

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





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04/08/1997 - 11/20/2000

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 1 of 23, Graph

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

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether
:	-	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

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04/08/1997 - 11/20/2000

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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

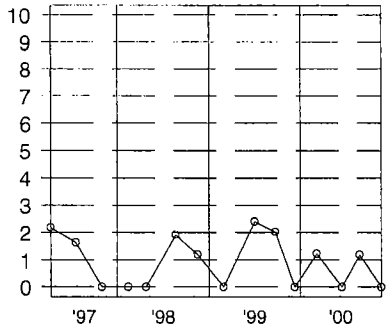
Fort Monmouth

GW Monitoring
Streams

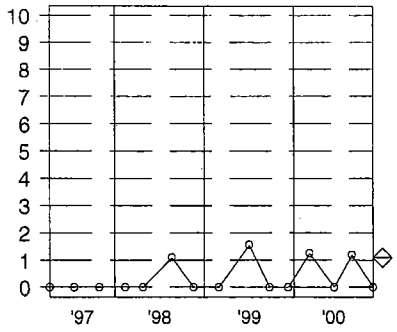
Source 2 of 23

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

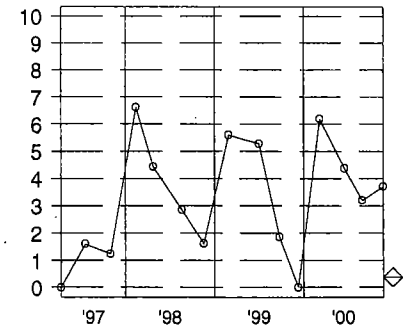
cis-1,2-Dichloroethene
(ug/l)



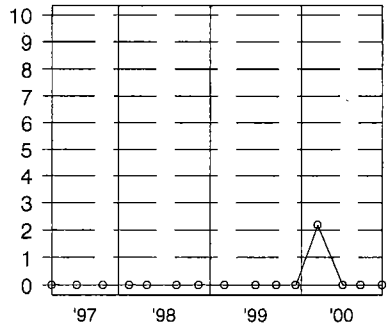
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



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04/08/1997 - 11/20/2000

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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

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04/08/1997 - 11/20/2000

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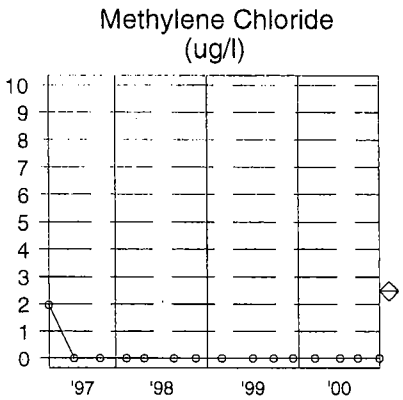
Page 1 of 1
Stream 5 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

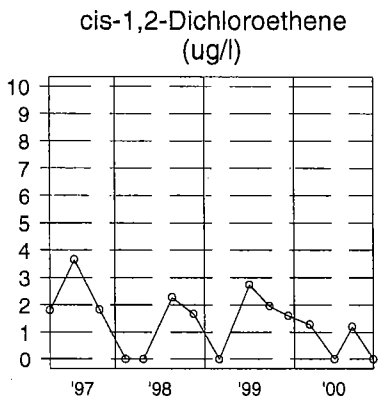
Fort Monmouth

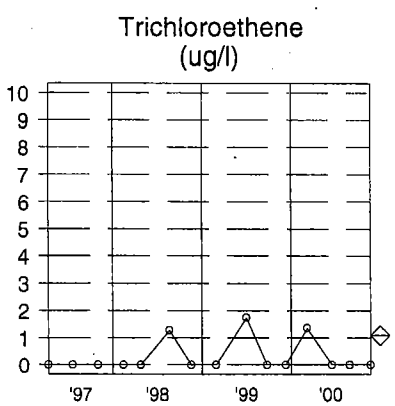
GW Monitoring
Streams

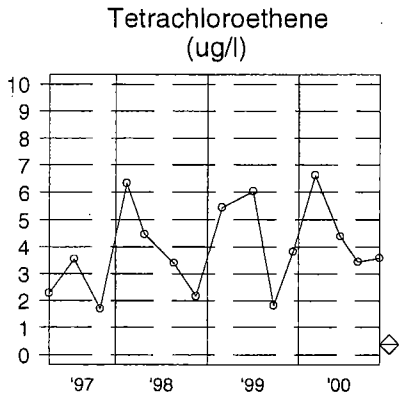
Source 3 of 23

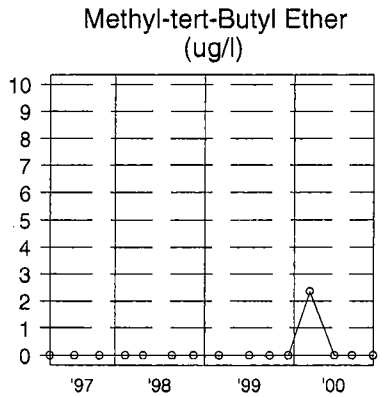
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











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04/08/1997 - 11/20/2000

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 3 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	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

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04/08/1997 - 11/20/2000

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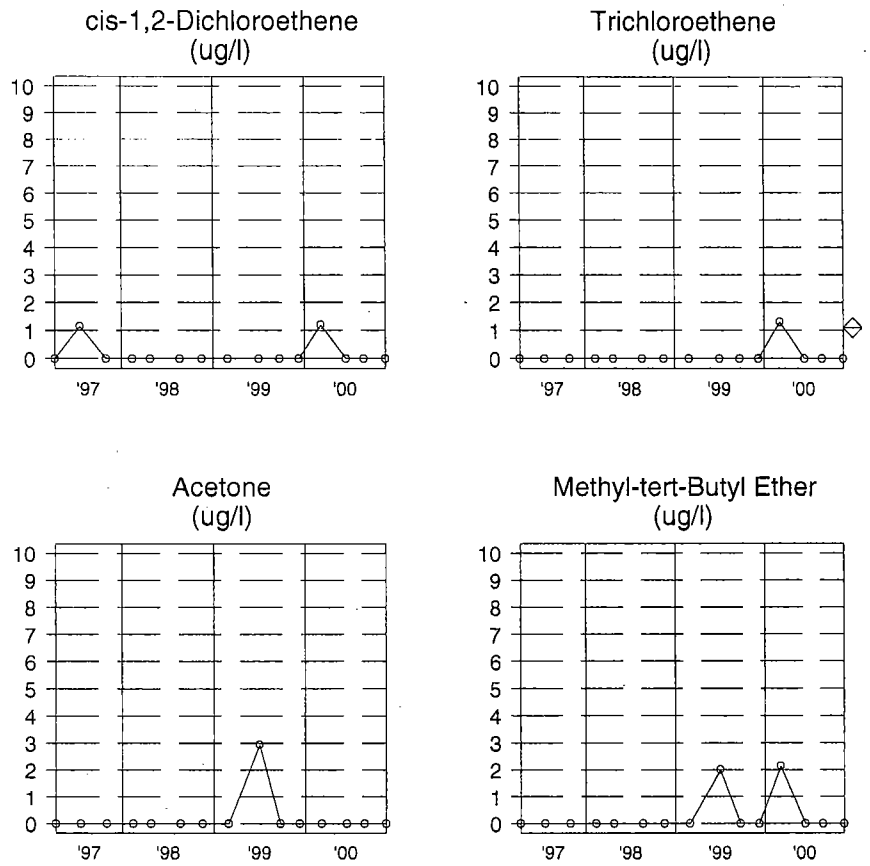
Page 1 of 1
Stream 7 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.
Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

Source 4 of 23

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



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04/08/1997 - 11/20/2000

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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

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04/08/1997 - 11/20/2000

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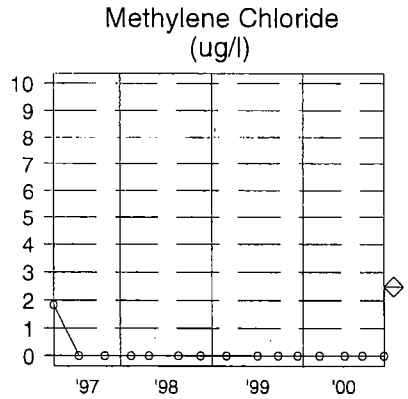
PAGE 1 OF 1
Stream 9 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

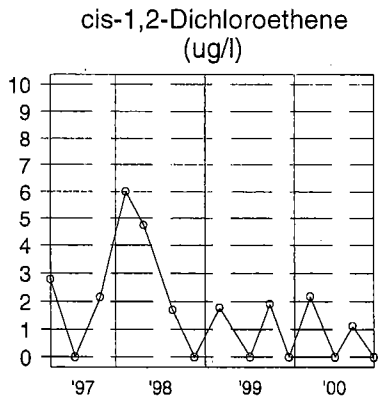
Fort Monmouth

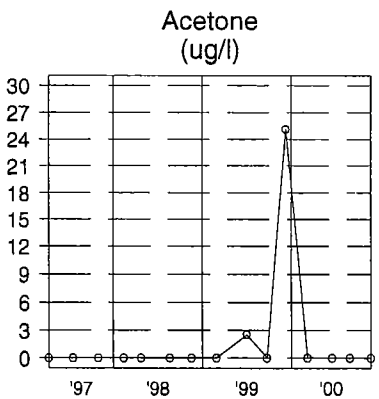
GW Monitoring
Streams

Source 5 of 23

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







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04/08/1997 - 11/20/2000

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 5 of 23, Graph

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

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	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

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04/08/1997 - 11/20/2000

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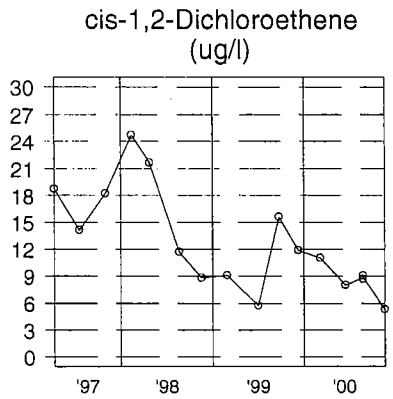
Page 1 of1
Stream 11 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
MTBE limit is NLE.

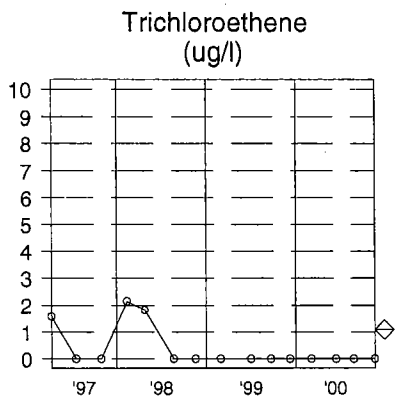
Fort Monmouth

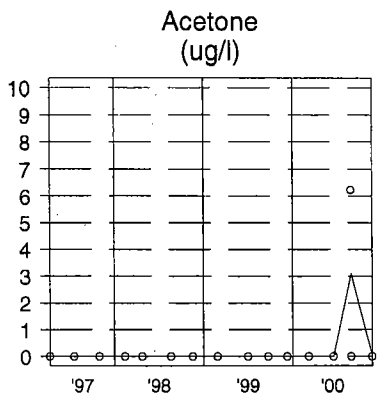
GW Monitoring
Streams

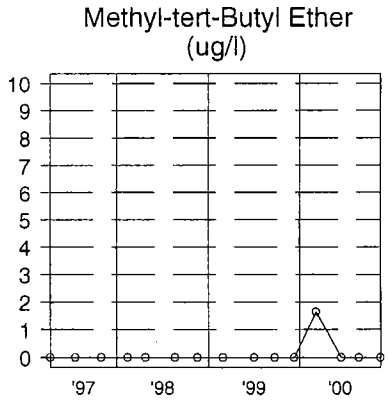
Source 6 of 23

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









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04/08/1997 - 11/20/2000

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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

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04/08/1997 - 11/20/2000

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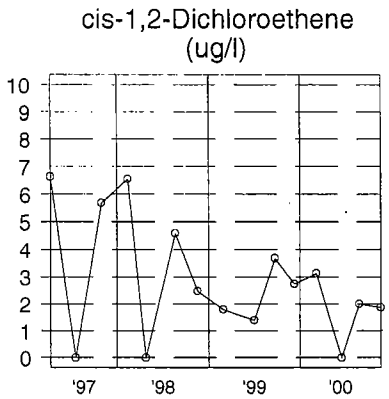
Page 1 of 1
Stream 12 is Fresh-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.

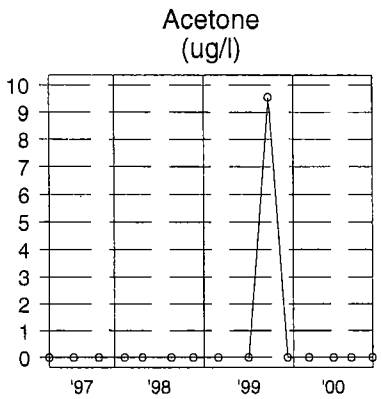
Fort Monmouth

GW Monitoring
Streams

Source 7 of 23

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





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04/08/1997 - 11/20/2000

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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
:	-	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

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04/08/1997 - 11/20/2000

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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.

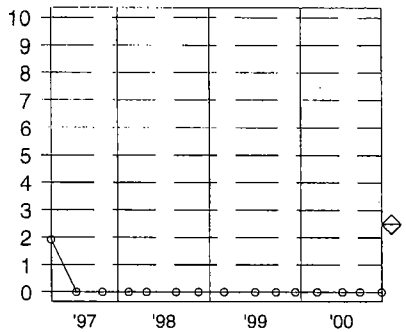
Fort Monmouth

GW Monitoring
Streams

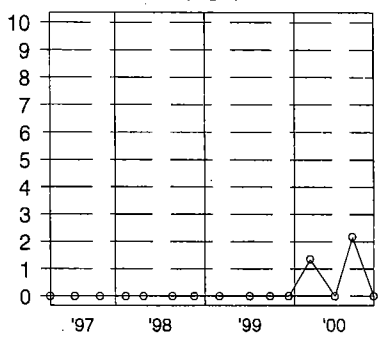
Source 8 of 23

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

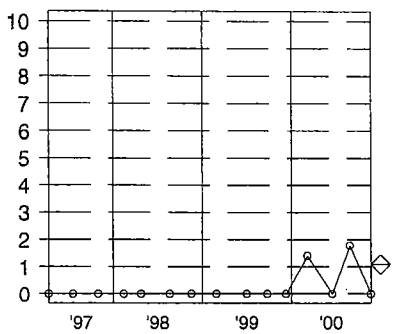
Methylene Chloride
(ug/l)



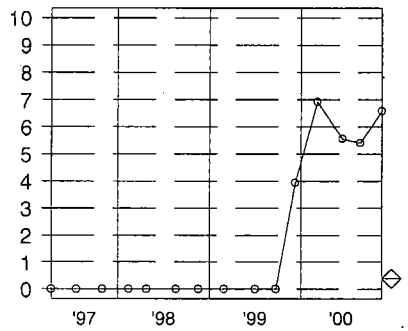
cis-1,2-Dichloroethene
(ug/l)



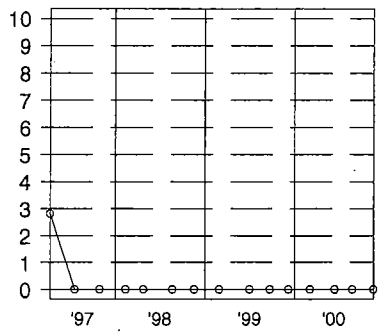
Trichloroethene
(ug/l)



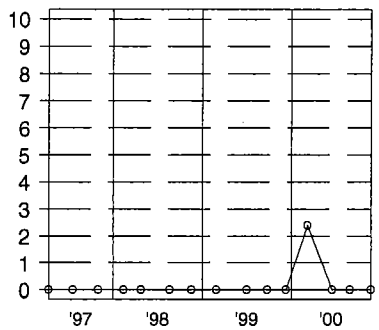
Tetrachloroethene
(ug/l)



Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



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04/08/1997 - 11/20/2000

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 8 of 23, Graph

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

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	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

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04/08/1997 - 11/20/2000

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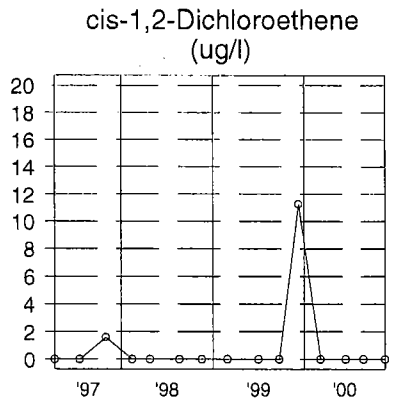
Page 1 of 1
Stream 14 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
Acetone limit is NLE.

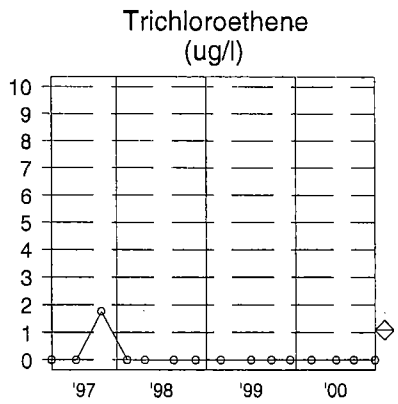
Fort Monmouth

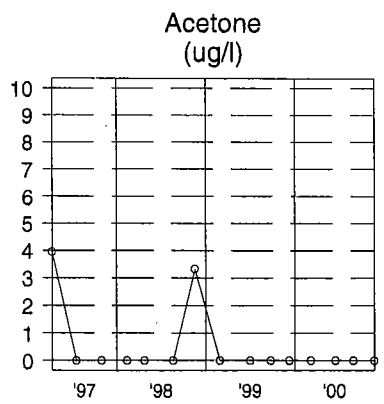
GW Monitoring
Streams

Source 9 of 23

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







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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 9 of 23, Graph

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

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	Methyl-tert Butyl ether
:	-	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

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04/08/1997 - 11/20/2000

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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.

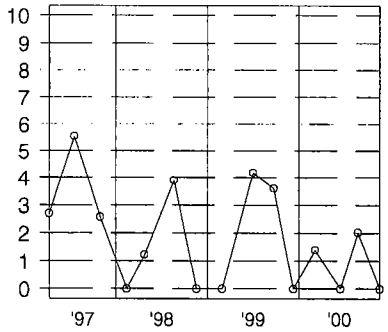
Fort Monmouth

GW Monitoring
Streams

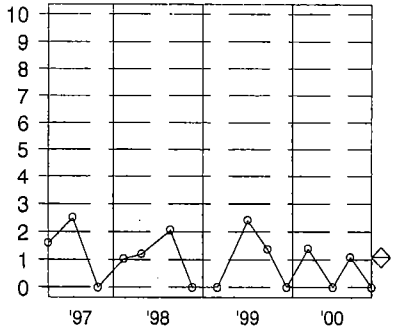
Source 10 of 23

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

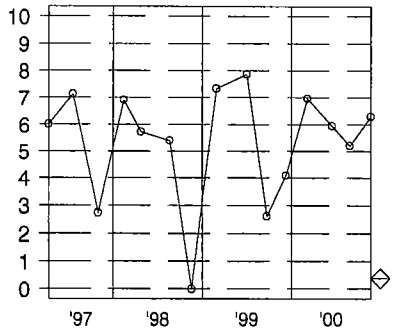
cis-1,2-Dichloroethene
(ug/l)



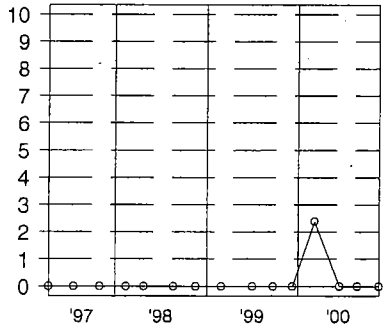
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



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04/08/1997 - 11/20/2000

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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-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	2.05	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

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04/08/1997 - 11/20/2000

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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.

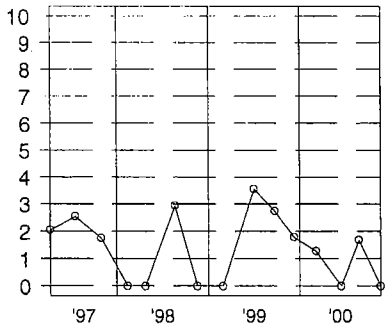
Fort Monmouth

GW Monitoring
Streams

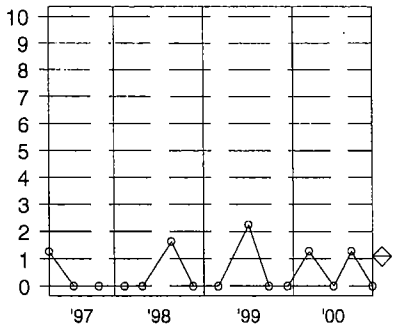
Source 11 of 23

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

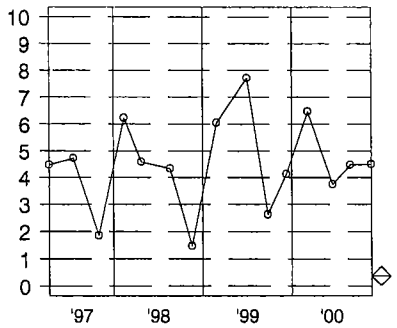
cis-1,2-Dichloroethene
(ug/l)



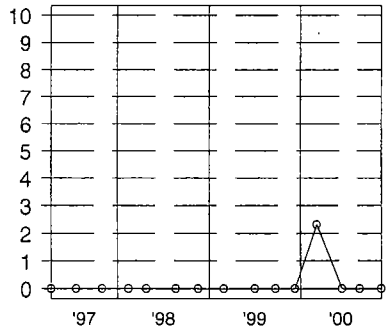
Trichloroethene
(ug/l)



Tetrachloroethene
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



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04/08/1997 - 11/20/2000

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 11 of 23, Graph

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

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene	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

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04/08/1997 - 11/20/2000

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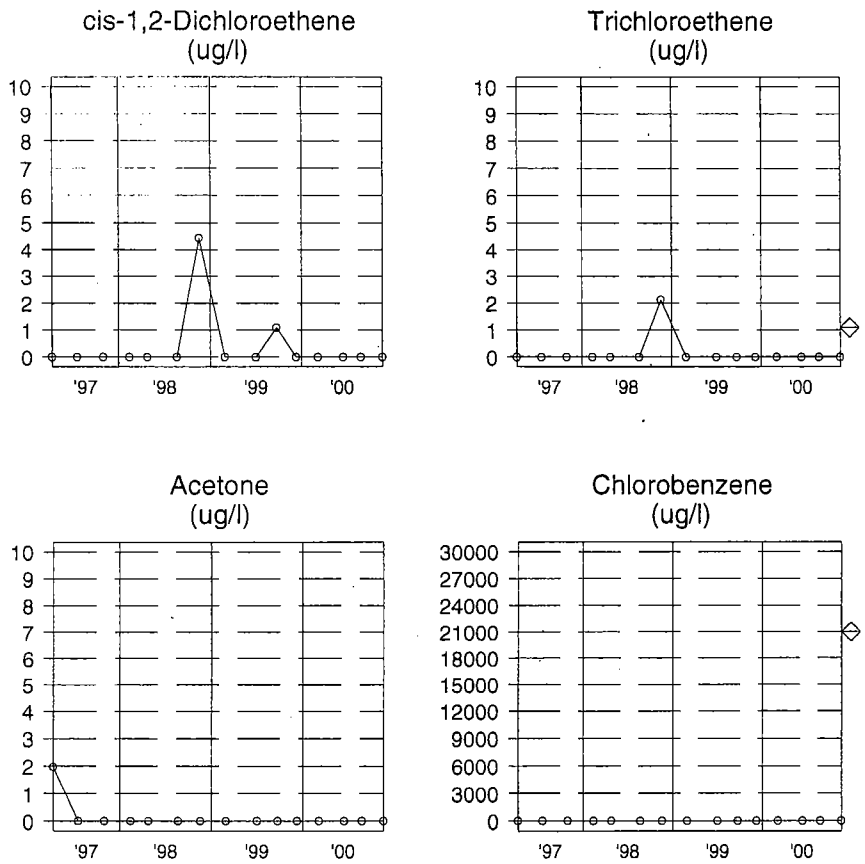
Page 1 of 1
stream 17 is Salt-Water.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
Acetone limit is NLE.
Chlorobenzene limit is 21000 ug/L.

Fort Monmouth

GW Monitoring
Streams

Source 12 of 23

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



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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 12 of 23, Graph

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

	Lab	cis-1,2-di chloro ethene	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

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04/08/1997 - 11/20/2000

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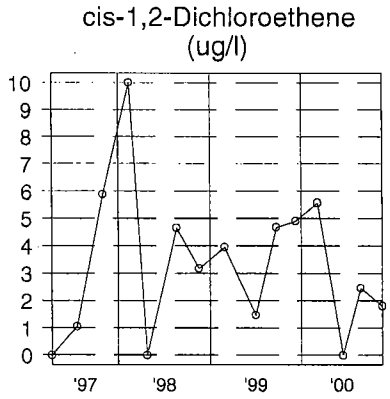
Page 1 of 1
Stream 18 is Fresh-Water.
cis-1,2-Dl limit is NLE.

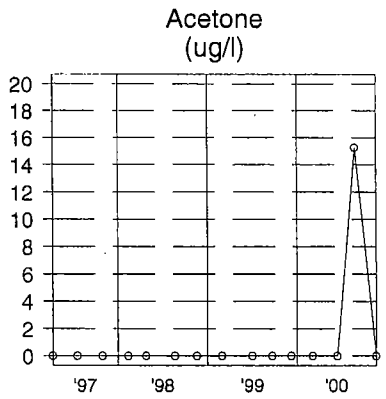
Fort Monmouth

GW Monitoring
Streams

Source 13 of 23

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





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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 13 of 23, Graph

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

	Lab	cis-1,2-di chloro ethene	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

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04/08/1997 - 11/20/2000

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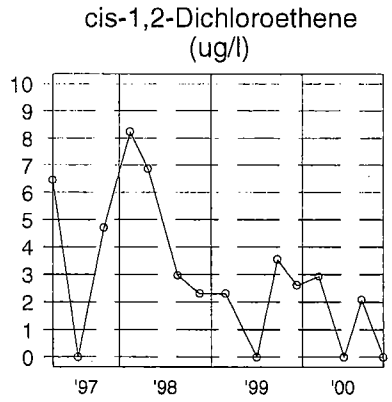
Page 1 of 1
Stream 19 is Salt-Water.
cis-1,2-Di limit is NLE.

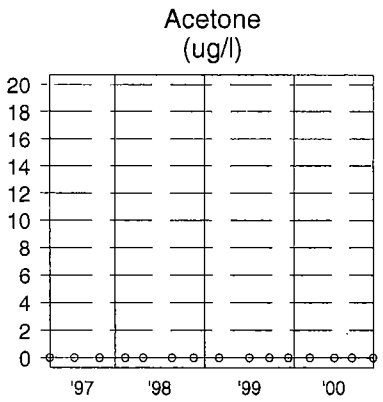
Fort Monmouth

GW Monitoring
Streams

Source 14 of 23

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





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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

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04/08/1997 - 11/20/2000

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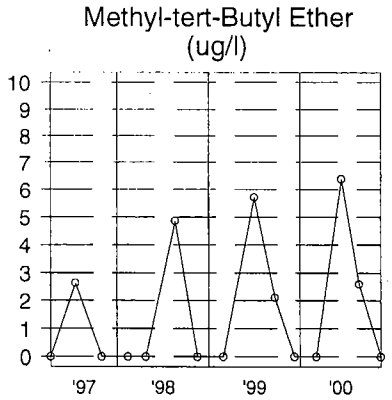
Page 1 of 1
Stream20 is Salt-Water.
Ethylben limit is 27900 ug/L.
MTBE limit is NLE.

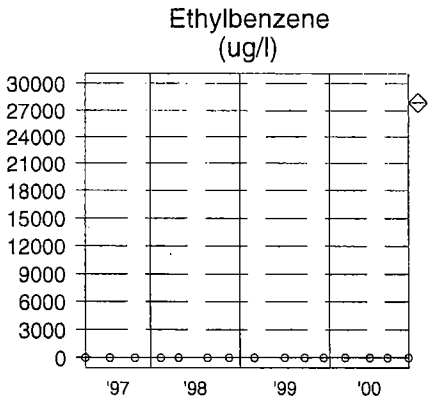
Fort Monmouth

GW Monitoring
Streams

Source 15 of 23

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





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04/08/1997 - 11/20/2000

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 15 of 23, Graph

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

	Lab	cis-1,2-di chloro ethene	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

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04/08/1997 - 11/20/2000

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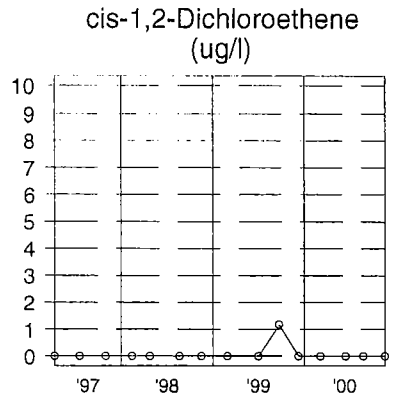
Page 1 of 1
Sream 21 is Salt-Water.
cis-1,2-Di limit is NLE.
Acetone limit is NLE.
MTBE limit is NLE.

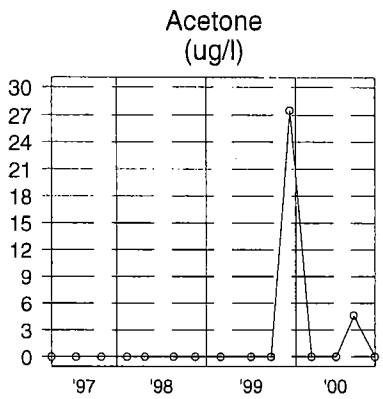
Fort Monmouth

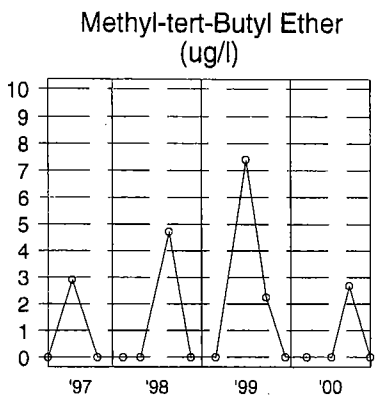
GW Monitoring
Streams

Source 16 of 23

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







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04/08/1997 - 11/20/2000

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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

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04/08/1997 - 11/20/2000

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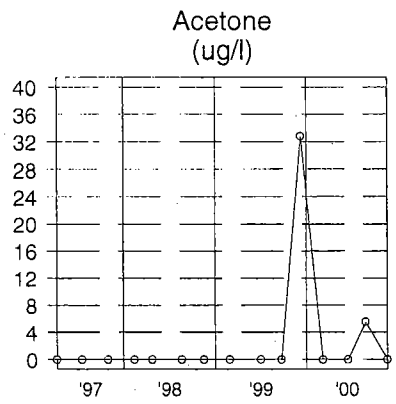
Page 1 of 1
Stream 22 is Salt-Water.
Acetone limit is NLE.
MTBE limit is NLE.

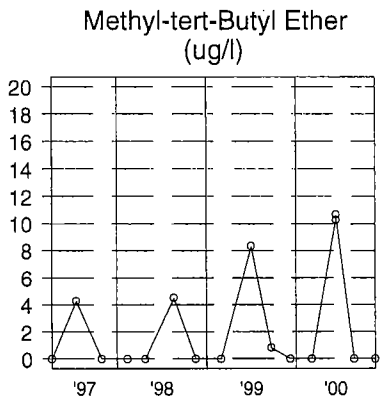
Fort Monmouth

GW Monitoring
Streams

Source 17 of 23

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





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04/08/1997 - 11/20/2000

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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-di chloro ethene	Trichloro ethene	Tetrachloro ethene
:	-	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

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06/12/2000 - 11/20/2000

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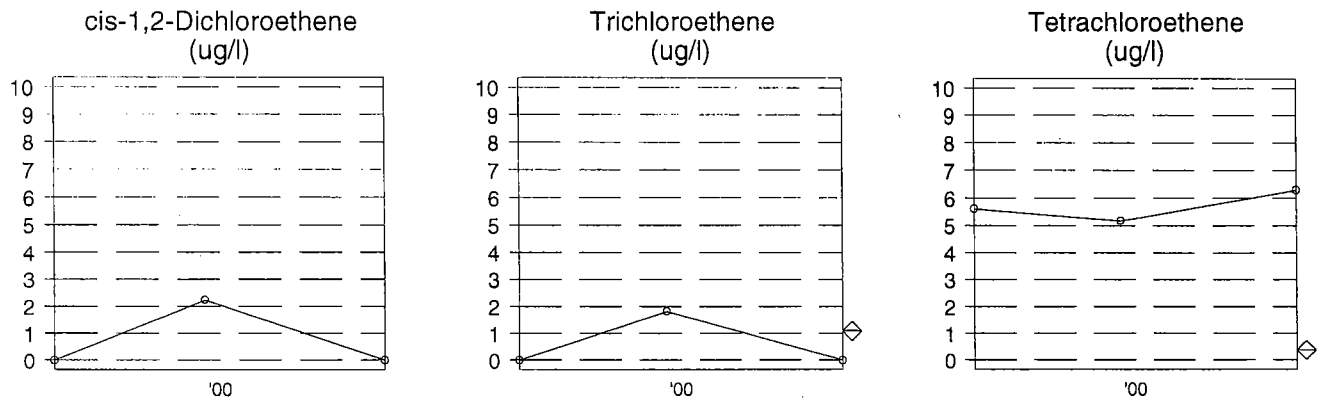
Page 1 of 1
Stream 23 is Fresh-Water

Fort Monmouth

GW Monitoring
Streams

Source 18 of 23

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



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06/12/2000 - 11/20/2000

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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-di chloro ethene	Trichloro ethene	Tetrachloro ethene
:	-	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

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06/12/2000 - 11/20/2000

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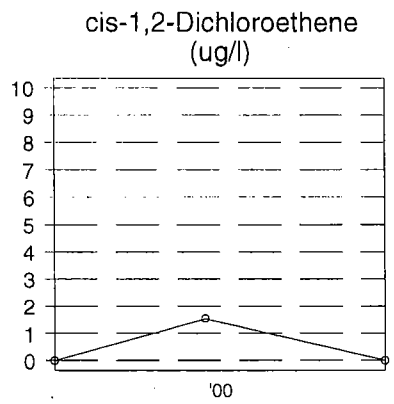
Page 1 of 2
Stream 24 is Fresh-Water

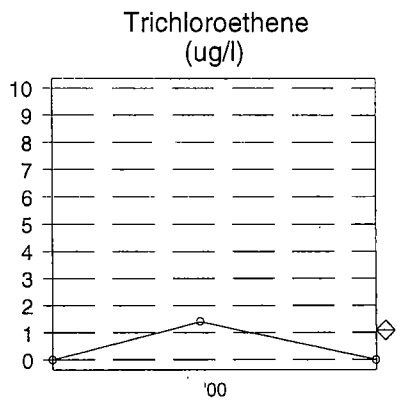
Fort Monmouth

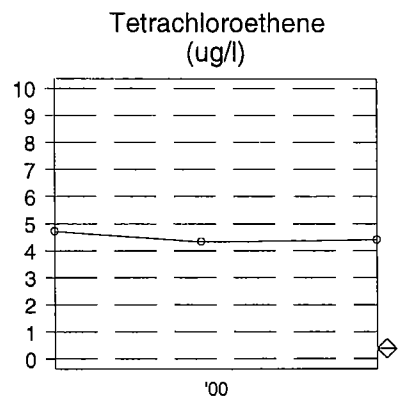
GW Monitoring
Streams

Source 19 of 23

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







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06/12/2000 - 11/20/2000

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 19 of 23, Graph

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

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
:	-	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

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06/12/2000 - 11/20/2000

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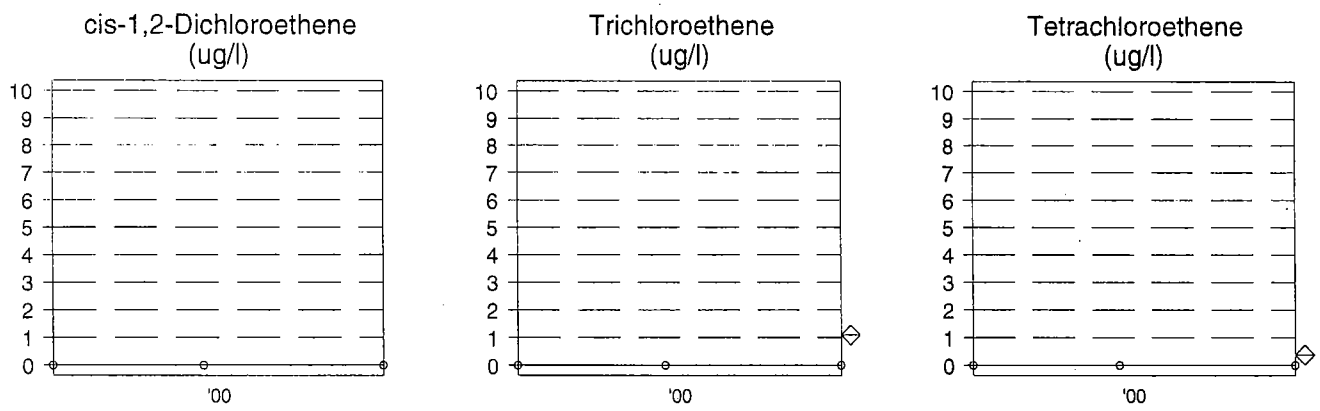
Page 1 of 1
Stream 25 is Salt-Water.

Fort Monmouth

GW Monitoring
Streams

Source 20 of 23

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



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06/12/2000 - 11/20/2000

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 20 of 23, Graph

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

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
:	-	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

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06/12/2000 - 11/20/2000

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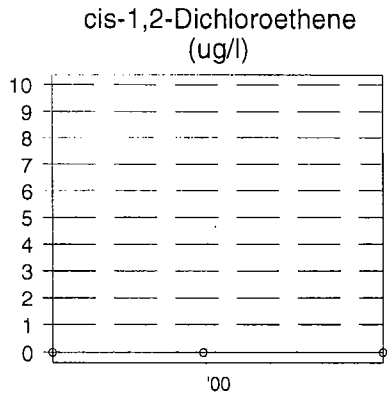
Page 1 of 1
Stream 26 is Fresh-Water

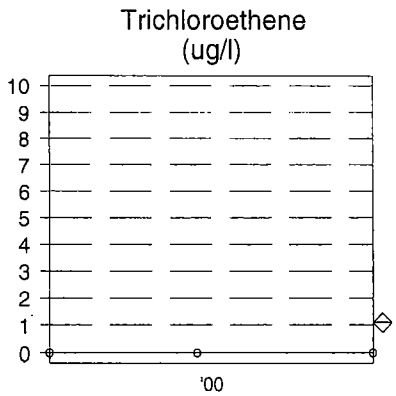
Fort Monmouth

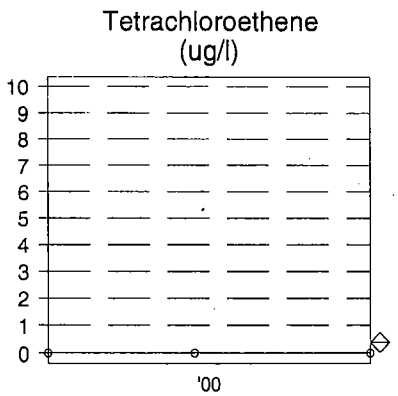
GW Monitoring
Streams

Source 21 of 23

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







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06/12/2000 - 11/20/2000

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NJDEP Criteria

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	Tetrachloro ethene
:	-	ug/l
NJDEP Criteria:	-	0.388
06/12/2000	FMETL	ND
08/24/2000	FMETL	1.72
11/20/2000	FMETL	1.87

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06/12/2000 - 11/20/2000

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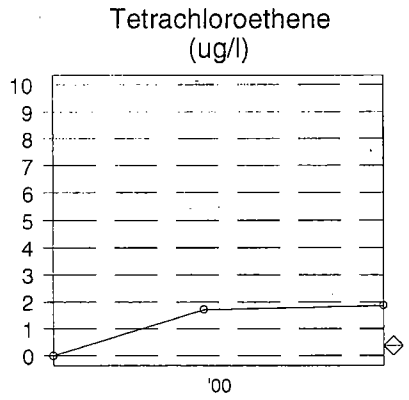
Page 1 of 1
Stream 27 is Salt Water.

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23

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



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06/12/2000 - 11/20/2000

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 22 of 23, Graph

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

	Lab	cis-1,2-di chloro ethene	Trichloro ethene	Tetrachloro ethene
:	-	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

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06/12/2000 - 11/20/2000

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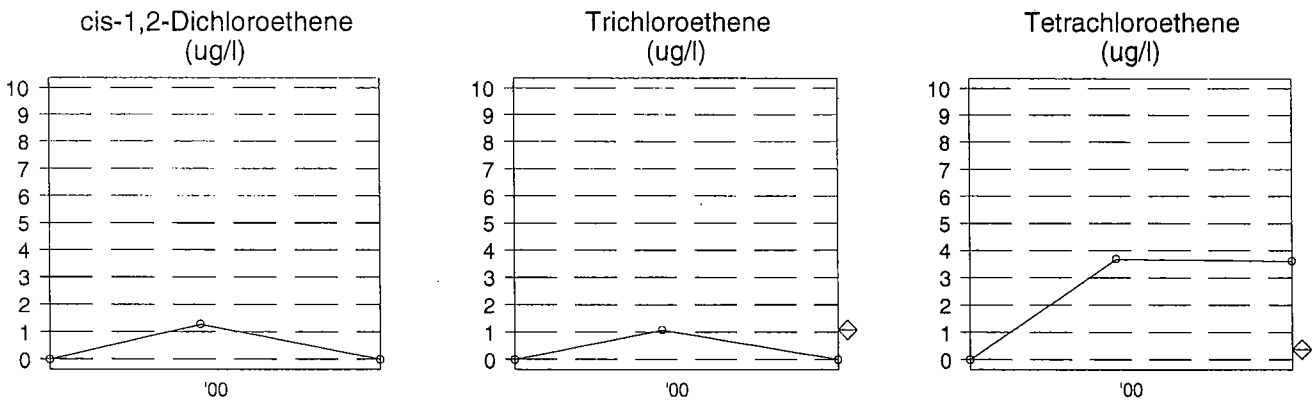
Page 1 of 1
Stream 28 is Salt-Water
cis-1,2-Dichloroethene limit is NLE
TCE limit is 81
PCE limit is 4.29

Fort Monmouth

GW Monitoring
Streams

Source 23 of 23

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



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06/12/2000 - 11/20/2000

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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 Qtr '01

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VOC'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

Lims Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOC's	PCB	T. Coli	NH_3 / NO_3	PO_4 / SO_4	Temp °C	pH SU	Dissolved 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^{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 cloudy
964 .14	#~~16~~ 13		0959			✓	✓	✓	✓	✓	6.7	7.14	8.17	0.0	1.000 cloudy

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):

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: J Fallon
Phone #: X26223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: Streams
Port II 1st Qtr '01

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VOTIS, PCB, T. Coli, NH_3/Hg, PO_4/SO_4, Temp °C, pH SU, Dissolved Oxy

Comments: HCL/H_2SO_4/<4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOTIS	PCB	T. Coli	NH_3/Hg	PO_4/SO_4	Temp °C	pH SU	Dissolved Oxy	Remarks / Preservation Method	
1306 .01	Trip	3/8/01	0745	AQ	2	✓					—	—	—	Salinity	
1307 .02	Field Blank		0850		5	✓	✓		✓	✓	—	—	—	% 0	D 20/22
1308 .03	Dupe		—		6	✓	✓	✓	✓	✓	—	—	—	—	—
1309	SS #5		0949		6	✓	✓	✓	✓	✓	4.1	7.01	8.79	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	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: H → 0
Recent storm, Higher Tides than 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

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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

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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

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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
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PQL = Practical Quantitation Limit

MDL = Method Detection Limit
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R.T. = Retention Time

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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

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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

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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

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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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 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

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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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: Streams Case No.: 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

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

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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

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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

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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

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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

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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

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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

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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

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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

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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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

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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

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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

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

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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

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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

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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

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

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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

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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

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04/08/1997 - 03/08/2001

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Stream 3 is Fresh-Water.
MeCl limit is 2.49 ug/L.
PCE limit is 0.388 ug/L.

Page 1 of 1

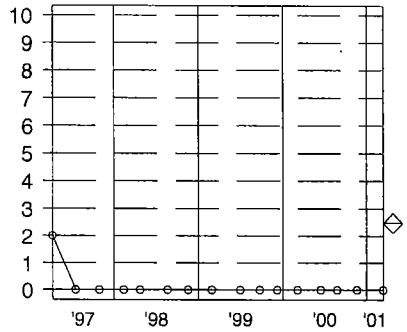
Fort Monmouth

GW Monitoring
Streams

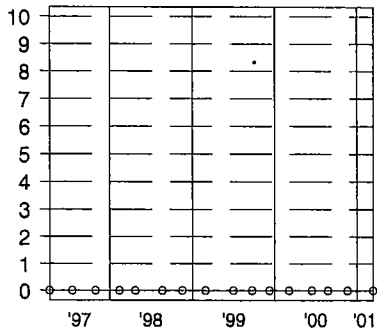
Source 1 of 23

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

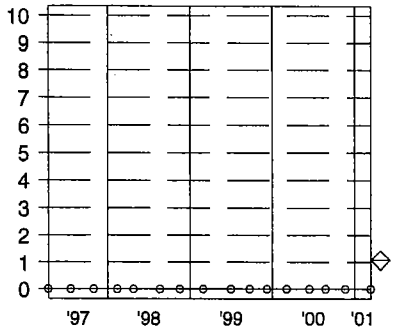
Methylene Chloride
(ug/l)



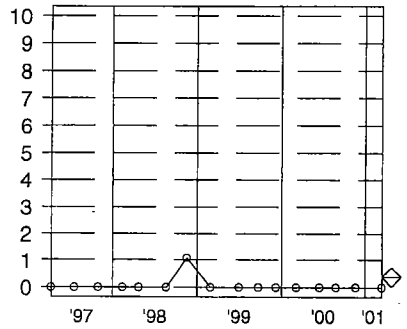
cis-1,2-Dichloroethene
(ug/l)



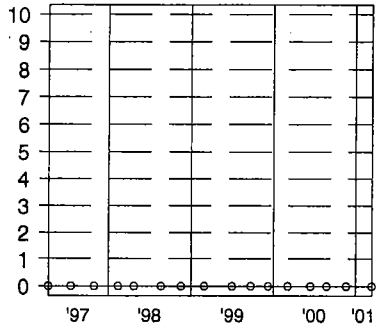
Trichloroethene
(ug/l)



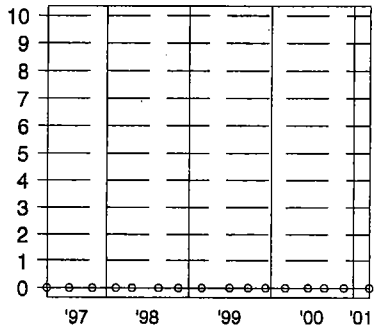
Tetrachloroethene
(ug/l)



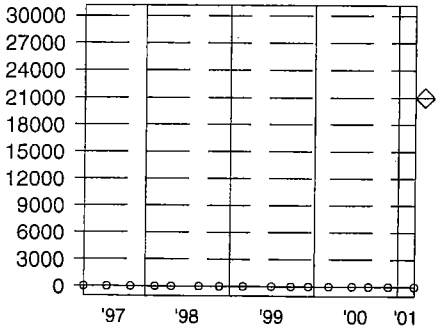
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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04/08/1997 - 03/08/2001

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 1 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	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

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04/08/1997 - 03/08/2001

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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

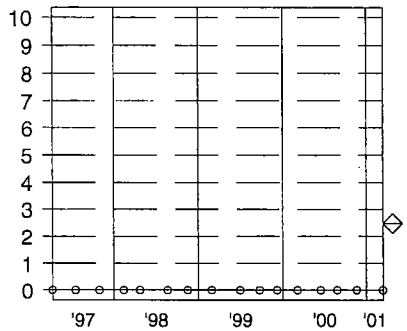
Fort Monmouth

GW Monitoring
Streams

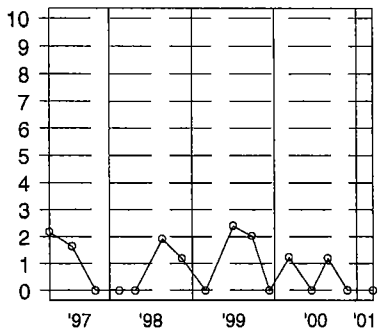
Source 2 of 23

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

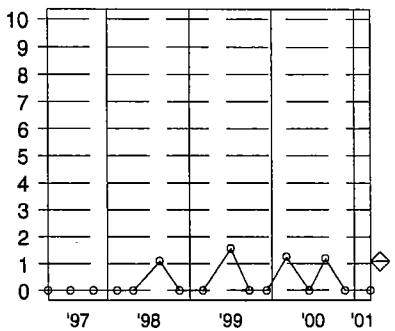
Methylene Chloride
(ug/l)



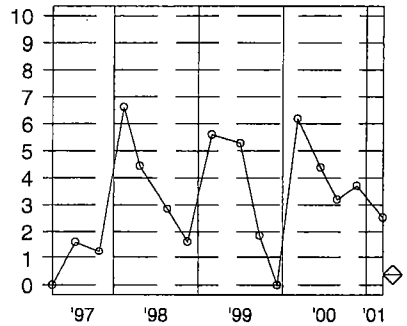
cis-1,2-Dichloroethene
(ug/l)



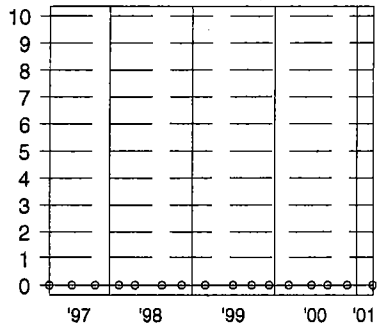
Trichloroethene
(ug/l)



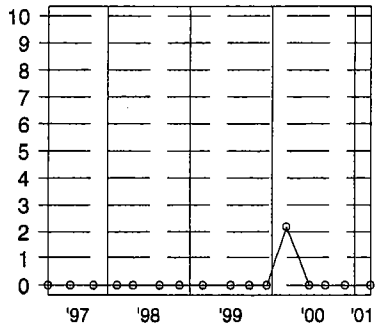
Tetrachloroethene
(ug/l)



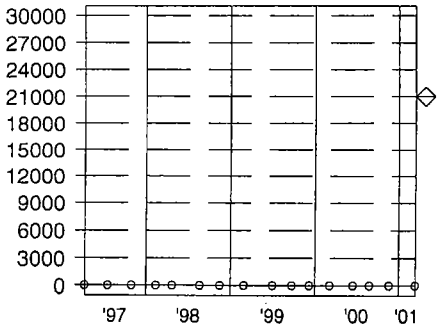
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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04/08/1997 - 03/08/2001

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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

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04/08/1997 - 03/08/2001

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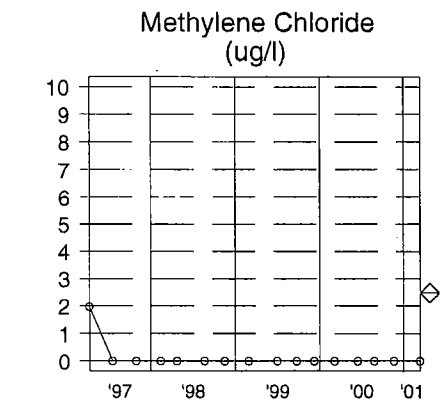
Page 1 of 1
Stream 5 is Salt-Water.
MeCl limit is 1600 ug/L.
cis-1,2-Di limit is NLE.
TCE limit is 81 ug/L.
PCE limit is 4.29 ug/L.
MTBE limit is NLE.

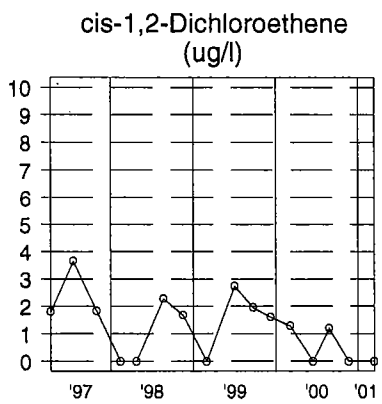
Fort Monmouth

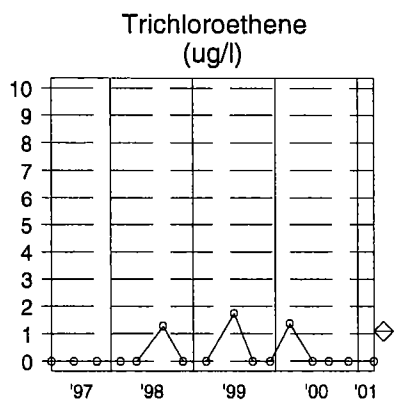
GW Monitoring
Streams

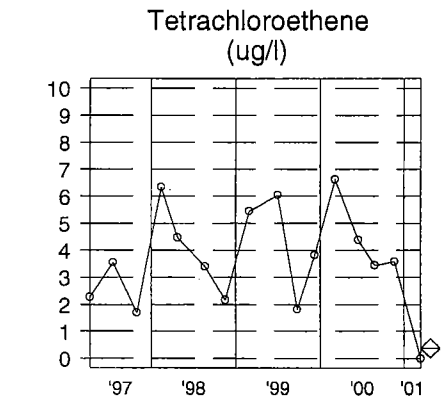
Source 3 of 23

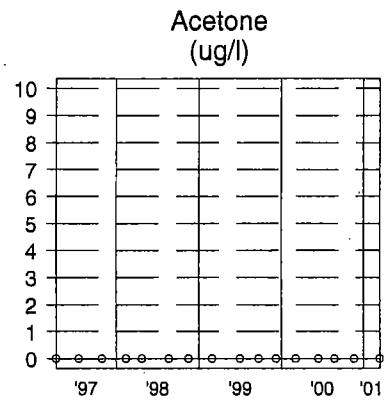
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

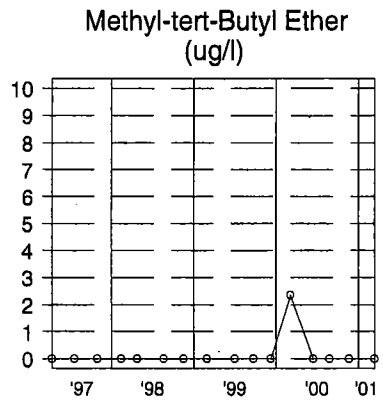


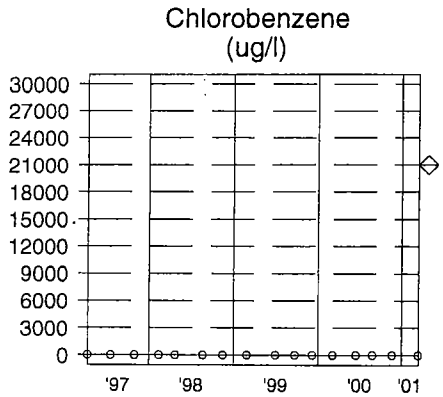












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04/08/1997 - 03/08/2001

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 3 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	1.14	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

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04/08/1997 - 03/08/2001

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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.

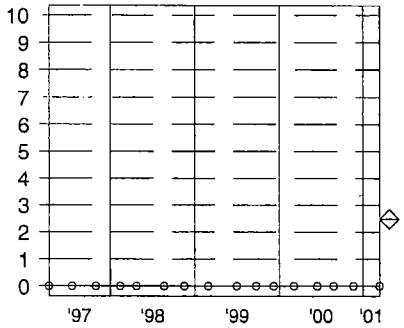
Fort Monmouth

GW Monitoring
Streams

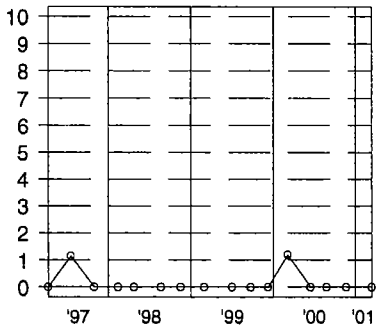
Source 4 of 23

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

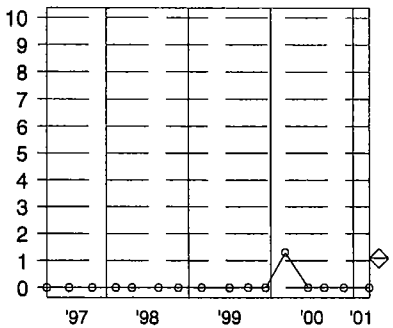
Methylene Chloride
(ug/l)



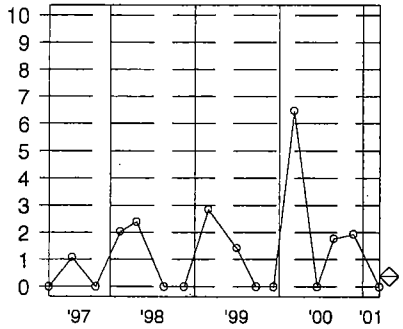
cis-1,2-Dichloroethene
(ug/l)



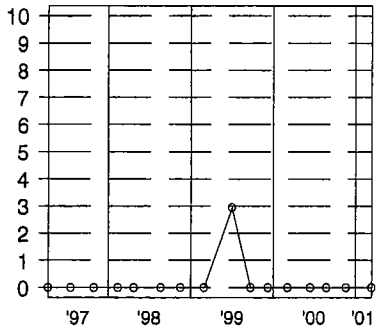
Trichloroethene
(ug/l)



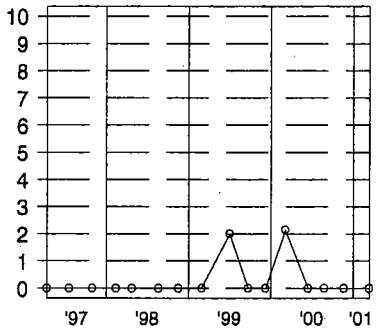
Tetrachloroethene
(ug/l)



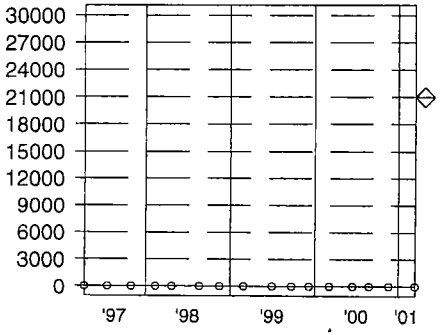
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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04/08/1997 - 03/08/2001

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 4 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	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

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04/08/1997 - 02/21/2001

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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

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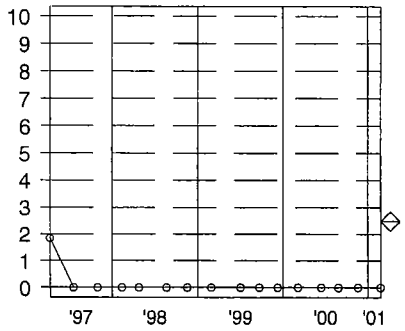
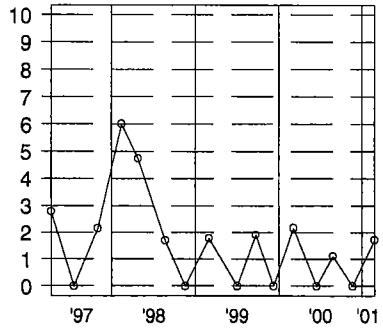
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

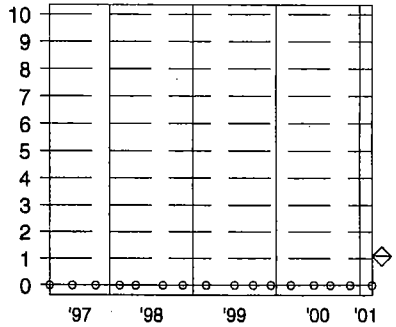
Methylene Chloride
(ug/l)



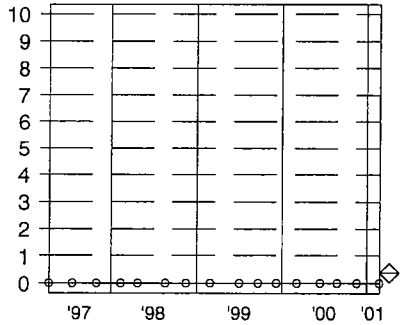
cis-1,2-Dichloroethene
(ug/l)



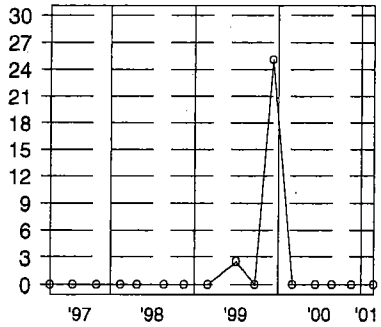
Trichloroethene
(ug/l)



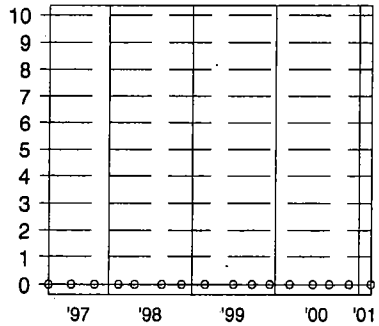
Tetrachloroethene
(ug/l)



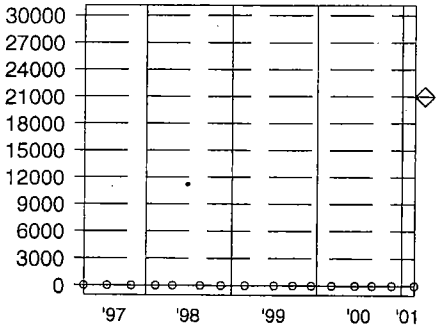
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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04/08/1997 - 02/21/2001

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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

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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.

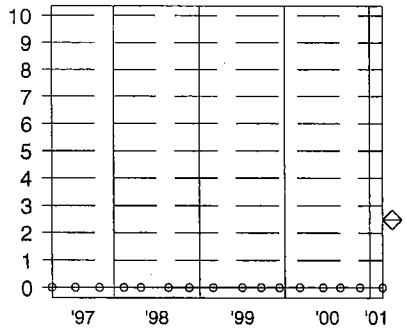
Fort Monmouth

GW Monitoring
Streams

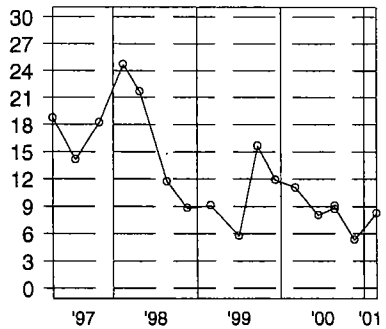
Source 6 of 23

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

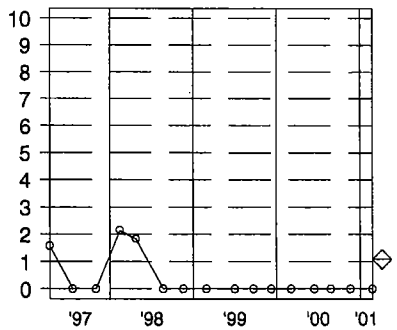
Methylene Chloride
(ug/l)



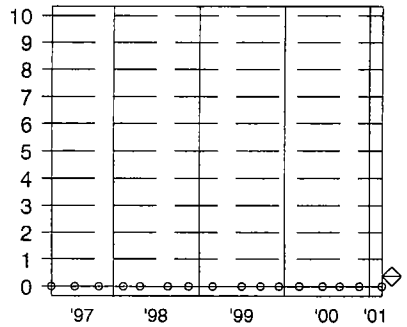
cis-1,2-Dichloroethene
(ug/l)



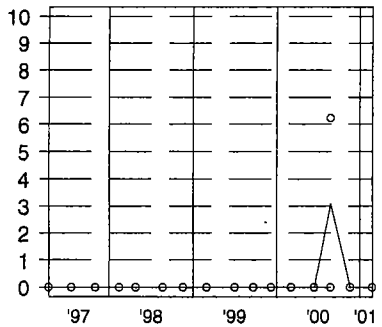
Trichloroethene
(ug/l)



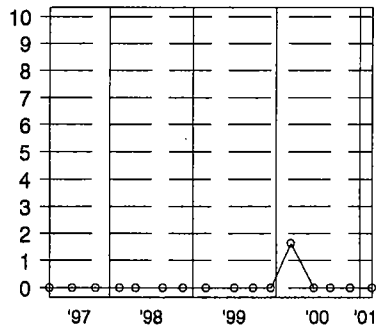
Tetrachloroethene
(ug/l)



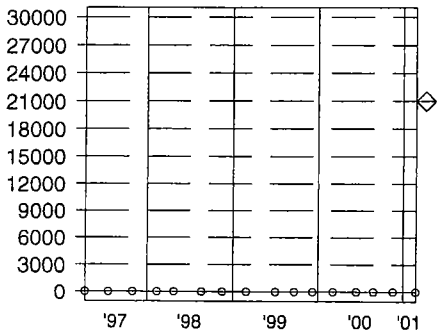
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 6 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	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

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04/08/1997 - 02/21/2001

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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

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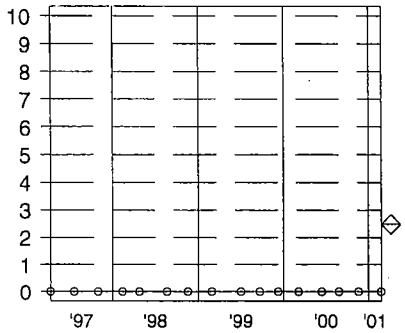
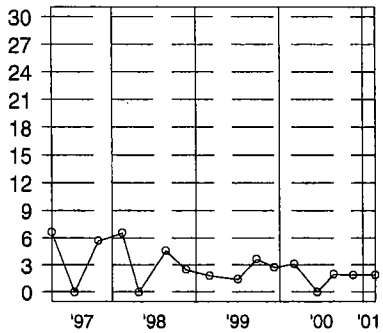
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

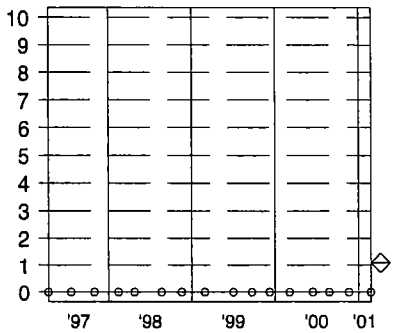
Methylene Chloride
(ug/l)



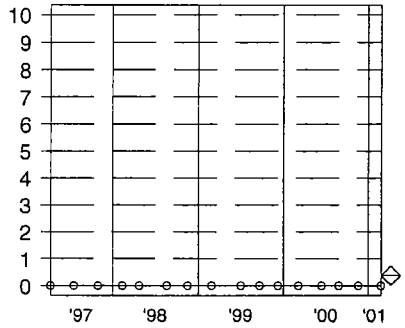
cis-1,2-Dichloroethene
(ug/l)



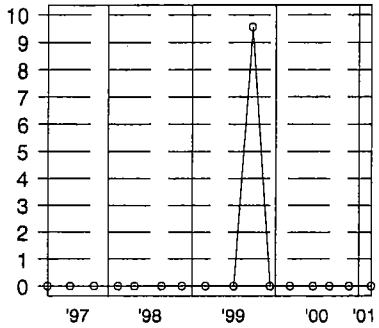
Trichloroethene
(ug/l)



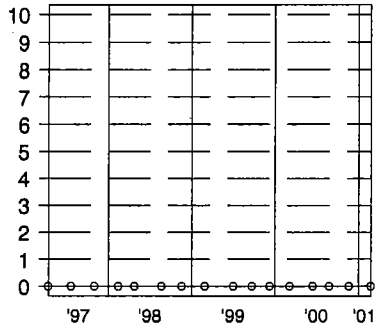
Tetrachloroethene
(ug/l)



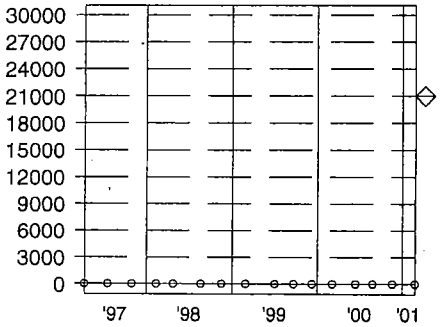
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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04/08/1997 - 02/21/2001

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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

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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

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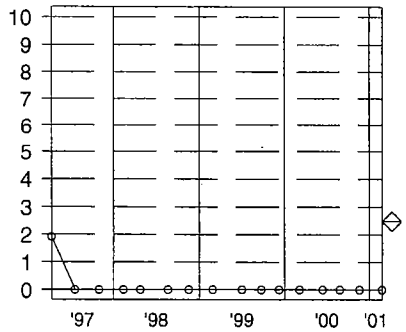
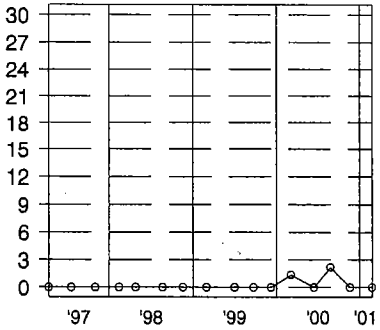
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

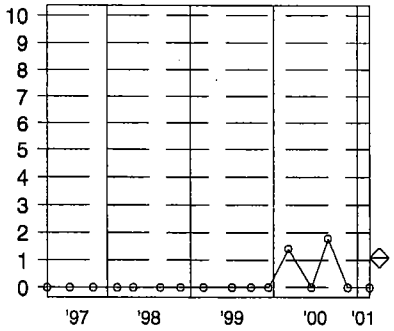
Methylene Chloride
(ug/l)



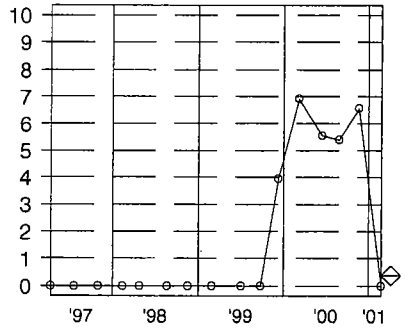
cis-1,2-Dichloroethene
(ug/l)



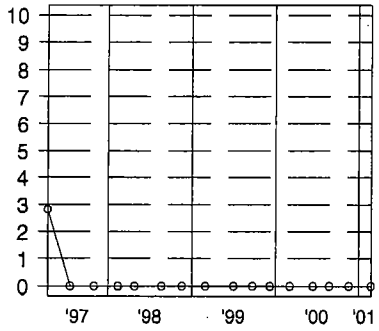
Trichloroethene
(ug/l)



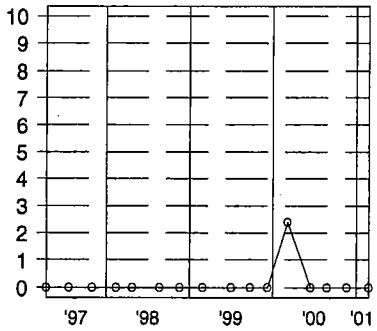
Tetrachloroethene
(ug/l)



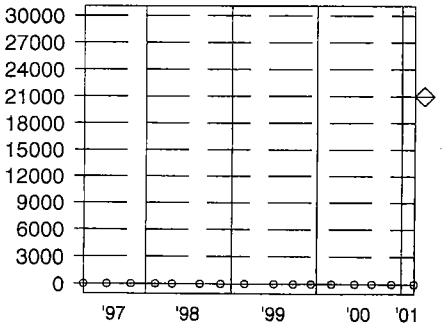
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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04/08/1997 - 02/21/2001

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 8 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	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

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04/08/1997 - 03/08/2001

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Page 1 of 1
Stream 14 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09.
Acetone limit is NLE.

Fort Monmouth

GW Monitoring
Streams

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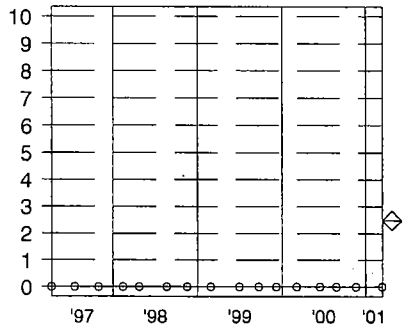
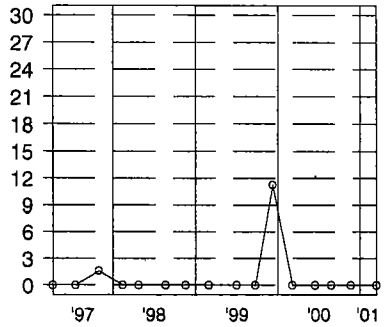
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

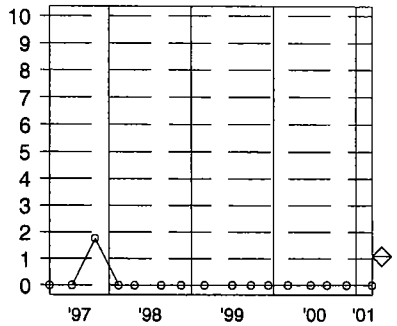
Methylene Chloride
(ug/l)



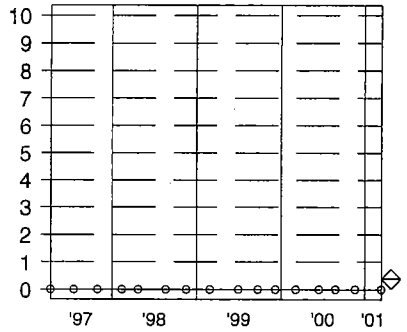
cis-1,2-Dichloroethene
(ug/l)



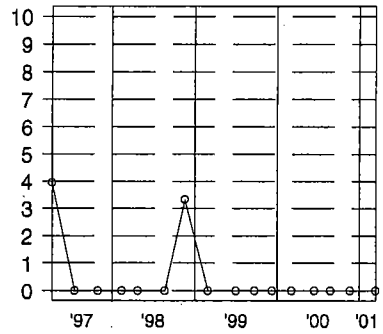
Trichloroethene
(ug/l)



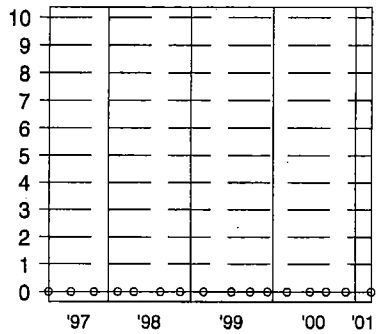
Tetrachloroethene
(ug/l)



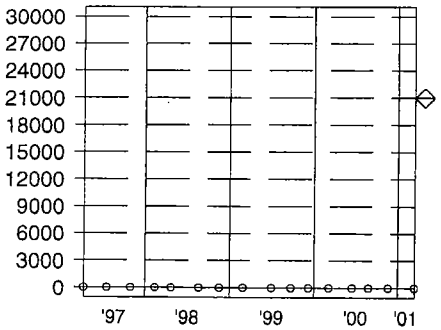
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

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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

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04/08/1997 - 02/21/2001

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Page 1 of 1
Stream 15 is Fresh-Water.
cis-1,2-Di limit is NLE.
TCE limit is 1.09 ug/L.
PCE limit is 0.388 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

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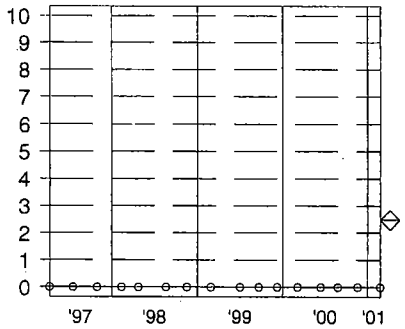
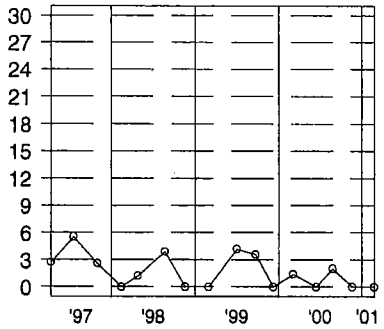
FORT MONMOUTH
SELFM-PW-EV

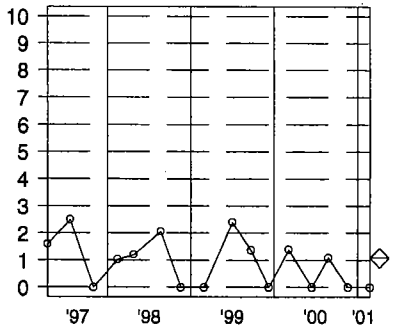
Methylene Chloride
(ug/l)



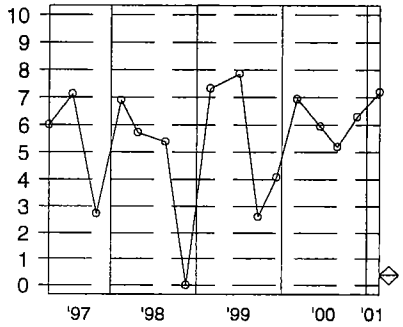
cis-1,2-Dichloroethene
(ug/l)



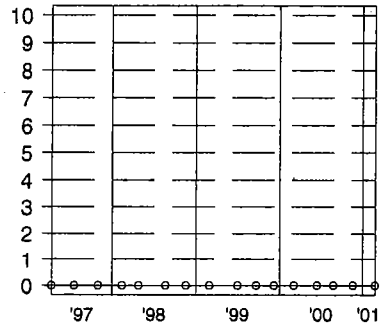
Trichloroethene
(ug/l)



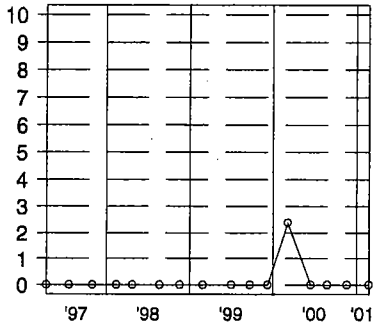
Tetrachloroethene
(ug/l)



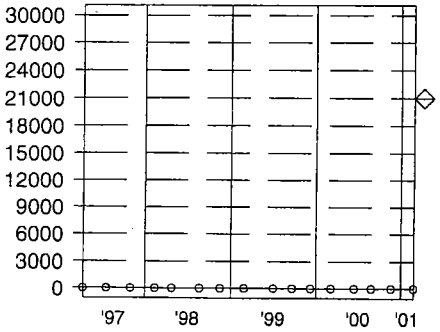
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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04/08/1997 - 02/21/2001

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 10 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	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

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04/08/1997 - 02/21/2001

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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

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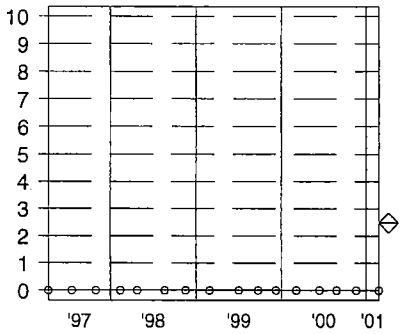
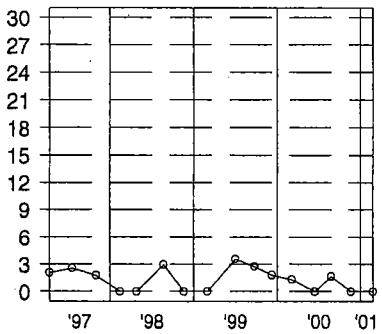
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

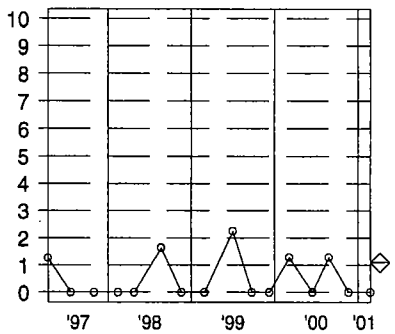
Methylene Chloride
(ug/l)



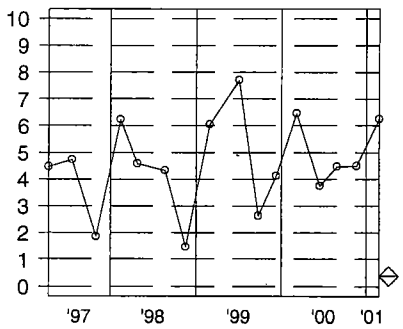
cis-1,2-Dichloroethene
(ug/l)



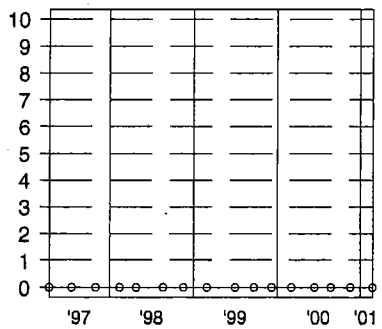
Trichloroethene
(ug/l)



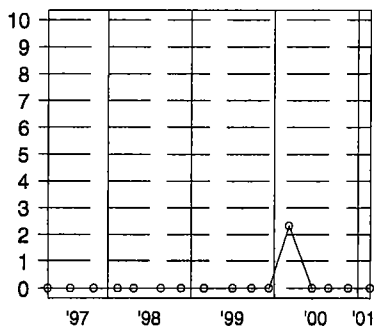
Tetrachloroethene
(ug/l)



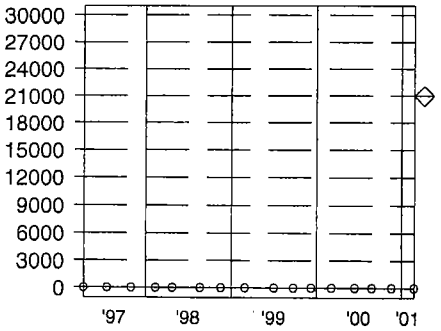
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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04/08/1997 - 02/21/2001

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 11 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	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

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04/08/1997 - 03/08/2001

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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

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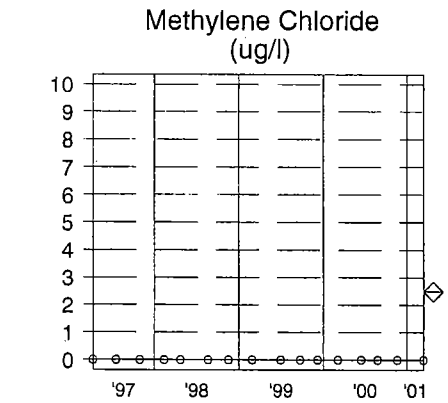
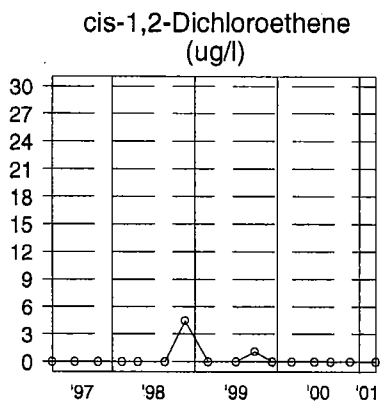
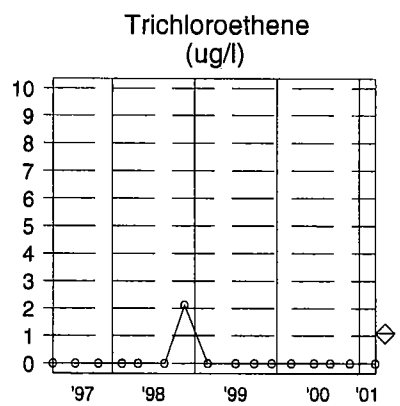
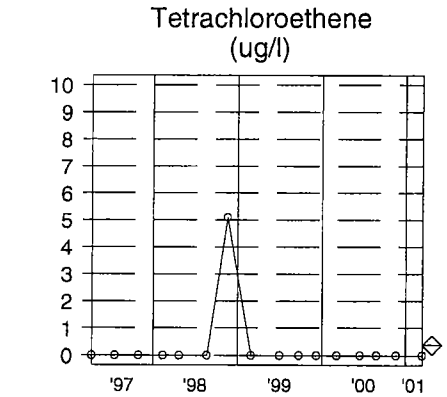
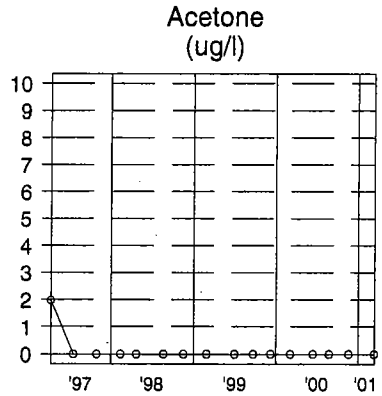
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

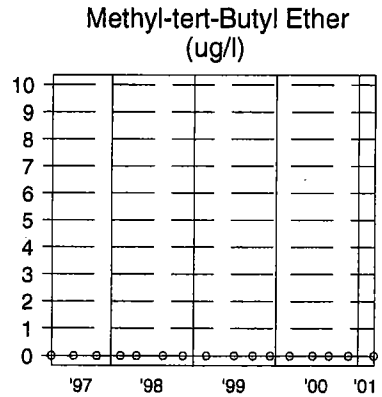


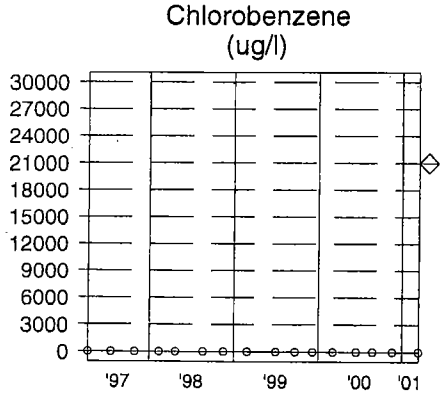












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04/08/1997 - 03/08/2001

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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

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Page 1 of 1
Stream 18 is Fresh-Water.
cis-1,2-Di limit is NLE.

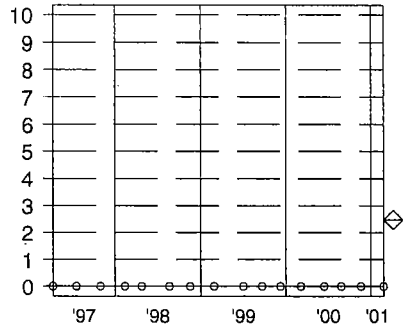
Fort Monmouth

GW Monitoring
Streams

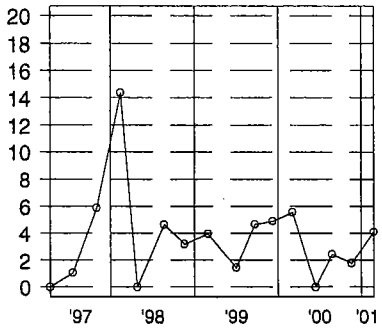
Source 13 of 23

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

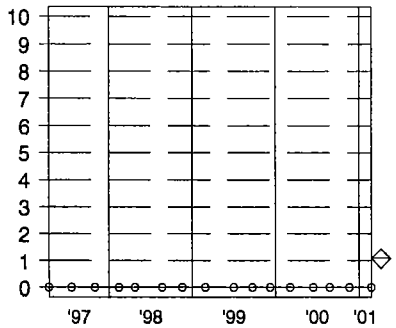
Methylene Chloride
(ug/l)



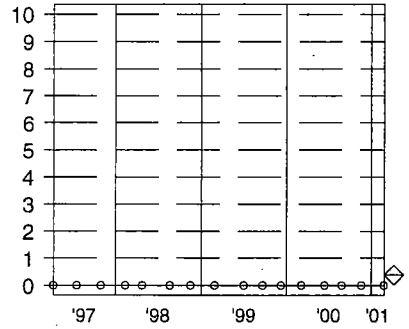
cis-1,2-Dichloroethene
(ug/l)



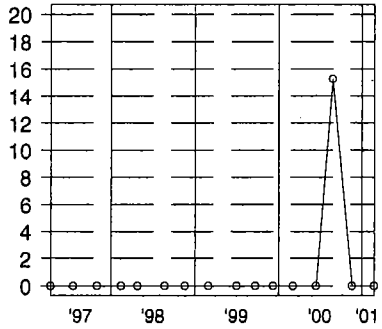
Trichloroethene
(ug/l)



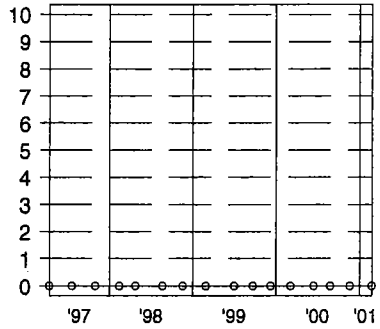
Tetrachloroethene
(ug/l)



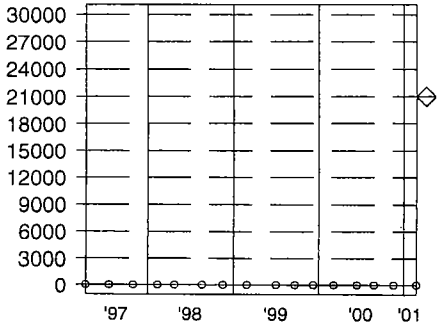
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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04/08/1997 - 02/21/2001

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 13 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	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

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Stream 19 is Salt-Water.
cis-1,2-Di limit is NLE.

Fort Monmouth

GW Monitoring
Streams

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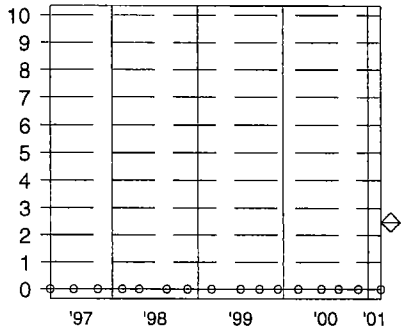
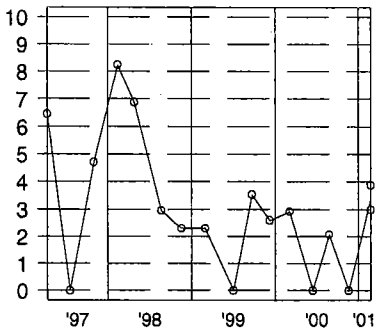
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

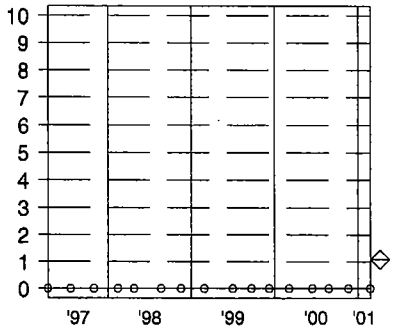
Methylene Chloride
(ug/l)



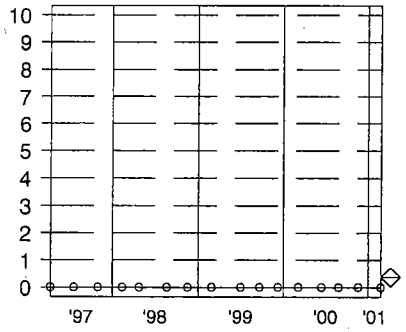
cis-1,2-Dichloroethene
(ug/l)



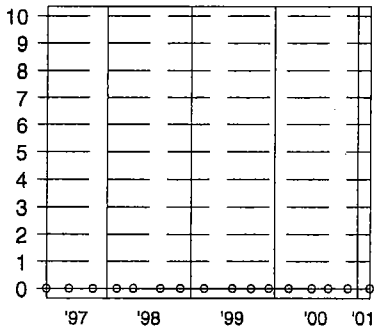
Trichloroethene
(ug/l)



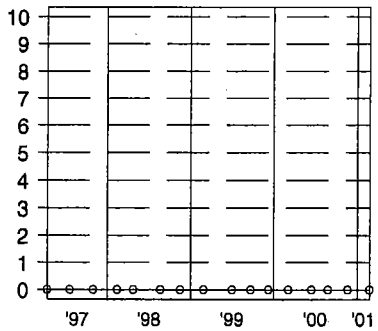
Tetrachloroethene
(ug/l)



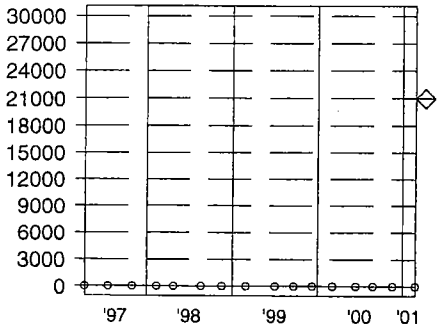
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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04/08/1997 - 02/21/2001

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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

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Stream20 is Salt-Water.
Ethylben limit is 27900 ug/L.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

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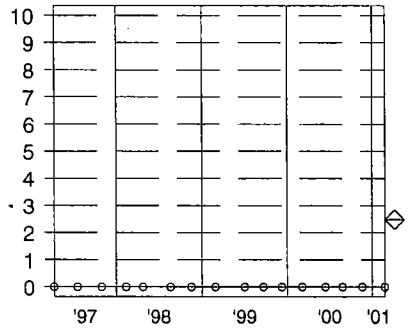
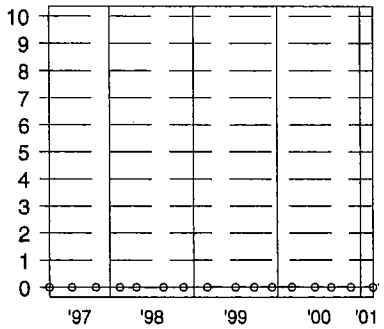
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

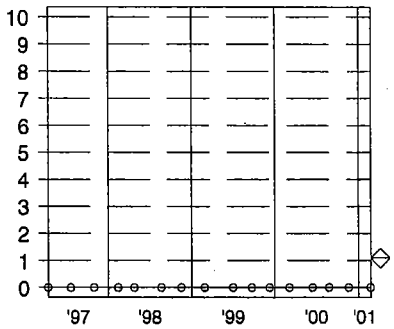
Methylene Chloride
(ug/l)



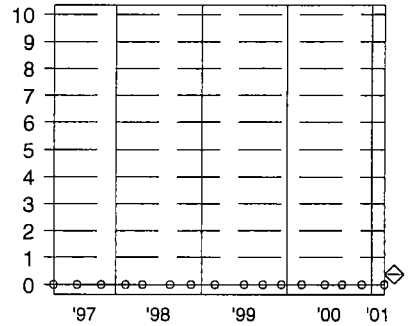
cis-1,2-Dichloroethene
(ug/l)



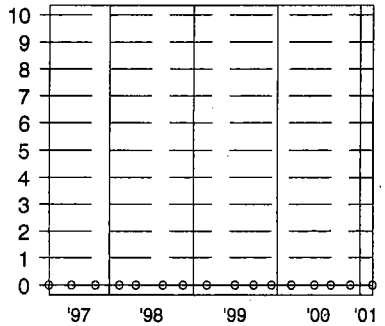
Trichloroethene
(ug/l)



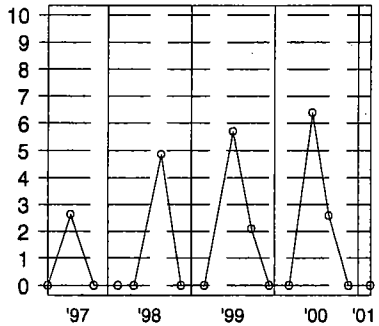
Tetrachloroethene
(ug/l)



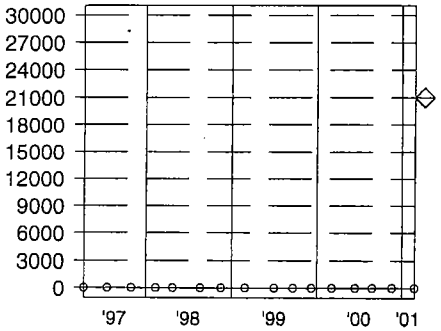
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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04/08/1997 - 02/21/2001

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 15 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	2.90	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

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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

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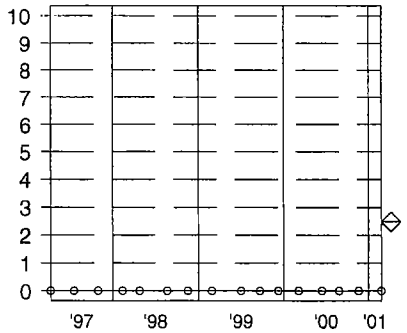
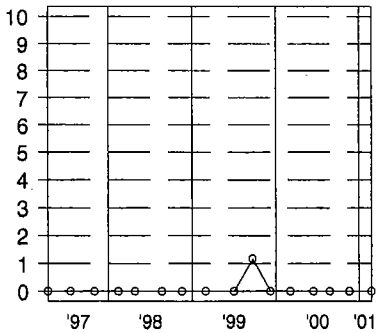
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

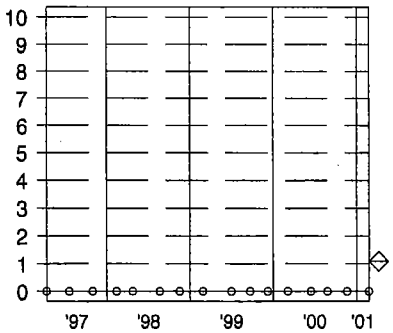
Methylene Chloride
(ug/l)



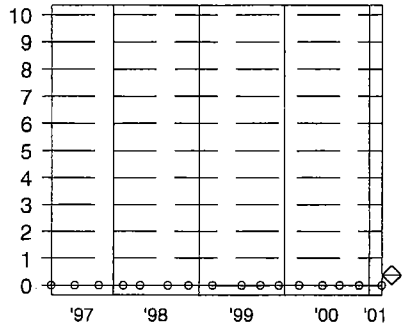
cis-1,2-Dichloroethene
(ug/l)



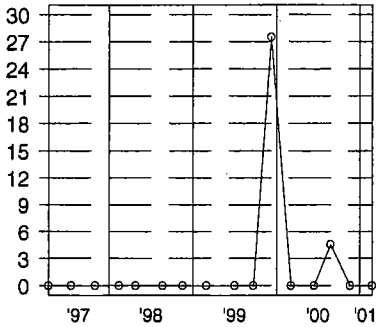
Trichloroethene
(ug/l)



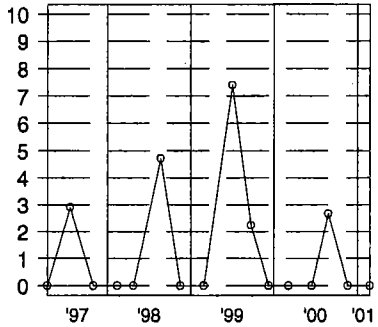
Tetrachloroethene
(ug/l)



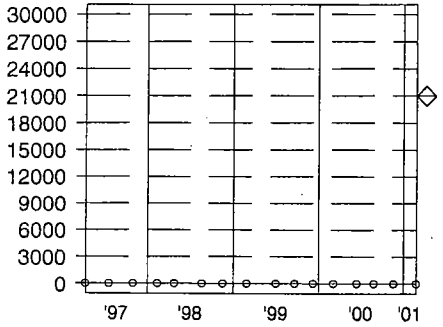
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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04/08/1997 - 02/21/2001

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 16 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	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

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Page 1 of 1
Stream 22 is Salt-Water.
Acetone limit is NLE.
MTBE limit is NLE.

Fort Monmouth

GW Monitoring
Streams

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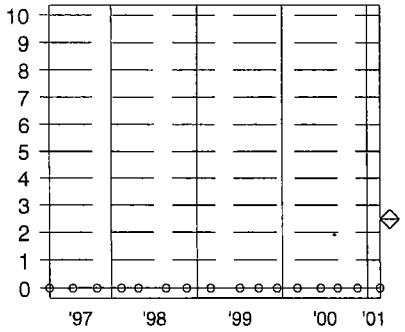
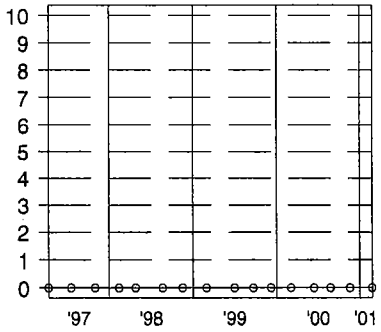
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

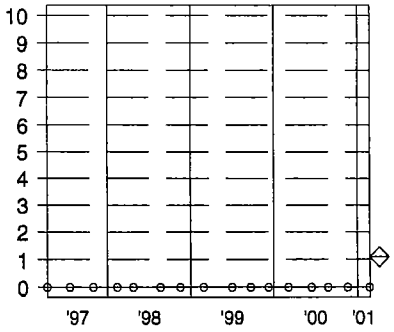
Methylene Chloride
(ug/l)



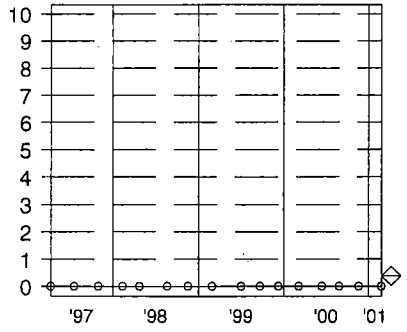
cis-1,2-Dichloroethene
(ug/l)



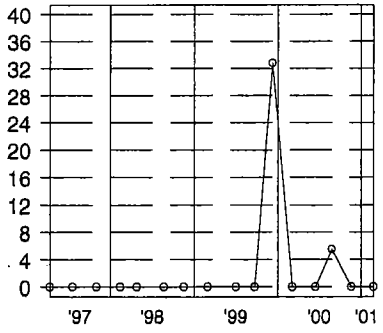
Trichloroethene
(ug/l)



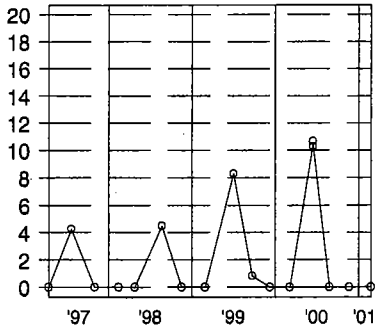
Tetrachloroethene
(ug/l)



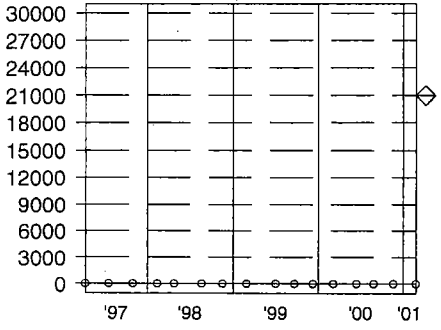
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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04/08/1997 - 02/21/2001

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NJDEP Criteria

Fort Monmouth

GW Monitoring
Streams

Source 17 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	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

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06/12/2000 - 03/08/2001

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Page 1 of 1
Stream 23 is Fresh-Water

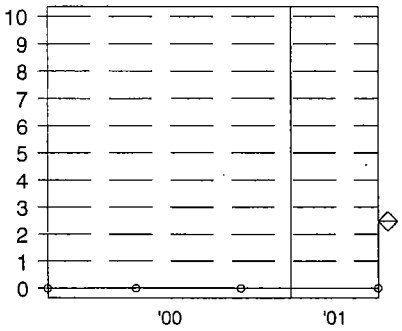
Fort Monmouth

GW Monitoring
Streams

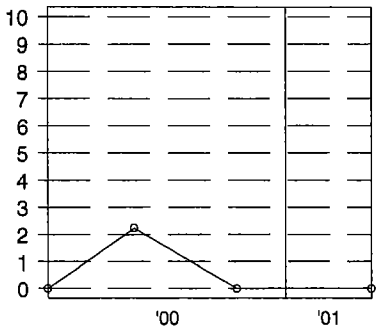
Source 18 of 23

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

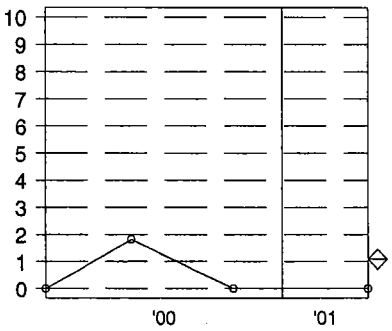
Methylene Chloride
(ug/l)



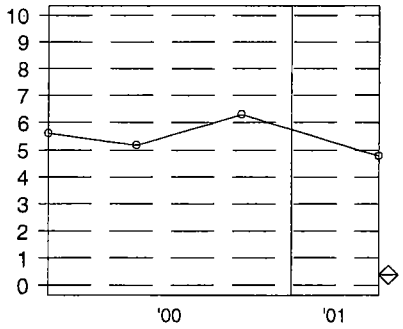
cis-1,2-Dichloroethene
(ug/l)



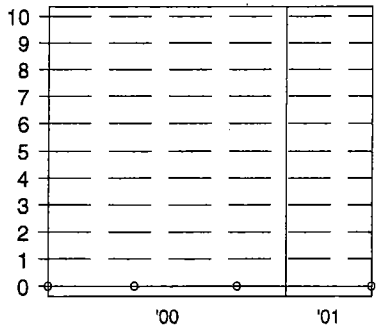
Trichloroethene
(ug/l)



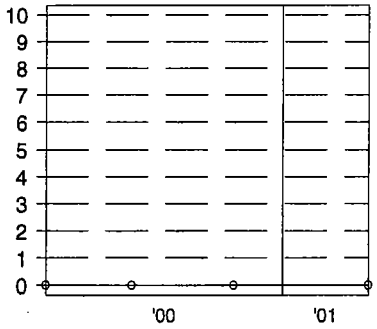
Tetrachloroethene
(ug/l)



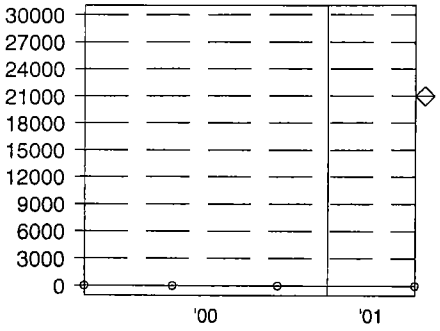
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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06/12/2000 - 03/08/2001

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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

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06/12/2000 - 03/08/2001

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Page 1 of 2
Stream 24 is Fresh-Water

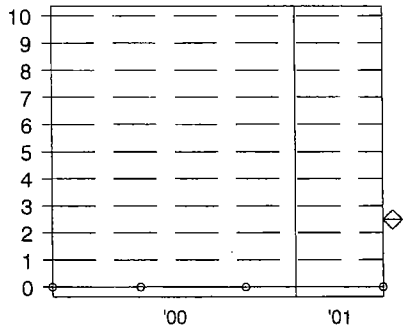
Fort Monmouth

GW Monitoring
Streams

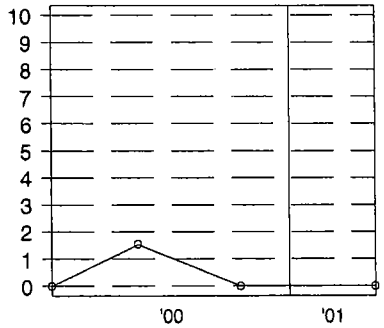
Source 19 of 23

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

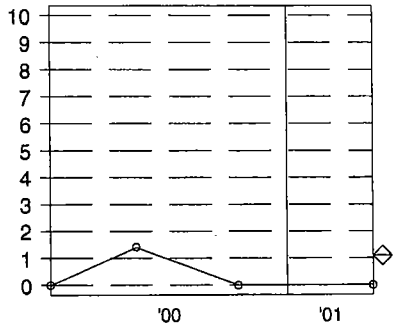
Methylene Chloride
(ug/l)



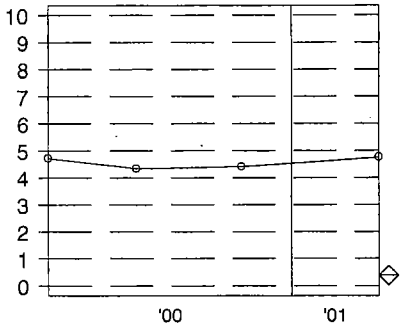
cis-1,2-Dichloroethene
(ug/l)



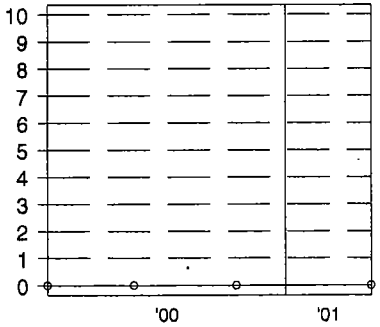
Trichloroethene
(ug/l)



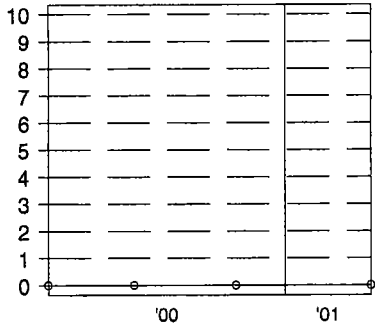
Tetrachloroethene
(ug/l)



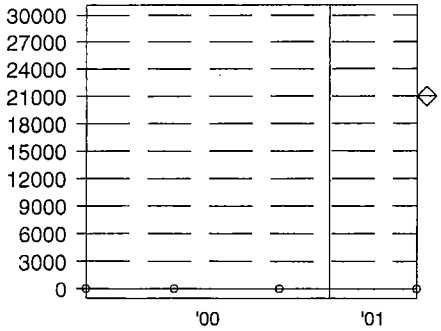
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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06/12/2000 - 03/08/2001

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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

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06/12/2000 - 03/08/2001

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Page 1 of 1
Stream 25 is Salt-Water.

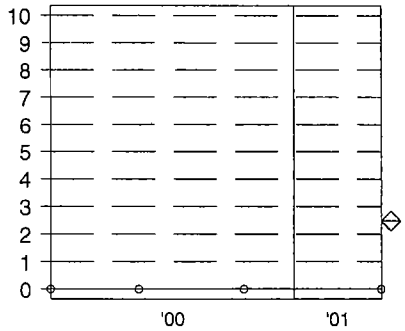
Fort Monmouth

GW Monitoring
Streams

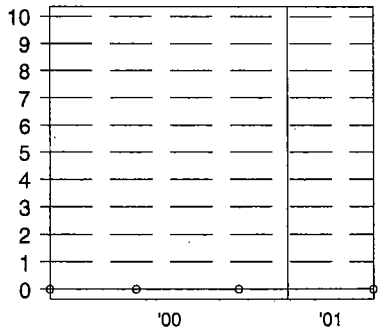
Source 20 of 23

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

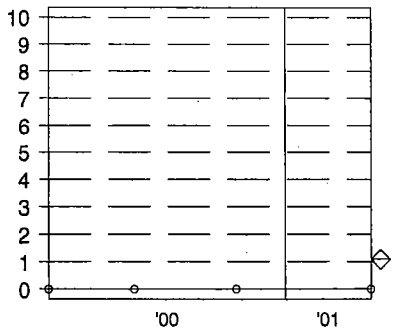
Methylene Chloride
(ug/l)



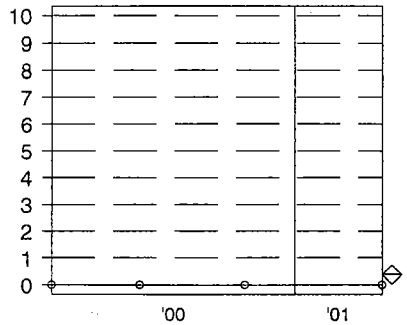
cis-1,2-Dichloroethene
(ug/l)



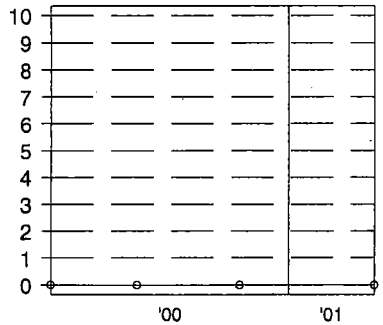
Trichloroethene
(ug/l)



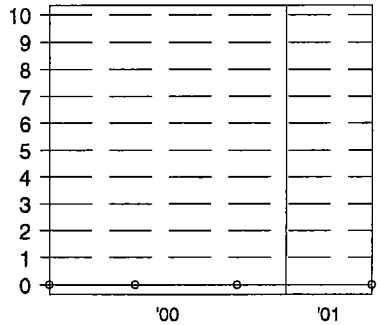
Tetrachloroethene
(ug/l)



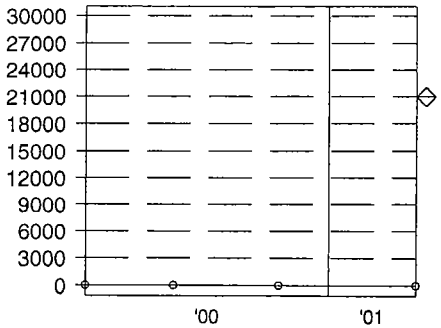
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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06/12/2000 - 03/08/2001

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NJDEP Criteria

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

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06/12/2000 - 03/08/2001

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Page 1 of 1
Stream 26 is Fresh-Water

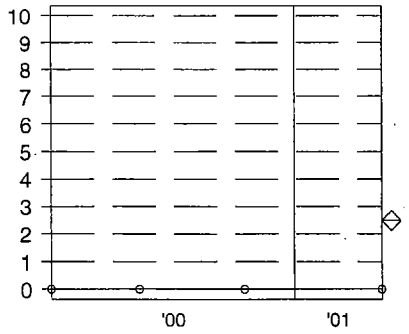
Fort Monmouth

GW Monitoring
Streams

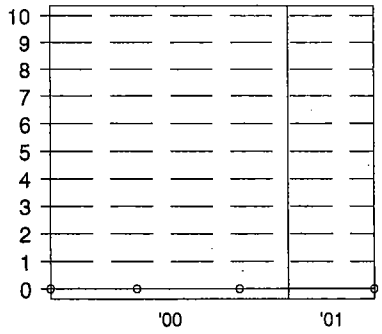
Source 21 of 23

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

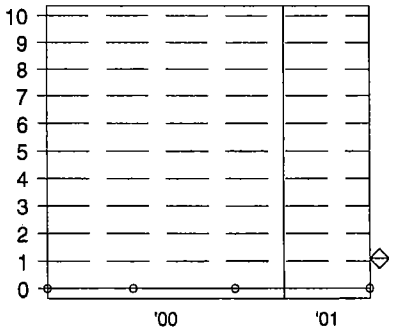
Methylene Chloride
(ug/l)



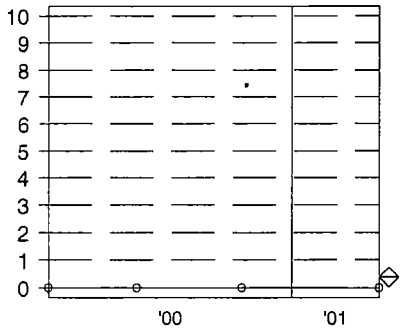
cis-1,2-Dichloroethene
(ug/l)



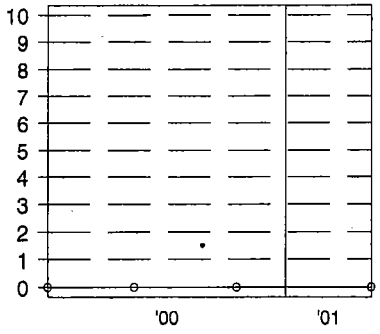
Trichloroethene
(ug/l)



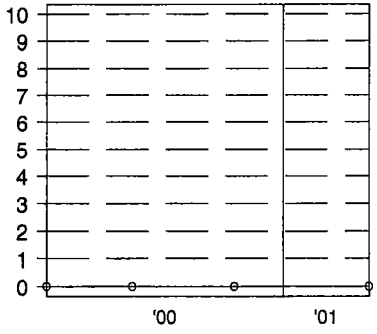
Tetrachloroethene
(ug/l)



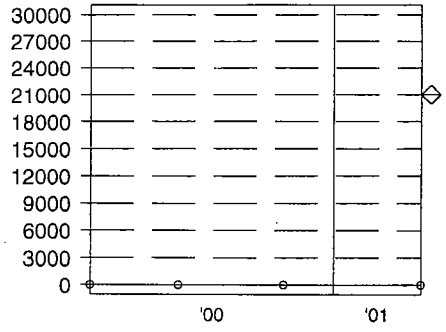
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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06/12/2000 - 03/08/2001

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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

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06/12/2000 - 03/08/2001

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Stream 27 is Salt Water.

Fort Monmouth

GW Monitoring
Streams

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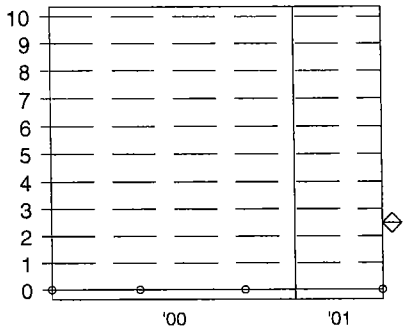
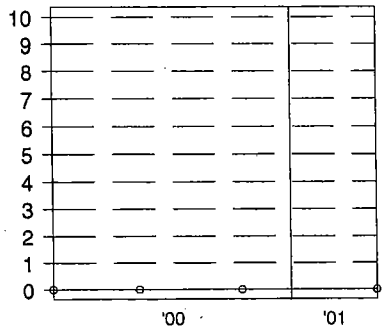
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

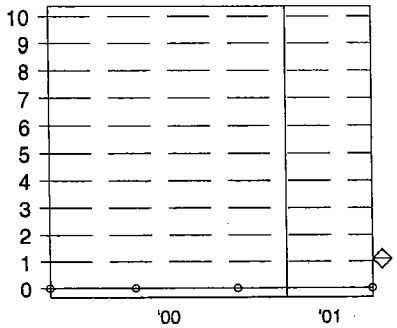
Methylene Chloride
(ug/l)



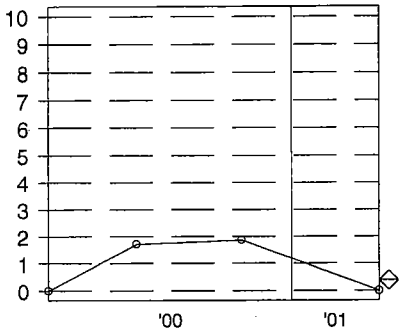
cis-1,2-Dichloroethene
(ug/l)



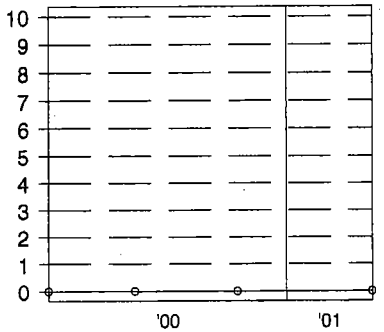
Trichloroethene
(ug/l)



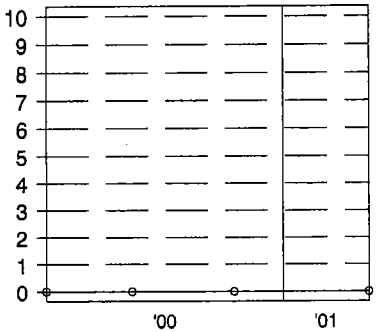
Tetrachloroethene
(ug/l)



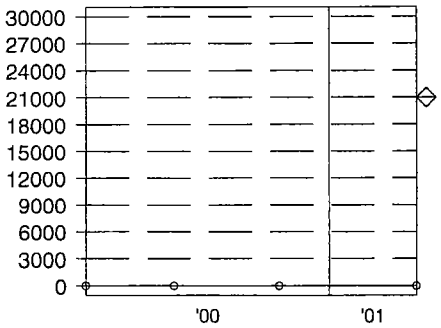
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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06/12/2000 - 03/08/2001

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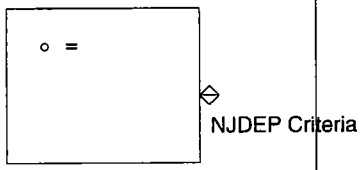

Fort Monmouth

GW Monitoring
Streams

Source 22 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	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

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06/12/2000 - 03/08/2001

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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

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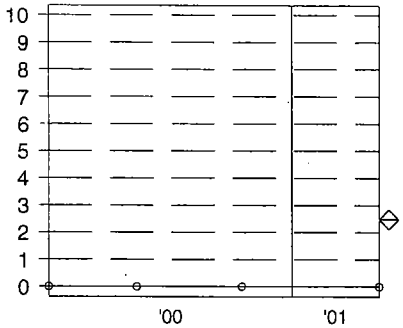
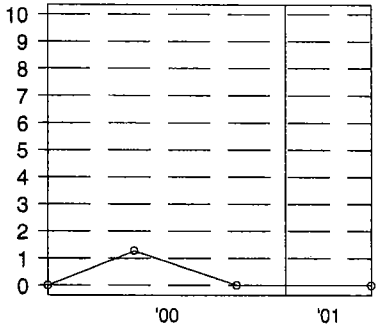
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

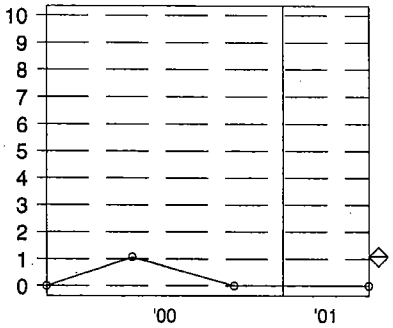
Methylene Chloride
(ug/l)



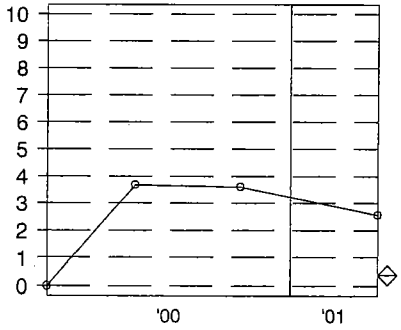
cis-1,2-Dichloroethene
(ug/l)



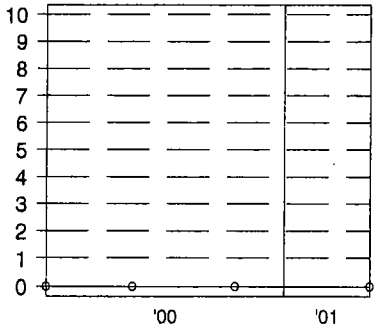
Trichloroethene
(ug/l)



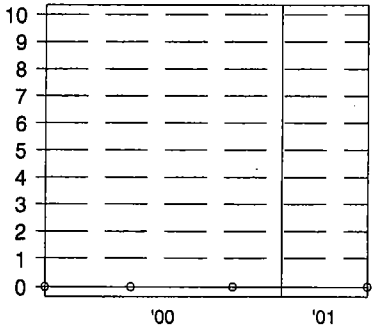
Tetrachloroethene
(ug/l)



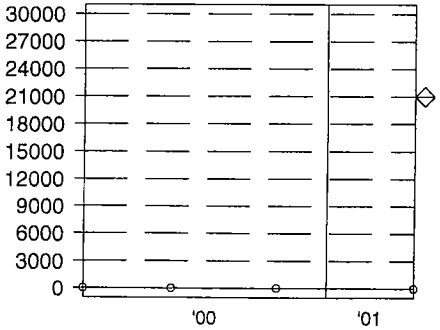
Acetone
(ug/l)



Methyl-tert-Butyl Ether
(ug/l)



Chlorobenzene
(ug/l)



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06/12/2000 - 03/08/2001

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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