FINAL

Remedial Investigation Report

CW-6 Former Pesticide Storage Building

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

Directorate of Public Works



January 14, 2005

201 Gibraltar Road, Suite 100
Horsham, Pennsylvania 19044

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Fort Monmouth, New Jersey

Remedial Investigation Report
CW-6 Former Pesticide Storage Building

Fort Monmouth, New Jersey

January 14, 2005

U.S. Army, Directorate of Public Works
Planning & Environmental Branch
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☐ URGENT ☑ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

SUBJECT:

Document Submittal

Enclosed Please Find:

(1) One copy of the *Remedial Action Progress Report, April 2002 through September 2004, Building 699, Main Post Gas Station,* April 2005 prepared by Handex, Inc.

(2) Two copies of the *Remedial Investigation Report, Building 80/166-Main Post,* January 2005, prepared by Versar, Inc.

(3) Two copies of the *Remedial Investigation Report, M-4 Landfill Site*, January 2005, prepared by Versar, Inc.

(4) Two copies of the *Remedial Investigation Report, CW-3A Landfill Site*, January 2005, prepared by Versar, Inc.

(5) Two copies of the *Remedial Investigation Report, CW-6 Former Pesticide Storage Building*, January 2005, prepared by Versar, Inc.

Greg,

For Bldg. 699 RAPR - This is a standard RAPR indicating effective contaminant recovery at this site and the need for continued system operation and ground water monitoring.

Remaining four RIRs – These are no further action requests. We can prioritize these to discuss at future meetings. Additional copies are for John Prendergast.

Any questions let me know.



DOUGLAS C. GUENTHER
Environmental Protection Specialist

REMEDIAL INVESTIGATION REPORT
FOR THE CW-6 FORMER PESTICIDE STORAGE BUILDING
FORT MONMOUTH, NEW JERSEY

PREPARED FOR:

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

PREPARED BY:

Versar INC.

January 14, 2005

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 CW-6 Pesticide Storage site based on work located in the Charles Wood Area. This report addresses the remedial investigation activities conducted at this site between April 1997 and February 2001.

The CW-6 Pesticide Storage site consists of a small complex of buildings in the south-central section of the Charles Wood Area. The complex consists of Building T-2044 and Building T-2070. The approximate area of the site is 25,000 square feet (0.6 acres). The CW-6 Pesticide Storage site historically was used to store and mix pesticides and herbicides. The aforementioned buildings are currently used to store golf course maintenance and landscaping equipment such as tractors and mowers. The CW-6 Pesticide Storages site currently does not store or mix pesticides or herbicides on site; an outside contractor has been hired to apply pesticides or herbicides.

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 conducted at 13 sites at the Main Post Area and eight sites at the Charles Wood Area. The results of the investigation of the CW-6 Pesticide Storage site are included in the Weston SI report. The field investigation activities included subsurface soil sampling, groundwater monitoring well installation and groundwater sampling. The Weston SI report was used as the basis for the supplemental remedial investigations of the CW-6 Pesticide Storage site described in the following sections of this report.

A total of four monitoring wells comprise the quarterly groundwater monitoring program conducted by the DPW at the CW-6 Pesticide Storage site. Three monitoring wells were installed in the west and northeast section of the site; one monitoring well was installed in the southeast section of the site.

The soil samples collected by Weston were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs) and Target Analyte List (TAL) metals. According to Weston Site Investigation (SI), VOCs were not detected in site soils. SVOCs were detected below New Jersey Department of Environmental Protection (NJDEP) soil cleanup criteria. One pesticide was detected above the NJDEP cleanup criteria. PCBs were not detected in site soils. One metal, chromium, was detected in concentrations exceeding the NJDEP soil cleanup criteria.

The groundwater samples collected by Weston in 1995 were analyzed for VOCs, SVOCs, pesticides and PCBs. Weston reported that one VOC, benzene, was detected above the NJDEP GWQC. SVOCs were detected below the NJDEP GWQC.

Weston concluded that the groundwater sample results for the CW-6 Pesticide Storage site indicate that benzene was detected slightly above the NJDEP GWQC. The Weston SI report stated that the DPW recommended the implementation of a long-term monitoring program at the CW-6 Pesticide Storage site. This remedial investigation was undertaken to assess the groundwater quality at the CW-6 Pesticide Storage site and verify that no COCs exist within the CW-6 Pesticide Storage site groundwater.

Fort Monmouth DPW conducted Remedial Investigation (RI) activities at the CW-6 Pesticide Storage site, including a quarterly groundwater sampling program. 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 CW-6 Pesticide Storage site.

A total of 124 groundwater samples were collected from four groundwater monitoring wells to evaluate potential chemical impacts to groundwater from the CW-6 Pesticide Storage site. The samples were collected and analyzed for VOCs, SVOCs, pesticides, PCBs and TAL metals. Two additional rounds of sampling (low-flow #1 and low-flow #2) were conducted for TAL metals.

Based on the results of the groundwater quality evaluation, no VOCs or SVOCs were detected above the NJDEP GWQC. There was one pesticide detected in groundwater samples above the NJDEP GWQC; however, it is considered to be an isolated and marginal exceedance, and therefore is not considered to be a COC.

There were 11 metals detected in groundwater samples at concentrations exceeding the NJDEP GWQC. One metal, lead, was further considered as a COC; however, due to the low concentrations and the slow migration rate of the COC in groundwater at the CW-6 Pesticide Storage site, there is little potential for significant COC impact by migration. The Wenonah Mount Laurel aquifer, which is approximately 125 feet bgs, is too deep to be affected by the COC near the ground surface. In addition, the sensitive receptor survey (performed at various sites within Fort Monmouth - See M-12 Remedial Investigation Report by Versar 2003) indicates that there are no domestic or irrigation wells that are close enough to the CW-6 Pesticide Storage site to be adversely impacted by COC migration.

Overall, the lead distribution in groundwater does not suggest an association with any source and is more indicative of natural background conditions or a regional source, therefore, lead is not considered a COC. NFA is requested concerning groundwater at the CW-6 Pesticide Storage 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 CW-6 Pesticide Storage site based on work located in the Charles Wood Area. This report addresses the remedial investigation activities conducted at this site between April 1997 and February 2001.

1.1 Objectives

The objective of this Remedial Investigation (RI) is to determine aquifer chemical and physical characteristics and to determine whether further remedial investigation or remedial action is required within the CW-6 Pesticide Storage site groundwater. The remedial investigation was conducted in accordance with New Jersey Administrative Code (NJAC) 7:26E - *Technical Requirements for Site Remediation* (July 1999).

The remedial investigation encompassed the following:

- Characterization of groundwater quality over time through quarterly groundwater sampling events conducted between April 1997 and February 2001.
- Investigation and evaluation of the designated aquifer uses, the associated aquifer classification, and the appropriate groundwater quality criteria for groundwater resources beneath the CW-6 Pesticide Storage site. The NJDEP Ground Water Quality Standards (GWQS) specify the quality criteria and designated uses for groundwater and also contain technical and general policies to ensure that the designated uses can be adequately protected.
- Comparison of the results of the groundwater quality and monitoring program with the NJDEP Ground Water Quality Criteria (GWQC).
- 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 CW-6 Pesticide Storage site.

1.2 Report Organization

This report is organized to minimize repetition. The findings of the 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 CW-6 Pesticide Storage site located at the Charles Wood Area of Fort Monmouth, which a large portion was provided by Weston (1995). **Section 3.0** describes and summarizes the RI field activities conducted at the CW-6 Pesticide Storage site including the groundwater sampling. **Section 4.0** presents the physical characterization of the CW-6 Pesticide Storage site including the lithology and groundwater conditions. The site chemical characterization is presented in **Section 5.0**, which includes groundwater sample results and the determination of COCs. Conclusions and a recommendation for NFA for groundwater at the CW-6 Pesticide Storage 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 CW-6 Pesticide Storage 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 Charles Wood Area is located one mile west of the Main Post and is comprised of approximately 511 acres. Charles Wood is used primarily for research and development, testing and personnel housing units. 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 CW-6 Pesticide Storage site consists of a small complex of buildings in the south-central section of the Charles Wood Area (**Figure 2-2**). The complex consists of Building T-2044 and Building T-2070. The approximate area of the site is 25,000 square feet (0.6 acres). The CW-6 Pesticide Storage site historically was used to store and mix pesticides and herbicides. The aforementioned buildings are currently used to store golf course maintenance and landscaping equipment such as tractors and mowers. The CW-6 Pesticide Storage site currently does not store or mix pesticides or herbicides on site; an outside contractor has been hired to apply pesticides or herbicides.

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 CW-6 Pesticide Storage 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 conducted at 13 sites at the Main Post Area and eight sites at the Charles Wood Area. The results of the investigation of the CW-6 Pesticide Storage site are included in the Weston SI report. Initial field investigation activities were conducted between November 1994 and March 1995. The field investigation activities included subsurface soil sampling, groundwater monitoring well installation and groundwater sampling. The Weston SI report was used as the basis for the supplemental remedial investigations of the CW-6 Pesticide Storage site described in the following sections of this report.

A total of four monitoring wells (CW6-MW1, CW6-MW2, CW6-MW3 and CW2-MW34) comprise the quarterly groundwater monitoring program conducted by the DPW at the CW-6 Pesticide Storage site. Three monitoring wells (CW6-MW1 CW6-MW2 and CW6-MW3) were installed in the west and northeast section of the site. One monitoring well (CW2-MW34) was installed in the southeast section of the site. Three monitoring (CW6-MW1, CW6-MW2 and CW6-MW3) wells were installed by Tyree in June, July and December 1994, respectively. The wells were constructed with 4-inch diameter 20 Slot PVC to a depth of 15 feet below ground surface (bgs). One monitoring well (MW6-MW34) was installed by J.C. Anderson in January 1995. MW6-MW34 was constructed using 4-inch diameter 10 Slot PVC to a depth of 14.5 feet 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 CW-6 Pesticide Storage site are presented in **Figure 2-3**.

The soil samples collected by Weston in November 1994, January and May 1995 were analyzed for VOCs, SVOCs, pesticides, PCBs and TAL Metals. According to Weston SI, VOCs were not detected in site soils. SVOCs were detected below NJDEP soil cleanup criteria. One pesticide, dieldrin, was detected above the NJDEP cleanup criteria in SB-34. However, dieldrin was not detected in the site groundwater. PCBs were not detected in site soils. Of the eighteen metals detected, one metal (cadmium) was detected in concentrations exceeding the NJDEP soil cleanup criteria. However, cadmium was determined not to be a COC through the comparison of the arithmetic mean of the analytical results (**Appendix A**).

The groundwater samples collected by Weston in 1995 were analyzed for VOCs, SVOCs, pesticides and PCBs. Weston reported that one VOC, benzene, was detected above the NJDEP GWQC. SVOCs were detected below the NJDEP GWQC. One pesticide was detected slightly above the quantitation limits; however, there is no NJDEP GWQC established for alpha-chlordane.

Weston concluded that the groundwater sample results for the CW-6 Pesticide Storage site indicate that benzene was detected slightly above the NJDEP GWQC. The Weston SI report stated that the DPW recommended the implementation of a long-term monitoring program at the CW-6 Pesticide Storage site. This remedial investigation was undertaken to assess the groundwater quality at the CW-6 Pesticide Storage site and verify that no COCs exist within the CW-6 Pesticide Storage site groundwater.

2.3 Current Conditions

VERSAR conducted a site walk on June 20, 2001 to assess current conditions at the CW-6 Pesticide Storage site. The site consisted of two buildings (T-2044 and T-2070) within the golf course, which is located in the south-central portion of Charles Wood Area. Site photographs are shown in **Appendix C**.

2.4 Environmental Setting

The following is a description of the geological/hydrogeological setting of the area surrounding the CW-6 Pesticide Storage site. Included is a description of the regional geology and hydrogeology of the area surrounding Fort Monmouth, as well as descriptions of the local geology and hydrogeology of the Charles Wood Area.

2.4.1 Regional Geology

Monmouth County lies within the New Jersey Section of the Atlantic Coastal Plain physiographic province. The CW-6 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 (1995), several natural and anthropogenic factors contribute to the wide range in concentrations of metals in soils, which further impact the concentration of metals in groundwater. Soils derived from the glauconitic sands contain abundant aluminum, calcium, potassium, iron, magnesium and manganese (among others), which are likely to be present at elevated concentrations in the groundwater, particularly when sediments are entrained in the collected groundwater samples.

As presented in the Weston SI, the boring logs from monitoring well installations at the CW-6 Pesticide Storage site indicate that the lithology consists of topsoil (0.3 feet) underlain by brown medium to fine grained sand with olive brown sand laminae. Borehole logs also represent a lithology consisting of coarse sand with silt and greenish gray clay at this site. Groundwater saturation was observed at approximately 4 feet bgs at each well location during drilling activities at the CW-6 Pesticide Storage site. Water-level elevation data collected during the Weston SI indicate that the local groundwater flow is towards the east.

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 CW-6 Pesticide Storage site is towards the southeast.

2.4.3 Aquifer Classification

On review of the NJDEP GWQS (N.J.A.C. 7:9-6), January 7, 1993, the CW-6 Pesticide Storage site is found to be underlain by a Class III-A aquifer (**Figure 2-5**). The primary designated use for Class III-A ground water is the release or transmittal of groundwater to

adjacent classification areas and surface water, as relevant. Secondary designated uses in Class III-A include any reasonable uses. For an area to be classified as a Class III-A aquifer, the ground water must meet the following characteristics:

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

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

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 CW-6 Pesticide Storage site is assumed to be towards the southeast.

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 and Charles Wood areas are covered by urban land (**Figure 2-8**). The soil survey describes 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 and Charles Wood areas:

- 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);
- PT Pits, Sand and Gravel;
- Sn Shrewsbury sandy loam – poorly drained soils on upland flats;
- UA Udorthents, smoothed; and
- UD Udorthents – urban land complex (with 0 to 3 percent slopes).

The Downer series soils are well-drained soils that are found on uplands and terraces. The soils are formed in acid, silty coastal plain sediments. The Freehold soils are also well drained and are formed in acid, loamy, coastal plain sediments that, by volume, are 1 to 10 percent glauconite and are found on uplands. The Humaquepts soils are somewhat poorly- to very poorly- drained soils that are formed in stratified, sandy, or loamy sediments of fluvial origins. The Humaquepts soils are located on the floodplain and are subject to flooding several times each year. The Kresson loam is a nearly level to gently sloping soil and is somewhat poorly drained. The soil is found on low divides and in depressions. The Udorthents soils have been altered by excavation or filling activities. In filled areas, these soils consist of loamy material that is more than 20 inches thick. The filled areas include floodplain, tidal marshes and areas with moderately, well drained to very poorly drained soils. Some Udorthent soils contain concrete, asphalt, metal and glass. The soils in the vicinity of the CW-6 Pesticide Storage site are classified as Sn - Shrewsbury sandy loam – poorly drained soils on upland flats.

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 conducted by the military. The CW-6 Pesticide Storage site is located on the floodplain of Wampum Brook. The USGS topographic map (**Figure 2-1**) shows that the land surface of the site is relatively flat at an elevation of approximately 60 feet above mean sea level (amsl).

Surface water bodies in the vicinity of the Charles Wood Area include two unnamed tributaries of Wampum Brook. Wampum Brook is joined by several unnamed tributaries east of Charles Wood, prior to becoming Wampum Lake. Wampum Lake discharges into Mill Creek, which flows toward the Main Post Area.

The U.S Fish and Wildlife Service (FWS) National Wetland Inventory Long Branch quadrangle maps indicate the presence of several wetlands at the Main Post and Charles Wood areas. However, in the vicinity of the CW-6 Pesticide Storage site, the golf course lake is classified as palustrine open water/unknown bottom, and several areas along the

unnamed tributaries of Wampum Brook are classified as palustrine forested wetland, broad-leaved deciduous.

3.0 SITE ACTIVITIES

Fort Monmouth DPW conducted RI activities at the CW-6 Pesticide Storage site, including a quarterly groundwater sampling program. 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 CW-6 Pesticide Storage site. Groundwater RI activities were conducted from April 1997 and continued 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 CW-6 Pesticide Storage site are described in the following sections.

3.1 Groundwater Sampling Activities

As a part of the remedial investigation, a quarterly groundwater sampling program was conducted by the DPW from April 1997 through February 2001, at the CW-6 Pesticide Storage site. Sampling activities were performed in accordance with the *Fort Monmouth Standard Sampling Operating Procedure* (1997).

Groundwater samples were collected during 16 rounds of quarterly sampling events and were analyzed for VOCs, SVOCs, pesticides, PCBs and TAL metals. Two additional low-flow sampling rounds were analyzed for TAL metals which are addressed below. A total of 124 groundwater samples were collected as a part of the groundwater sampling program, including 18 duplicate samples, 18 field blanks and 16 trip blanks for quality assurance/quality control (QA/QC), were collected from a total of four 4-inch diameter monitoring wells (CW6-MW1, CW6-MW2, CW6-MW3 and CW6-MW34).

Copies of the chain-of-custody for the laboratory analyses can be found in **Appendix D.** A summary of the groundwater sampling activities, including rounds, well IDs, sample IDs, sample locations, collection/analysis date, analytical parameters and analysis method, is provided in **Table 3-1**. The results of these analyses are discussed in **Section 5.1.**

As presented in the Weston SI report (1995), several natural and anthropogenic factors contribute to the wide range in concentrations of metals in soils, which further impact the concentration of metals in groundwater. Soils derived from the glauconitic sands contain abundant aluminum, calcium, potassium, iron, magnesium and manganese (among others), which are likely to be present at elevated concentrations in the groundwater, particularly when sediments are entrained in the collected groundwater samples. A low-flow sampling methodology was proposed for use by the DPW and accepted by the NJDEP to assess the impact of entrained sediments on the dissolved phase metals concentrations at the CW-6 Pesticide Storage 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 28th through September 1st, 2000 and October 5, 2000 using a low-flow groundwater sampling technique. A total of 12 samples out of the total 124 groundwater samples were collected and analyzed only for TAL metals, to determine whether elevated metal concentrations observed in the groundwater samples are due to sediments rather than groundwater. The samples were analyzed by the 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 **Section 5.0**.

Sampling equipment was thoroughly decontaminated before and after each use, in accordance with the *Fort Monmouth Standard Operating Procedures* (1997). The sample containers were labeled, sealed, packed in ice and transported to the FMETL under proper chain-of-custody procedures.

3.2 Groundwater Depth Measurements

During each of the groundwater monitoring rounds, measurements of the depth-to-water in each of the monitoring wells were recorded with an accuracy of 0.01 feet. These depth-to-water measurements, recorded from April 1997 through February 2001, are presented in **Table 3-2**. The groundwater elevation at each well was calculated by subtracting the measured depth-to-water from the elevation of the top of the well casing with the depth-to-water at the well. The groundwater elevations are discussed in **Section 4.2**.

4.0 SITE PHYSICAL CHARACTERISTICS

The following sections represent the findings of the site geologic and hydrogeologic characterization program for the CW-6 Pesticide Storage 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 April 1997 to February 2001 are presented in this section.

4.1 Lithology

The lithology encountered at the CW-6 Pesticide Storage site consists of fine to coarse sand, silt and clay. A geologic cross section (A-A') was prepared for four monitoring wells. The cross section location map is included as **Figure 4-1**. The data used to create the cross section is presented in **Table 4-1**.

The cross-section A-A' is presented in **Figure 4-2**. Cross section A-A' depicts the profiles for monitoring wells CW6-MW1, CW6-MW2, CW6-MW3 and CW6-MW34. Groundwater was encountered at a depth of 4 feet bgs during drilling activities.

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 Groundwater Flow Direction

Groundwater contour plots (**Figure 4-3a** through **4-3q**) were generated based on groundwater depth measurements from the monitoring wells collected between April 1997 and February 2001. The groundwater underlying the site appears to be flowing towards the southeast. Changes in groundwater elevation were noted between the 16 rounds of water level measurements (**Table 3-2**).

5.0 SITE CHEMICAL CHARACTERIZATION

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

5.1 Groundwater Sample Results

A total of 124 groundwater samples were collected from four groundwater monitoring wells to evaluate potential chemical impacts to groundwater from the CW-6 Pesticide Storage 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 April 1997 through February 2001 from the four monitoring wells at the CW-6 Pesticide Storage site. The three monitoring wells CW6-MW1, CW6-MW2 and CW6-MW3 were installed in June, July and December 1994. CW6-MW34 was installed in January 1995. The samples were collected and analyzed for VOCs, SVOCs, pesticides, PCBs and TAL metals. Two additional rounds of sampling (low-flow #1 and low-flow #2) that were conducted on August 28th through September 1st, 2000 (Low Flow #1) and October 5, 2000 (Low Flow #2) 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. One VOC was detected in groundwater samples below the NJDEP GWQC. Five SVOCs were detected in groundwater samples below the NJDEP GWQC. A total of seven pesticides were detected in site groundwater. One pesticide was detected above NJDEP GWQC, and the remaining six pesticides were detected below the NJDEP GWQC. A total of 23 TAL metals were detected in site groundwater. Eleven TAL metals were detected above the NJDEP GWQC, and the remaining 12 TAL metals were detected below the NJDEP GWQC.

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

During 16 groundwater sampling rounds and two low-flow sampling rounds, one pesticide was detected above its NJDEP GWQC in at least one sample at the CW-6 Pesticide Storage site.

Heptachlor epoxide was detected at concentrations exceeding the GWQC of 0.2 ug/L during one separate round of sampling collected at one separate monitoring well location (CW6-MW1) at a concentration of 0.271 ug/L (sampling round #11).

5.1.4 TAL Metals

During 16 groundwater sampling rounds and two low-flow sampling rounds, a total of 11 TAL metals were detected above their respective NJDEP GWQC in at least one sample at the CW-6 Pesticide Storage site.

Aluminum was detected at concentrations exceeding the GWQC of 200 ug/L during 18 separate rounds of sampling collected at four separate monitoring well locations. Concentrations ranged from 204 ug/L in CW6-MW34 (sampling round #5) to 183,000 ug/L in CW6-MW2 (Low-flow #2).

Arsenic was detected at concentrations exceeding the GWQC of 8.0 ug/L during nine separate rounds of sampling collected at two separate monitoring well locations. Concentrations ranged from 8.87 ug/L in CW6-MW1 (sampling round #10) to 88 ug/L in CW6-MW1 (sampling round #6).

Barium was detected at concentrations exceeding the GWQC of 2,000 ug/L during one separate round of sampling collected at one separate monitoring well location (CW6-MW1) at a concentration of 2.3 ug/L (sampling round #6).

Beryllium was detected at concentrations exceeding the GWQC of 20 ug/L during one separate round of sampling collected at one separate monitoring well location (CW6-MW1) at a concentration of 20.5 ug/L (sampling round #6).

Chromium was detected at concentrations exceeding the GWQC of 100 ug/L during two separate rounds of sampling collected at one separate monitoring well location (CW6-MW1) at concentrations ranging from 139 ug/L (Low-flow #1) to 482 ug/L (sampling round #16).

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 451 ug/L in CW6-MW3 (sampling round #10) to 159,000 ug/L in CW6-MW2 (Low-flow #2).

Lead was detected at concentrations exceeding the GWQC of 10 ug/L during 13 separate rounds of sampling collected at three separate monitoring well locations. Concentrations ranged from 13.9 ug/L in CW6-MW34 (Low-flow #2) to 522 ug/L in CW6-MW1 (sampling round #6).

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 54 ug/L in CW6-MW34 (sampling round #1) to 1,120 ug/L in CW6-MW1 (sampling round #6).

Nickel was detected at concentrations exceeding the GWQC of 100 ug/L during two separate rounds of sampling collected at two separate monitoring well locations. Concentrations ranged from 114 ug/L in CW6-MW1 (sampling round #6) to 53,500 ug/L in CW6-MW3 (sampling round #12).

Silver was detected at concentrations exceeding the GWQC of 20 ug/L during four separate rounds of sampling collected at two separate monitoring well locations. Concentrations ranged from 21 ug/L in CW6-MW1 (sampling round #1) to 259 ug/L in CW6-MW1 (sampling round #14).

Sodium was detected at concentrations exceeding the GWQC of 50,000 ug/L during ten separate rounds of sampling collected at two separate monitoring well locations. Concentrations ranged from 54,500 ug/L in CW6-MW2 (sampling round #9) to 332,000 ug/L in CW6-MW1 (Low-flow #1).

5.2 Contaminants of Concern

No VOCs or SVOCs were detected above the NJDEP criteria. There was one pesticide detected in groundwater samples above the laboratory method detection limit and above the NJDEP criteria. There were 11 TAL metals detected above their respective NJDEP GWQC. **Table 5-1** presents a summary of each individual analyte's exceedences of the NJDEP GWQC.

As presented in the Weston SI Report (1995), several natural and man-made factors contribute to the wide range in concentrations of metals in soils, which further impact the concentration of metals in groundwater. Soils derived from the glauconitic sands contain abundant aluminum, calcium, potassium, iron, magnesium, and manganese (among others), which are likely to be present at elevated concentrations in the groundwater, particularly when sediments are entrained in the collected groundwater samples. A low flow sampling methodology was proposed for use by the DPW and accepted by the NJDEP to assess the impact of suspended sediments on the dissolved phase metals concentrations at the site. Using a low flow sampling methodology to reduce the

presence of suspended sediment yielded substantial reductions in the dissolved phase concentrations of metals, particularly for the constituents regarded as "non-native" (e.g., arsenic, antimony, beryllium, cadmium, chromium, cobalt, lead, mercury, selenium, silver, thallium, 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 11 TAL metals detected in site groundwater at concentrations exceeding the NJDEP GWQC (aluminum, arsenic, barium, beryllium, chromium, iron, lead, manganese, nickel, silver and sodium) are distinguished into background metals and non-native metals. The indigenous metals are compared to the Fort Monmouth Summary of site-specific Maximum Background Concentrations (MBCs), identified in the Weston SI (1995), which are presented in **Table 5-2**. The non-native metals are discussed in relation to the NJDEP GWQC only.

Of the 11 TAL metals detected that exceeded the NJDEP GWQC, six TAL metals (aluminum, barium, iron, manganese, nickel and sodium) are common background constituents in Monmouth County and the Charles Wood Area soils. The water chemistry in areas underlain by glauconitic sediments (such as Red Bank, Tinton and Hornerstown Sands) is dominated by calcium, magnesium, manganese, aluminum and iron. Elevated concentrations of these metals are routinely observed in groundwater samples collected at Fort Monmouth. The groundwater analytical results for (aluminum, barium, iron, manganese, nickel and sodium) were compared with the low-flow sampling results to their respective MBCs. These six background metals are not considered to be COCs in site groundwater.

There were five non-native metals that exceeded the NJDEP GWQC (arsenic, beryllium, chromium, lead and silver). The groundwater analytical results were compared with the low-flow sampling results to the NJDEP GWQC. The two separate rounds of low-flow sampling were performed during the quarterly groundwater sampling program, using the low-flow groundwater sampling technique as discussed in **Section 3.2.1**. This technique was used to determine if the detected metal concentrations observed in the groundwater samples are a function of contaminated sediments suspended in the groundwater during the course of well purging and sampling activities, or an accurate representation of aquifer/groundwater conditions. This low-flow sampling approach resulted in reduced concentrations or non-detections of two uncharacteristic metals (beryllium and silver) during the two rounds of low-flow groundwater sampling conducted at the site. Therefore, the two non-native metals (beryllium and silver) that exceeded the NJDEP GWQC are not considered to be COCs in CW-6 Pesticide Storage site groundwater.

Chromium was detected above the NJDEP GWQC in one monitoring well location in two separate rounds of groundwater sampling. The two exceedences are isolated to one monitoring well location, and therefore chromium is not considered to be a COC.

Arsenic was detected above the NJDEP GWQC in one monitoring well location in eight separate rounds of groundwater sampling. The exceedences in the two low-flow sampling rounds are isolated to one monitoring well, therefore arsenic is not considered to be a COC.

The use of the low-flow sampling approach did not eliminate the detection of the one uncharacteristic metal (lead), which persisted at concentrations exceeding the NJDEP GWQC during the two low-flow sampling rounds mentioned above. Lead was detected above the NJDEP GWQC in all four monitoring well locations in 14 separate rounds of groundwater sampling. However, due to the low concentrations of lead in groundwater at the CW-6 Pesticide Storage site and the extremely slow migration rates for lead in the site groundwater, there is little potential for a significant lead impact by migration. The Wenonah Mount Laurel aquifer, which is approximately 125 feet bgs, is too deep to be affected by lead near the ground surface. In addition, the sensitive receptor survey (performed at various sites within Fort Monmouth - **See M-12 Remedial Investigation Report by Versar, 2003**) indicates that there are no domestic or irrigation wells that are close enough to the CW-6 Pesticide Storage site to be adversely impacted by COC migration.

5.3 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 19 method blanks for VOCs, 17 method blanks for SVOCs, 19 method blanks for pesticides and PCBs, 18 method blanks for TAL metals, 17 trip blanks, 20 field blanks and 19 field duplicate samples. Samples were analyzed by the FMETL within the prescribed holding time requirements for each analytical method.

Method Blanks

Laboratory method blanks accompanied each batch of samples for the CW-6 Pesticide Storage 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 19 method blanks for VOCs, 17 method blanks for SVOCs, 19 method blanks for pesticides and PCBs and 18 method blanks for TAL metals were analyzed with the CW-6 Pesticide Storage site samples.

Seven SVOCs were detected in two method blank samples. These SVOCs were benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, bis(2-ethylhexyl)phthalate, dibenz(a,h)anthracene and di-n-butylphthalate. None of these SVOCs were detected at a concentration exceeding their respective NJDEP criteria. Their presence in only two samples is not indicative of a widespread laboratory contamination problem.

Several metals were detected in at least one method blank sample, including aluminum, antimony, barium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, sodium, vanadium, and zinc. Most of

the metals were detected in only a few samples at very low concentrations. However, lead was detected in one method blank at a concentration greater than its NJDEP criteria. Lead also found in the CW-6 Pesticide Storage site groundwater samples at levels exceeding its NJDEP criteria. 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. However, metals are not COCs for the CW-6 Pesticide Storage site, so the impact to the project results is minimal.

Trip Blanks

Seventeen trip blanks were included as part of the CW-6 Pesticide Storage 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.

Three VOCs were detected in at least one trip blank. Acetone was detected in two trip blanks at concentrations below its NJDEP criteria. Chloroform was detected in four of the 17 trip blanks, with no detections exceeding the NJDEP criteria Methylene chloride was detected in one of the trip blanks, and the detected concentration exceeded 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.

Field Blanks

One field blank sample was obtained during the sampling activities each day to document the equipment decontamination procedures. A total of 20 field samples (e.g., field blanks) were collected during the CW-6 Pesticide Storage 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 CW-6 Pesticide Storage site groundwater samples.

The results of the field blank analyses showed that one VOC was detected in at least one field blank. Chloroform was detected in four of the 20 field blanks, all at concentrations below the NJDEP criteria. As noted for the trip blanks, the detections of chloroform indicate that the sample handling procedures, including the sample glassware, may have introduced contamination into the sampling and analysis process. In addition, the same VOC found in the field blanks was also found in the trip blanks, suggesting that the sampling and decontamination procedures did not introduce additional contamination.

Two SVOC, 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, both of these compounds were also identified in the method blanks; therefore, there presence in the field blank

samples does not suggest that the sampling and decontamination procedures introduced additional contamination.

As noted for the method blanks, several metals were detected in at least one field blank sample, including aluminum, arsenic, barium, cadmium, calcium, chromium, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, silver, sodium, thallium, vanadium and zinc. All of the metals were detected in only a few samples at very low concentrations. 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

Nineteen field duplicate samples were also collected during the CW-6 Pesticide Storage site sampling events to verify the consistency of the entire sampling and analytical procedure. The results for all of the duplicate samples were close to those obtained for the original samples. The relative percent differences (RPDs), which are the differences between the two samples being compared divided by their average, indicate the relative levels of precision maintained by the laboratory throughout its analytical procedures. The RPDs for the duplicate samples VOCs was 11.5%. The RPDs for the duplicate samples pesticides and PCBs was 0.0%. These RPDs are well below the established limit of 30% for laboratory duplicate samples and indicate that a high level of precision was maintained throughout the sampling and analytical procedures.

The RPDs for the duplicate samples metals analyses ranged from 0.0% to 197.7%, however, the average RPDs for all of the metals results is 29.4%. This indicates that, overall, good precision was maintained, but that the metals results were much more varied than those for the VOCs or pesticides/PCBs. 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 CW-6 Pesticide Storage site is located within an aquitard (the Navesink-Hornerstown Confining Unit). The low hydraulic conductivity of the aquitard and the thickness of the aquitard at the site conform to the requirements of a Class III-A aquifer, as specified in the NJDEP GWQS (NJAC 7:9-6, January 7, 1993).

The analytical results for the groundwater samples collected at the CW-6 Pesticide Storage site between April 1997 and February 2001 indicate that no COCs exist within the CW-6 Pesticide Storage site groundwater. The Class II-A criteria were used for comparison with site-specific data obtained from the various groundwater sampling rounds because the GWQS (NJAC 7:9-6.7e) state that the groundwater quality criteria to be used for Class III-A aquifers are the most stringent criteria associated with vertically or horizontally adjacent groundwaters that are not Class III-A.

One pesticide (heptachlor epoxide) was detected above the NJDEP GWQC and is considered to be an isolated and marginal exceedance, and therefore is not considered to be a COC. There were 11 metals (aluminum, arsenic, barium, beryllium, chromium, iron, lead, manganese, nickel, silver and sodium) detected in groundwater samples at concentrations exceeding the NJDEP GWQC.

One metal, lead, was further considered as a COC; however, due to the low concentrations and the slow migration rate of the COC in groundwater at the CW-6 Pesticide Storage site, there is little potential for significant COC impact by migration. The Wenonah Mount Laurel aquifer, which is approximately 125 feet bgs, is too deep to be affected by the COC near the ground surface. In addition, the sensitive receptor survey (performed at various sites within Fort Monmouth - See M-12 Remedial Investigation Report by Versar 2003) indicates that there are no domestic or irrigation wells that are close enough to the CW-6 Pesticide Storage site to be adversely impacted by COC migration.

Overall, the lead distribution in groundwater does not suggest an association with any source and is more indicative of natural background conditions or a regional source, therefore, lead is not considered a COC. NFA is requested concerning groundwater at the CW-6 Pesticide Storage site.

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TABLES

Table 2-1
Well Construction Summary
CW-6 Pesticide Storage 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**	**--**	**--**
CW6-MW1	29-30970	533320.756	610460.9	35.06	32.85	8	15.0	2.0	13.0	4.0	20 Slot PVC	6/30/1994
CW6-MW2	29-30971	533259.848	610420.127	35.05	32.19	8	15.0	2.0	13.0	4.0	20 Slot PVC	7/1/1994
CW6-MW3	29-30972	533362.198	610451.403	36.34	33.79	8	15.0	2.0	13.0	4.0	20 Slot PVC	12/16/1994
CW6-MW34	29-32597	533200.247	610576.992	33.76	31.97	12	14.5	4.5	9.54	4.0	10 Slot PVC	1/3/1995

Notes:
[1]amsl = above mean sea level
[2]bgs = below ground surface
Where a difference in reported data exists between a monitoring well permit and the corresponding boring log, data from the permit was used.

Table 3-1
Groundwater Sampling Summary
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

Round #	Sample ID	Monitoring Well ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
	2494.05	MW-1	4/30/1997	05/02/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2494.03	MW-2	4/30/1997	05/02/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2494.04	MW-3	4/30/1997	05/03/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
1	2494.06	MW-34	4/30/1997	05/03/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2494.01	Trip Blank	4/30/1997	05/02/97	Aqueous	GW	VOCs	Method 624
	2494.02	Field Blank	4/30/1997	05/02/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2494.07	Duplicate	4/30/1997	05/03/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2947.03	MW-1	9/2/1997	09/08/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2943.04	MW-2	8/29/1997	09/02/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2943.03	MW-3	8/29/1997	09/02/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
2	2947.04	MW-34	9/2/1997	09/08/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2943.01	Trip Blank	8/29/1997	09/08/97	Aqueous	GW	VOCs	Method 624
	2947.02	Field Blank	8/29/1997	09/08/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	2943.05	Duplicate	08/29/97	09/02/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3186.06	MW-1	12/1/1997	12/05/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3186.04	MW-2	12/1/1997	12/09/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3186.03	MW-3	12/1/1997	12/05/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
3	3186.05	MW-34	12/1/1997	12/05/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3186.01	Trip Blank	12/1/1997	12/05/97	Aqueous	GW	VOCs	Method 624
	3186.02	Field Blank	12/1/1997	12/10/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3186.07	Duplicate	12/1/1997	12/10/97	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3388.03	MW-1	3/5/1998	03/09/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3388.03	MW-2	3/5/1998	03/10/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3388.05	MW-3	3/5/1998	03/10/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
4	3388.06	MW-34	3/5/1998	03/10/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3388.01	Trip Blank	3/5/1998	03/09/98	Aqueous	GW	VOCs	Method 624
	3388.02	Field Blank	3/5/1998	03/09/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3388.07	Duplicate	3/5/1998	03/10/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3650.03	MW-1	06/15/98	06/22/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3650.04	MW-2	06/15/98	06/22/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3650.05	MW-3	06/15/98	06/22/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
5	3650.06	MW-34	06/15/98	06/22/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3650.01	Trip Blank	06/15/98	06/22/98	Aqueous	GW	VOCs	Method 624
	3650.02	Field Blank	06/15/98	06/16/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3650.07	Duplicate	06/15/98	06/16/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3901.04	MW-1	9/22/1998	10/02/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3901.05	MW-2	9/22/1998	10/02/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3901.06	MW-3	9/22/1998	10/02/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
6	3901.07	MW-34	9/22/1998	10/02/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3901.01	Trip Blank	9/22/1998	10/01/98	Aqueous	GW	VOCs	Method 624
	3901.02	Field Blank	9/22/1998	10/01/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	3901.03	Duplicate	9/22/1998	10/01/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B

Table 3-1
Groundwater Sampling Summary
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

Round #	Sample ID	Monitoring Well ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
7	4111.03	MW-1	12/4/1998	12/09/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4111.04	MW-2	12/4/1998	12/09/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4111.05	MW-3	12/4/1998	12/09/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4111.06	MW-34	12/4/1998	12/10/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4111.01	Trip Blank	12/4/1998	12/09/98	Aqueous	GW	VOCs	Method 624
	4111.02	Field Blank	12/4/1998	12/07/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4111.07	Duplicate	12/4/1998	12/18/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
8	4280.03	MW-1	2/17/1999	02/23/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4280.04	MW-2	2/17/1999	02/23/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4280.05	MW-3	2/17/1999	02/23/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4280.06	MW-34	2/17/1999	02/23/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4280.01	Trip Blank	2/17/1999	02/24/98	Aqueous	GW	VOCs	Method 624
	4280.02	Field Blank	2/17/1999	02/24/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4280.07	Duplicate	2/17/1998	02/24/98	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
9	4562.03	MW-1	6/18/1999	06/22/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4562.04	MW-2	6/18/1999	06/22/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4562.05	MW-3	6/18/1999	06/22/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4562.06	MW-34	6/18/1999	06/22/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4562.01	Trip Blank	6/18/1999	06/22/99	Aqueous	GW	VOCs	Method 624
	4562.02	Field Blank	6/18/1999	06/22/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4562.07	Duplicate	6/18/1999	06/22/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
10	4705.03	MW-1	8/10/1999	08/11/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4705.04	MW-2	8/10/1999	08/11/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4705.05	MW-3	8/10/1999	08/11/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4705.06	MW-34	8/10/1999	08/11/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4705.01	Trip Blank	8/10/1999	08/11/99	Aqueous	GW	VOCs	Method 624
	4705.02	Field Blank	8/10/1999	08/11/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4705.07	Duplicate	8/10/1999	08/11/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
11	4942.04	MW-1	11/15/1999	11/22/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4942.05	MW-2	11/15/1999	11/22/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4942.06	MW-3	11/15/1999	11/22/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4942.07	MW-34	11/15/1999	11/22/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4942.01	Trip Blank	11/15/1999	11/24/99	Aqueous	GW	VOCs	Method 624
	4942.02	Field Blank	11/15/1999	11/24/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	4942.07	Duplicate	11/15/1999	11/24/99	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
12	5291.01	MW-1	3/27/2000	04/01/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5291.02	MW-2	3/27/2000	04/01/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5291.03	MW-3	3/27/2000	04/01/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5291.04	MW-34	3/27/2000	04/01/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5291.07	Trip Blank	3/27/2000	04/01/00	Aqueous	GW	VOCs	Method 624
	5291.05	Field Blank	3/27/2000	04/01/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5291.06	Duplicate	3/27/2000	04/01/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B

Table 3-1
Groundwater Sampling Summary
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

Round #	Sample ID	Monitoring Well ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
	5480.04	MW-1	6/15/2000	06/17/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5480.05	MW-2	6/15/2000	06/17/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5480.06	MW-3	6/15/2000	06/17/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
13	5480.07	MW-34	6/15/2000	06/17/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5480.01	Trip Blank	6/15/2000	06/17/00	Aqueous	GW	VOCs	Method 624
	5480.02	Field Blank	6/15/2000	06/17/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5480.03	Duplicate	6/15/2000	06/17/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5680.04	MW-1	8/31/2000	09/11/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5680.05	MW-2	8/31/2000	09/11/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5680.06	MW-3	8/31/2000	09/11/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
14	5680.07	MW-34	8/31/2000	09/11/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5680.01	Trip Blank	8/31/2000	09/11/00	Aqueous	GW	VOCs	Method 624
	5680.02	Field Blank	8/31/2000	09/11/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5680.03	Duplicate	8/31/2000	09/11/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5848.04	MW-1	11/9/2000	11/14/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5848.05	MW-2	11/9/2000	11/14/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5848.06	MW-3	11/9/2000	11/14/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
15	5848.07	MW-34	11/9/2000	11/14/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5848.01	Trip Blank	11/9/2000	11/13/00	Aqueous	GW	VOCs	Method 624
	5848.02	Field Blank	11/9/2000	11/13/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5848.03	Duplicate	11/9/2000	11/13/00	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	5665.04	MW-1	8/28/2000	09/07/00	Aqueous	GW	TAL Metals	Method 3120B
	5684.03	MW-2	9/1/2000	09/08/00	Aqueous	GW	TAL Metals	Method 3120B
Low Flow 1	5665.05	MW-3	8/28/2000	09/07/00	Aqueous	GW	TAL Metals	Method 3120B
	5665.03	MW-34	8/28/2000	09/07/00	Aqueous	GW	TAL Metals	Method 3120B
	NA	Trip Blank	NA	NA	NA	NA	NA	NA
	5665.01	Field Blank	9/1/2000	09/08/00	Aqueous	GW	TAL Metals	Method 3120B
	5665.02	Duplicate	8/28/2000	09/07/00	Aqueous	GW	TAL Metals	Method 3120B
	5771.04	MW-1	10/5/2000	10/10/00	Aqueous	GW	TAL Metals	Method 3120B
	5771.06	MW-2	10/5/2000	10/10/00	Aqueous	GW	TAL Metals	Method 3120B
	5771.05	MW-3	10/5/2000	10/10/00	Aqueous	GW	TAL Metals	Method 3120B
Low Flow 2	5771.03	MW-34	10/5/2000	10/10/00	Aqueous	GW	TAL Metals	Method 3120B
	NA	Trip Blank	NA	NA	NA	NA	NA	NA
	5771.01	Field Blank	10/5/2000	10/10/00	Aqueous	GW	TAL Metals	Method 3120B
	5771.02	Duplicate	10/5/2000	10/10/00	Aqueous	GW	TAL Metals	Method 3120B
	553	MW-1	2/2/2001	02/07/01	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	554	MW-2	2/2/2001	02/07/01	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	555	MW-3	2/2/2001	02/07/01	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
16	558	MW-34	2/2/2001	02/07/01	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	550	Trip Blank	2/2/2001	02/07/01	Aqueous	GW	VOCs	Method 624
	551	Field Blank	2/2/2001	02/07/01	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B
	552	Duplicate	2/2/2001	02/07/01	Aqueous	GW	VOCs, SVOCs, Pesticides, PCBs, TAL Metals	Method 624, 625, 608, 3120B, 3112B

Notes:
GW : Groundwater
VOCs: Volatile Organic Compounds
SVOCs: Semi Volatile Organic Compounds
PCBs: Poly Chloronated Biphenols
*Low Flow Sampling Method was used to collect sample

Table 3-2
Groundwater Elevation Summary
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

		#1			#2			#3			#4		
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.
CW6MW1	35.06	04/30/97	3.60	31.46	09/02/97	4.80	30.26	12/01/97	4.20	30.86	03/05/98	3.38	31.58
CW6MW2	35.05	04/30/97	3.03	32.02	08/29/97	5.80	29.25	12/01/97	4.10	30.95	03/05/98	2.81	32.24
CW6MW3	36.34	04/30/97	3.90	32.44	08/29/97	6.50	29.84	12/01/97	4.80	31.54	03/05/98	3.32	33.02
CW6MW34	33.76	04/30/97	3.75	30.01	09/02/97	4.90	28.86	12/01/97	4.25	29.51	03/05/98	3.78	29.98

Notes:

1) Elevation in feet
above mean sea level.

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

3) NM: Not Measured

Table 3-2
Groundwater Elevation Summary
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

		#5			#6			#7			#8		
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.
CW6MW1	35.06	06/15/98	3.47	31.59	09/22/98	6.21	28.85	12/04/98	8.25	26.81	02/17/99	4.24	30.82
CW6MW2	35.05	06/15/98	3.06	31.99	09/22/98	6.22	28.83	12/04/98	6.51	28.54	02/17/99	4.11	30.94
CW6MW3	36.34	06/15/98	3.98	32.36	09/22/98	7.15	29.19	12/04/98	7.37	28.97	02/17/99	4.73	31.61
CW6MW34	33.76	06/15/98	5.54	28.22	09/22/98	6.31	27.45	12/04/98	NM	NM	02/17/99	4.23	29.53

Notes:

1) Elevation in feet above mean sea level.

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

3) NM: Not Measured

Table 3-2
Groundwater Elevation Summary
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

		#9			#10			#11			#12		
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.
CW6MW1	35.06	06/18/99	5.93	29.13	08/10/99	7.36	27.70	11/15/99	5.06	30.00	03/27/00	4.28	30.78
CW6MW2	35.05	06/18/99	5.93	29.12	08/10/99	7.04	28.01	11/15/99	5.00	30.05	03/27/00	3.88	31.17
CW6MW3	36.34	06/18/99	6.72	29.62	08/10/99	7.75	28.59	11/15/99	5.93	30.41	03/27/00	4.73	31.61
CW6MW34	33.76	06/18/99	6.28	27.48	08/10/99	7.12	26.64	11/15/99	4.91	28.85	03/27/00	4.11	29.65

Notes:

1) Elevation in feet
above mean sea level.

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

3) NM: Not Measured

Table 3-2
Groundwater Elevation Summary
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

		#13			#14			Low-flow #1			#15		
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.
CW6MW1	35.06	05/08/00	7.15	27.91	06/15/00	4.84	30.22	08/28/00	5.00	30.06	08/31/00	5.00	30.06
CW6MW2	35.05	05/08/00	6.96	28.09	06/15/00	4.68	30.37	09/01/00	5.05	30.00	08/31/00	4.86	30.19
CW6MW3	36.34	05/08/00	7.29	29.05	06/15/00	6.47	29.87	08/28/00	5.55	30.79	08/31/00	5.57	30.77
CW6MW34	33.76	05/08/00	8.13	25.63	06/15/00	4.80	28.96	08/28/00	5.15	28.61	08/31/00	6.20	27.56

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

Table 3-2
Groundwater Elevation Summary
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

		Low-flow #2			#16			#17		
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.
CW6MW1	35.06	10/05/00	4.15	30.91	11/09/00	5.34	29.72	02/02/01	3.87	31.19
CW6MW2	35.05	10/05/00	4.00	31.05	11/09/00	5.44	29.61	02/02/01	3.09	31.96
CW6MW3	36.34	10/05/00	4.50	31.84	11/09/00	6.05	30.29	02/02/01	3.91	32.43
CW6MW34	33.76	10/05/00	4.20	29.56	11/09/00	5.33	28.43	02/02/01	3.77	29.99

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

Table 4-1
Data for Cross-Section
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

Well ID	Units	CW6-MW3	CW6-MW1	CW6-MW2	CW6-MW34
Elevation of Top of Casing	ft (amsl)	36.34	35.06	35.05	33.76
Elevation of Ground Surface	ft (amsl)	33.79	32.85	32.19	31.97
Elevation of Top of Screen	ft (amsl)	31.79	30.85	30.19	27.47*
Elevation of Groundwater (Feb 01)	ft (amsl)	3.91	3.87	3.09	3.77
Elevation of Top of Unit 2	ft (amsl)	32.79	32.35	31.69	31.97
Elevation of Top of Unit 3	ft (amsl)	19.79	19.85	19.19	NA
Elevation of Top of Unit 4	ft (amsl)	NA	NA	NA	27.97
Elevation of Bottom of Well	ft (amsl)	18.79	17.85	17.19	17.47
Distance from Point A on Cross-Section	ft	0	41	84	195

Explanation of Units

Surface Materials:

Unit 1 (not in table) = Brown topsoil

Unit 2 = Fill: Brown, green, and gray poorly sorted sand and gravel, trace wood fragments and iron oxide stains.

Tinton Sand:

Unit 3 = greenish gray quartz sand and silt, trace mica and .layers of sub-rounded quartz gravel

Notes:

All measurements in feet.

amsl: above mean sea level.

NA: Not Applicable.

*Refer to Minard, 1969.

Table 5-1
Groundwater Sampling Results
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

			CW6-MW1			NJDEP#	29-30970													
Field Sample Location	NJDEP	Site Specific	CW6-MW1	CW6-MW1	CW6-MW1	CW6-MW1	CW6-MW1	CW6-MW1	CW6-MW1	CW6-MW1	CW6-MW1	CW6-MW1	CW6-MW1	CW6-MW1	CW6-MW1	CW6-MW1	CW6-MW1	CW6-MW1	CW6-MW1	CW6-MW1
Lab Sample ID		MBC[1]	2494.05	2947.03	3186.06	3388.03	3650.03	3901.04	4111.03	4280.03	4562.03	4705.03	4942.04	5291.01	5480.04	5665.04	5680.04	5771.04	5848.04	553
Sample Date			4/30/97	9/2/97	12/1/97	3/5/98	6/15/98	9/22/98	12/4/98	2/17/99	6/18/99	8/10/99	11/15/99	3/27/00	6/15/00	8/28/00	8/31/00	10/5/00	11/9/00	2/2/01
Round Number			1	2	3	4	5	6	7	8	9	10	11	12	13	LF1	14	LF2	15	16
Volatiles (ug/L)																				
Acetone	**700**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	7.78	3.75
Chloroform	**6**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND
Semi-Volatiles (ug/L)																				
bis(2-ethylhexyl)phthalate	**30**	**N/A**	ND	ND	ND	1.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND
Di-n-octylphthalate	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND
Di-n-butylphthalate	**900**	**N/A**	ND	ND	1.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND
Butylbenzylphthalate	**100**	**N/A**	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND
Pesticide/PCB (ug/L)																				
Heptachlor Epoxide	**0.20**	**N/A**	0.029	0.035	0.024	0.026	0.02	ND	ND	0.028	ND	ND	**0.271**	0.027	ND	ND	ND	0.039	ND	ND
Endosulfan I	**0.40**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	**0.10**	**N/A**	0.026	0.027	0.023	0.014	ND	ND	0.024	0.013	ND	ND	ND	0.014	ND	ND	ND	0.027	ND	ND
4,4'-DDT	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.009	ND	ND
4,4'-DDE	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-chlordane	**0.50**	**N/A**	0.057	0.096	0.057	0.031	0.054	ND	0.05	0.062	ND	0.021	0.284	0.038	ND	ND	ND	0.066	ND	ND
Gamma-chlordane	**0.50**	**N/A**	0.038	0.054	0.025	0.025	0.031	ND	0.021	0.03	ND	0.031	0.307	0.046	ND	ND	ND	0.053	ND	ND
Metals (ug/L)																				
Aluminum	**200**	**121000**	**291.7**	**361.8**	**303**	**373.8**	**541**	**77700**	**237**	91.2	**638**	**661**	**590**	116	162	197	**440**	183	**383**	**652**
Antimony	**20**	**N/A**	0.6	1.7	ND	ND	ND	ND	2.46	ND	ND	2.94	ND	ND	ND	ND	2.72	ND	ND	ND
Arsenic	**8**	**N/A**	2	4	ND	ND	5.1	**88**	**10.8**	ND	4.74	**8.87**	2.33	ND	ND	4.06	ND	2.73	3.12	4.26
Barium	**2000**	**699**	8.2	ND	8.9	9.8	8.1	**2020**	22.9	9.83	10.4	15.9	9.86	11	40.9	64.9	48.5	44.8	29.6	16.2
Beryllium	**20**	**N/A**	0.1	ND	ND	ND	ND	**20.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	**4**	**N/A**	ND	ND	ND	2	2.1	1.9	ND	1.56	1.34	1.93	ND	ND	ND	ND	ND	ND	ND	3.87
Calcium	**NLE**	**45400**	30600	21020	28140	25000	29920	92400	56100	42400	33400	30900	29200	25100	79400	126000	87500	79200	60200	31100
Chromium	**100**	**N/A**	5.4	53	2.9	ND	ND	65.3	7.36	5.83	5.64	8.07	5.34	2.85	9.82	ND	ND	7.15	5.32	6.99
Cobalt	**NLE**	**N/A**	2	ND	ND	1.2	1.2	49.3	1.67	ND	1.12	0.915	ND	ND	1.37	1.72	1.26	1.41	0.974	2.02
Copper	**1000**	**65.6**	61	30	29	48.5	102	124	24.9	23.9	43.4	20.4	33.1	6.93	10.7	ND	ND	48.4	59.7	40.3
Iron	**300**	**431000**	**1880**	**790**	**468**	**1953**	**2414**	**112000**	**2190**	**1140**	**1930**	**4760**	**1190**	**2270**	**1650**	**1930**	**1140**	**1910**	**2600**	**3290**
Lead	**10**	**N/A**	2	2.3	**25**	4.1	2.7	**522**	3.17	ND	ND	4.59	ND	ND	ND	1.76	1.49	ND	ND	ND
Magnesium	**NLE**	**62700**	7690	5050	6370	5816	6636	43900	12300	10400	7740	7070	7270	5680	17300	23900	17600	15700	12100	6720
Manganese	**50**	**331**	**258**	**126**	**94.4**	**238.2**	**255**	**1120**	**516**	**278**	**270**	**229**	**90**	**178**	**516**	**713**	**457**	**499**	**409**	**449**
Mercury	**2**	**N/A**	ND	ND	0.3	0.5	0.6	0.2	0.44	ND	ND	ND	0.1	ND	ND	ND	0.1	ND	0.4	0.3
Nickel	**100**	**187**	ND	ND	4.6	12.5	13.3	**114**	5.71	5.64	2.07	4.72	4.12	3.6	6.35	ND	2.81	7.05	3.2	3.45
Potassium	**NLE**	**137000**	840	1400	ND	1099	1838	25000	2410	1060	1980	1730	1820	1550	5110	10900	8020	7490	6080	2850
Selenium	**50**	**N/A**	2	ND	ND	ND	ND	ND	4.07	4.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	**20**	**N/A**	**21**	6	ND	ND	ND	ND	ND	ND	ND	**37.9**	ND	ND	ND	ND	**259**	ND	ND	ND
Sodium	**50000**	**21500**	24110	23730	17320	18070	20990	**107000**	20200	28600	21900	17800	19300	10600	**125000**	**332000**	**227000**	**226000**	**185000**	**93400**
Thallium	**10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	**NLE**	**N/A**	7.7	ND	ND	2.3	6.8	67	6.14	1.89	6.97	9.9	4.07	3.56	2.78	1.12	ND	2.18	5.25	6.53
Zinc	**5000**	**233**	130	17	87	54.4	39.6	832	35.1	38.5	ND	25.6	28.2	15.6	34.8	38.7	25.9	17.6	20.8	15.6

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.

LF: Low Flow Sampling

Table 5-1
Groundwater Sampling Results
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

			CW6-MW2			NJDEP#	29-30971													
Field Sample Location	NJDEP	Site Specific	CW6-MW2	CW6-MW2	CW6-MW2	CW6-MW2	CW6-MW2	CW6-MW2	CW6-MW2	CW6-MW2	CW6-MW2	CW6-MW2	CW6-MW2	CW6-MW2	CW6-MW2	CW6-MW2	CW6-MW2	CW6-MW2	CW6-MW2	CW6-MW2
Lab Sample ID		MBC[1]	2494.03	2943.04	3186.06	3388.03	3650.04	3901.05	4111.04	4280.04	4562.04	4705.04	4942.05	5291.02	5480.05	5680.05	5684.03	5771.06	5848.05	554
Sample Date			4/30/97	8/29/97	12/1/97	3/5/98	6/15/98	9/22/98	12/4/98	2/17/99	6/18/99	8/10/99	11/15/99	3/27/00	6/15/00	8/31/00	9/1/00	10/5/00	11/9/00	2/2/01
Round Number			1	2	3	4	5	6	7	8	9	10	11	12	13	14	LF 1	LF2	15	16
Volatiles (ug/L)																				
Acetone	**700**	**N/A**	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	11.15	ND
Chloroform	**6**	**N/A**	ND	ND	ND	ND	1.14	ND	ND	1.38	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Semi-Volatiles (ug/L)																				
bis(2-ethylhexyl)phthalate	**30**	**N/A**	4.95	ND	ND	ND	ND	ND	ND	1.53	2	ND	ND	ND	ND	ND	NS	NS	ND	ND
Di-n-octylphthalate	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	1.89	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Di-n-butylphthalate	**900**	**N/A**	81.36	ND	1.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Butylbenzylphthalate	**100**	**N/A**	18.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Pesticide/PCB (ug/L)																				
Heptachlor Epoxide	**0.20**	**N/A**	ND	NA	ND	ND	ND	0.023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	**0.40**	**N/A**	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	**0.10**	**N/A**	ND	NA	ND	ND	ND	0.026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	**0.10**	**N/A**	ND	NA	ND	ND	ND	0.018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-chlordane	**0.50**	**N/A**	ND	NA	ND	ND	ND	0.056	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-chlordane	**0.50**	**N/A**	ND	NA	ND	ND	ND	0.033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ug/L)																				
Aluminum	**200**	**121000**	**258**	**2600**	**10060**	**28570**	**37960**	**630**	**5040**	**26000**	**24700**	**3610**	**15700**	**87700**	**25000**	**21500**	**45500**	**183000**	**44300**	**86700**
Antimony	**20**	**N/A**	5	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	ND	2.94	ND	ND	ND	ND	ND
Arsenic	**8**	**N/A**	**22**	6	7	**17.9**	**48.1**	**13**	ND	7.88	2.94	ND	2.28	ND	ND	2.29	**58**	**77.5**	**11.5**	**34.2**
Barium	**2000**	**699**	729.3	290	114.4	231.4	467	21.9	63.4	176	107	59.3	75.9	143	126	129	701	935	281	473
Beryllium	**20**	**N/A**	11.77	5.45	1.7	3	5.6	ND	ND	2.47	1.3	ND	1.07	1.96	1.52	1.93	11.2	11.8	3.52	6.09
Cadmium	**4**	**N/A**	ND	4	ND	1.1	1.2	1.8	ND	1.76	1	0.664	0.931	0.943	ND	ND	ND	ND	ND	3.52
Calcium	**NLE**	**45400**	14240	16970	9660	14320	25710	57800	6240	13400	6840	5910	6430	9390	8990	9160	40300	35300	14500	21900
Chromium	**100**	**N/A**	2.6	43	6	5.7	25.1	6.5	8.29	21.8	10.3	8.78	9.45	11.7	17.7	0.615	20.5	**482**	82.4	**139**
Cobalt	**NLE**	**N/A**	12.3	ND	9.9	11.8	16	0.7	5.52	9.01	4.12	5.17	6.12	5.34	4.39	6.36	39.7	18	9.23	11.7
Copper	**1000**	**65.6**	39	14	18	26.3	32	42	4.15	12.6	ND	6.9	8.82	ND	8.66	ND	ND	55.9	ND	37
Iron	**300**	**431000**	**76540**	**7140**	**9943**	**21390**	**41540**	**5450**	**3500**	**17700**	**9570**	**2930**	**8610**	**28600**	**15400**	**12500**	**53100**	**159000**	**34900**	**73400**
Lead	**10**	**N/A**	**70.4**	**14.8**	**41**	**67.3**	**178**	6	8.28	**27.8**	8.42	ND	8.7	**14.9**	**17.5**	**20**	**231**	**187**	**42**	**93.5**
Magnesium	**NLE**	**62700**	29580	10430	7630	11320	15120	11600	3660	9440	5430	3080	5920	14700	6300	7050	31800	33700	12000	18700
Manganese	**50**	**331**	12	**228**	**108.6**	**180.5**	**337**	**355**	**78.6**	**136**	**68.5**	**58.8**	**68.7**	**89**	**90.6**	**89.3**	**501**	**423**	**160**	**260**
Mercury	**2**	**N/A**	ND	ND	0.3	0.5	0.2	0.5	ND	0.11	ND	ND	ND	ND	ND	ND	0.2	0.2	ND	ND
Nickel	**100**	**187**	30	50	42.3	31.2	36.4	6.1	11.7	22.9	4.73	10.7	13.2	5.41	7.55	9.27	92.2	49.5	19	24.6
Potassium	**NLE**	**137000**	5190	4490	3480	5721	11200	3070	2200	3450	2460	2290	2490	2260	2440	3070	7860	24200	7050	8920
Selenium	**50**	**N/A**	7	ND	ND	ND	ND	ND	ND	4.31	ND	ND	ND	ND	ND	ND	ND	3.4	ND	ND
Silver	**20**	**N/A**	**89**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**24.2**	ND	ND	ND	ND	ND
Sodium	**50000**	**21500**	**104500**	48940	21020	30750	46240	22200	27700	**57100**	**54500**	32100	32700	32900	47800	45200	29600	**123000**	**56400**	**77400**
Thallium	**10**	**N/A**	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	**NLE**	**N/A**	34.7	ND	3	14.7	29.6	9	6.28	17	9.17	6.29	7.27	19.6	13.1	6.61	28.3	374	70	115
Zinc	**5000**	**233**	301	274	278	325.2	437	24	96.3	160	44.2	74.1	104	78.6	85.2	120	730	402	148	234

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.

LF: Low Flow Sampling

Table 5-1
Groundwater Sampling Results
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

			CW6-MW3		NJDEP# 29-30972															
Field Sample Location	NJDEP	Site Specific	CW6-MW3	CW6-MW3	CW6-MW3	CW6-MW3	CW6-MW3	CW6-MW3	CW6-MW3	CW6-MW3	CW6-MW3	CW6-MW3	CW6-MW3	CW6-MW3	CW6-MW3	CW6-MW3	CW6-MW3	CW6-MW3	CW6-MW3	CW6-MW3
Lab Sample ID		MBC[1]	2494.04	2943.03	3186.06	3388.05	3650.05	3901.06	4111.05	4280.05	4562.05	4705.05	4942.06	5291.03	5480.06	5680.06	5665.05	5771.05	5848.06	555
Sample Date			4/30/97	8/29/97	12/1/97	3/5/98	6/15/98	9/22/98	12/4/98	2/17/99	6/18/99	8/10/99	11/15/99	3/27/00	6/15/00	8/31/00	9/1/00	10/5/00	11/9/00	2/2/01
Round Number			1	2	3	4	5	6	7	8	9	10	11	12	13	14	LF1	LF2	15	16
Volatiles (ug/L)																				
Acetone	**700**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Chloroform	**6**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Semi-Volatiles (ug/L)																				
bis(2-ethylhexyl)phthalate	**30**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Di-n-octylphthalate	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Di-n-butylphthalate	**900**	**N/A**	ND	ND	1.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Butylbenzylphthalate	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Pesticide/PCB (ug/L)																				
Heptachlor Epoxide	**0.20**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	**0.40**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	0.009	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-chlordane	**0.50**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-chlordane	**0.50**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ug/L)																				
Aluminum	**200**	**121000**	124.1	**292**	**293**	**506**	**335**	**934**	**425**	**1050**	**950**	**345**	**408**	**673**	165	**308**	**285**	**235**	**429**	**2250**
Antimony	**20**	**N/A**	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.54	ND	ND	ND	ND	ND	ND
Arsenic	**8**	**N/A**	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.04	ND	ND	ND	ND	ND	ND
Barium	**2000**	**699**	20.2	ND	27.1	27.3	19.1	38	43.3	30.4	30	33.8	33.5	27.4	26.3	39	53.4	52	52.1	12.2
Beryllium	**20**	**N/A**	0.16	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	**4**	**N/A**	ND	ND	1	2	0.7	ND	ND	2.31	0.575	ND	ND	3.51	ND	0.652	0.689	0.664	1.06	2.28
Calcium	**NLE**	**45400**	8960	7280	11740	11660	9745	8970	1020	11300	12100	13900	12600	15100	20100	9710	13000	11800	11000	11400
Chromium	**100**	**N/A**	0.8	21	2.4	ND	ND	7.5	3.82	3.4	3.19	2.39	1.35	ND	3.19	ND	ND	0.816	ND	10.4
Cobalt	**NLE**	**N/A**	2.6	ND	2.2	2.1	1.2	1.7	781	1.79	1.52	1.07	1.59	105	1.06	1.9	2.4	2.15	2.07	ND
Copper	**1000**	**65.6**	12	ND	10	11.4	ND	7	ND	6.13	ND	8.09	4.73	5.77	6.2	ND	ND	ND	ND	ND
Iron	**300**	**431000**	**595**	**2490**	**538**	**848.4**	**1165**	**3600**	**781**	**1110**	**542**	**451**	**604**	**2360**	**1010**	267	171	132	**481**	**4530**
Lead	**10**	**N/A**	0.8	9	**10**	ND	2.8	ND	ND	ND	ND	ND	ND	ND	6.7	3.47	1.69	ND	ND	1.71
Magnesium	**NLE**	**62700**	1990	1890	2370	2178	1548	2430	3120	2150	1990	2550	2130	29000	1910	2150	2750	2600	2520	1640
Manganese	**50**	**331**	17	15	34.1	43	29.1	24	28.5	37.1	17.5	19.5	16.4	**406**	17.7	19.9	40.9	28.8	29.8	7.77
Mercury	**2**	**N/A**	ND	ND	0.2	ND	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	**100**	**187**	ND	10	4.9	6.9	4.3	5.4	5.95	5.64	6.58	3.02	2.84	**53500**	3.75	ND	ND	3.61	ND	ND
Potassium	**NLE**	**137000**	360	380	ND	639.6	632	1240	936	411	702	901	728	534	571	739	900	753	639	3340
Selenium	**50**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	**20**	**N/A**	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	**50000**	**21500**	11370	7090	11830	10780	10860	7320	8720	14300	11600	15100	12400	10800	13800	15700	21400	14600	11200	4900
Thallium	**10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	**NLE**	**N/A**	ND	ND	ND	ND	ND	7	1.92	1.52	ND	1.24	ND	6.83	1.14	ND	ND	ND	1.66	10.1
Zinc	**5000**	**233**	40	36	135	87.7	56.2	14	46.2	48.4	10.6	18.3	35.4	10.3	103	85.3	110	64	60.9	12.3

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.

LF: Low Flow Sampling

Table 5-1
Groundwater Sampling Results
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

			CW6-MW34		NJDEP# 29-32599															
Field Sample Location	NJDEP	Site Specific	CW6-MW34	CW6-MW34	CW6-MW34	CW6-MW34	CW6-MW34	CW6-MW34	CW6-MW34	CW6-MW34	CW6-MW34	CW6-MW34	CW6-MW34	CW6-MW34	CW6-MW34	CW6-MW34	CW6-MW34	CW6-MW34	CW6-MW34	CW6-MW34
Lab Sample ID		MBC[1]	2494.06	2947.04	3186.05	3388.06	3650.06	3901.07	4111.06	4280.06	4562.06	4705.06	4942.05	5291.04	5480.07	5665.03	5680.07	5771.03	5848.07	558
Sample Date			4/30/97	9/2/97	12/1/97	3/5/98	6/15/98	9/22/98	12/4/98	2/17/99	6/18/99	8/10/99	11/15/99	3/27/00	6/15/00	8/28/00	8/31/00	10/5/00	11/9/00	2/2/01
Round Number			1	2	3	4	5	6	7	8	9	10	11	12	13	LF1	14	LF2	15	16
Volatiles (ug/L)																				
Acetone	**700**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	16.09	NS	ND	ND
Chloroform	**6**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND
Semi-Volatiles (ug/L)																				
bis(2-ethylhexyl)phthalate	**30**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND
Di-n-octylphthalate	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND
Di-n-butylphthalate	**900**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND
Butylbenzylphthalate	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	ND	ND
Pesticide/PCB (ug/L)																				
Heptachlor Epoxide	**0.20**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	**0.40**	**N/A**	ND	ND	ND	ND	0.011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	**0.10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-chlordane	**0.50**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-chlordane	**0.50**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ug/L)																				
Aluminum	**200**	**121000**	48	119.9	**348**	**385.6**	**204**	**360**	**434**	**345**	**419**	**522**	**215**	**285**	**365**	**372**	**391**	**342**	**510**	**245**
Antimony	**20**	**N/A**	ND	ND	ND	ND	ND	ND	3.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	**8**	**N/A**	2	1	ND	ND	ND	6	ND	ND	2.71	2.89	ND	ND	ND	ND	ND	ND	ND	ND
Barium	**2000**	**699**	17.5	ND	40.2	36	18.2	16.2	42.4	33.4	33.7	39.1	37.5	42	37	36.3	44.3	49.1	67.3	37.6
Beryllium	**20**	**N/A**	0.17	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	**4**	**N/A**	ND	4	ND	ND	0.6	ND	ND	2.19	1.18	ND	ND	0.571	ND	ND	ND	ND	0.886	1.95
Calcium	**NLE**	**45400**	17840	5370	10240	9775	11250	5500	5450	9660	6940	5230	8310	10400	9930	16400	12200	13900	13900	16800
Chromium	**100**	**N/A**	5.7	48	2.7	ND	ND	5.1	4	4.04	2.27	3.49	2.35	ND	4	ND	ND	4.15	ND	2.15
Cobalt	**NLE**	**N/A**	2.6	ND	1.6	1.6	0.9	0.9	1.61	0.691	1.42	1.18	1.19	1.14	1.32	1.71	1.38	1.84	1.9	1.71
Copper	**1000**	**65.6**	15	11	12	9.5	5.2	4	10.7	4.89	ND	3.8	4.41	ND	ND	ND	ND	81.6	ND	62.8
Iron	**300**	**431000**	**2110**	**1380**	**652**	**2212**	**2624**	**9030**	**2280**	**2640**	**5350**	**4940**	**1390**	**2920**	**5560**	**1480**	**1960**	**1790**	**4920**	**3770**
Lead	**10**	**N/A**	0.5	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**13.9**	ND	8.74
Magnesium	**NLE**	**62700**	3930	1370	2700	2599	2245	1280	2350	2040	1560	1410	2060	2200	2170	3580	2590	3480	3330	3560
Manganese	**50**	**331**	**54**	26	25.8	34.7	37.9	32.8	27.1	21.2	32.1	34	23.4	34.1	48.2	43.9	37.5	43	**60**	**55.3**
Mercury	**2**	**N/A**	ND	ND	0.3	ND	ND	ND	0.11	0.14	ND	0.3	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	**100**	**187**	ND	ND	4.9	4.9	6.8	4.2	7.26	5.39	ND	3.41	3.17	37	3.87	ND	ND	ND	1.14	2.63
Potassium	**NLE**	**137000**	4420	3680	2680	3600	6526	5060	1930	2860	3630	2970	2270	3140	3750	5730	4580	4240	3260	3070
Selenium	**50**	**N/A**	ND	ND	ND	ND	ND	ND	ND	3.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	**20**	**N/A**	18	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	**50000**	**21500**	15510	16570	15480	15940	15380	16300	14400	18800	19400	20600	19400	12100	19000	20900	21300	19900	21800	19100
Thallium	**10**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	**NLE**	**N/A**	ND	200	ND	ND	1.4	4	2.39	ND	1.81	2.26	ND	1.87	1.43	ND	ND	ND	1.26	ND
Zinc	**5000**	**233**	67	104	200	154.8	75	63	125	120	133	110	84.2	135	151	106	144	236	178	184

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.
LF: Low Flow Sampling

Table 5-2
Determination of Contaminants of Concern
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

Analyte	NJDEP Cleanup Criteria[1]	Site Specific Groundwater MBC[2]	Maximum Result	No. of NJDEP Criteria Exceedences	No. of Site Maximum Background Exceedences	Comments
Volatiles						
Acetone	**700**	**N/A**	16.09	0	N/A	No exceedance of NJDEP GWQC
Chloroform	**6**	**N/A**	1.38	0	N/A	No exceedance of NJDEP GWQC
Semi-Volatiles						
bis(2-ethylhexyl)phthalate	**30**	**N/A**	4.95	0	N/A	No exceedance of NJDEP GWQC
Di-n-octylphthalate	**100**	**N/A**	1.89	0	N/A	No exceedance of NJDEP GWQC
Di-n-butylphthalate	**900**	**N/A**	81.36	0	N/A	No exceedance of NJDEP GWQC
Butylbenzylphthalate	**100**	**N/A**	18.84	0	N/A	No exceedance of NJDEP GWQC
Pesticide/PCB						
Heptachlor Epoxide	**0.20**	**N/A**	**0.271**	**1**	**N/A**	**Not a Contaminant of Concern. Isolated and marginal at location MW-1 on 11/15/99.**
Endosulfan I	**0.40**	**N/A**	0.011	0	N/A	No exceedance of NJDEP GWQC
4,4'-DDD	**0.10**	**N/A**	0.027	0	N/A	No exceedance of NJDEP GWQC
4,4'-DDT	**0.10**	**N/A**	0.018	0	N/A	No exceedance of NJDEP GWQC
4,4'DDE	**0.10**	**N/A**	0.009	0	N/A	No exceedance of NJDEP GWQC
Alpha-chlordane	**0.50**	**N/A**	0.284	0	N/A	No exceedance of NJDEP GWQC
Gamma-chlordane	**0.50**	**N/A**	0.307	0	N/A	No exceedance of NJDEP GWQC
Metals						
Aluminum	**200**	**121000**	**183000**	**63**	**1**	**Not a Contaminant of Concern. Background metal.**
Antimony	**20**	**N/A**	9.54	0	N/A	No exceedance of NJDEP GWQC
Arsenic	**8**	**N/A**	**88**	**11**	**N/A**	**Not a Contaminant of Concern. Isolated and marginal at location MW-2.**
Barium	**2000**	**699**	**2020**	**1**	**4**	**Not a Contaminant of Concern. Background metal.**
Beryllium	**20**	**N/A**	**20.5**	**1**	**N/A**	**Not a Contaminant of Concern. Marginal exceedance.**
Cadmium	**4**	**N/A**	**4**	**2**	**N/A**	**Not a Contaminant of Concern. Marginal exceedance.**
Calcium	NLE	45400	126000	0	8	No limits established.
Chromium	**100**	**N/A**	**482**	**2**	**N/A**	**Not a Contaminant of Concern. Isolated and marginal at location MW-2.**
Cobalt	NLE	N/A	781	N/A	N/A	No limits established.
Copper	**1000**	**65.6**	**124**	**0**	**2**	**Not a Contaminant of Concern. Background metal.**
Iron	**300**	**431000**	**159000**	**70**	**0**	**Not a Contaminant of Concern. Background metal.**
Lead	**10**	**N/A**	**522**	**17**	**N/A**	**COC: Exceeded NJDEP criteria during low flow sampling rounds I and II.**
Magnesium	**NLE**	**62700**	33700	N/A	0	No exceedance of NJDEP GWQC
Manganese	**50**	**331**	**10430**	**39**	**13**	**Not a Contaminant of Concern. Background metal.**
Mercury	**2**	**N/A**	0.6	0	N/A	No exceedance of NJDEP GWQC
Nickel	**100**	**187**	**53500**	**2**	**1**	**Not a Contaminant of Concern. Background metal.**
Potassium	**NLE**	**137000**	25000	N/A	0	No exceedance of NJDEP GWQC
Selenium	**50**	**N/A**	4.38	0	N/A	No exceedance of NJDEP GWQC
Sodium	**50000**	**21500**	**332000**	**13**	**28**	**Not a Contaminant of Concern. Background metal.**
Silver	**20**	**N/A**	**259**	**5**	**0**	**Not a Contaminant of Concern. Low Flow Sampling presents no detections.**
Thallium	**10**	**N/A**	2	0	N/A	No exceedance of NJDEP GWQC
Vanadium	**NLE**	**N/A**	374	N/A	N/A	No limits established.
Zinc	**5000**	**233**	730	0	10	No exceedance of NJDEP GWQC

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

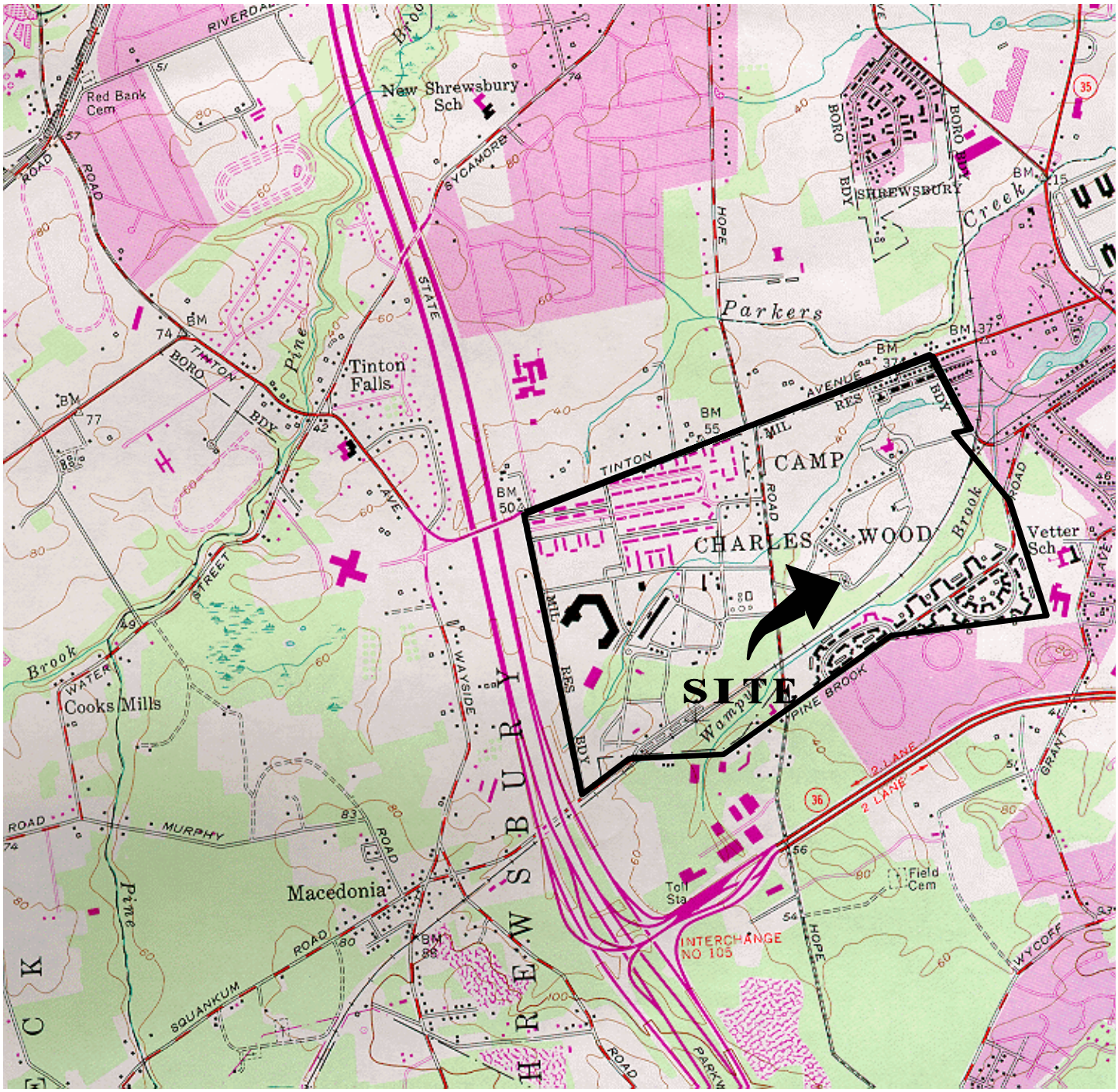
NLE: No limit established for this analyte

[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

NEW JERSEY

QUADRANGLE LOCATION

Mapped, edited and published by the Geological Survey

FIGURE 2-1

Site Location Map
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

Versar INC.

Scale: 1" = 2000'

Date: June 2001

N

CW-6

T-2044

2070

TANK

VERY DENSE TREES

VERY DENSE TREES

DENSE TREES

BRUSH

BRUSH

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:

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 2-2
SITE LAYOUT MAP
CW-6 PESTICIDE STORAGE 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.: CW6
	FILE No.: CW6
	SCALE: 1" = 60'
	SHEET OF REV.: A

Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

N

CW6MW03

CW6MW01

CW6MW02

TANK

T-2044

2070

CW6MW34

CW6MW35

CW6MW36

DENSE TREES

VERY DENSE TREES

VERY DENSE TREES

BRUSH

BRUSH

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:

FIGURE2-3
MONITORING WELL LOCATION MAP
CW-6 PESTICIDE STORAGE 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.: CW6
	FILE No.: CW6
	SCALE: 1" = 60'
	SHEET OF REV.: A

Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

Geologic Map of New Jersey

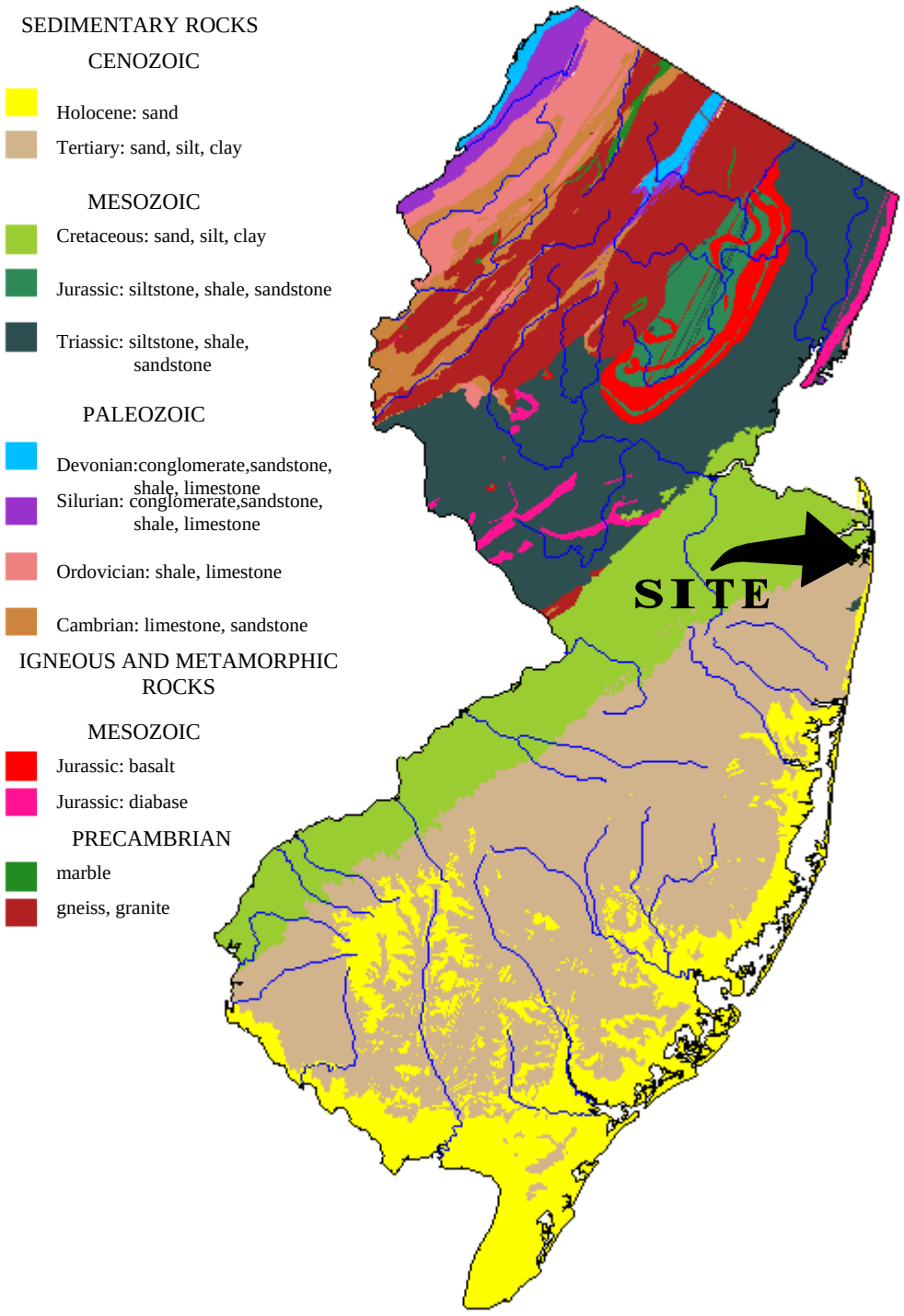
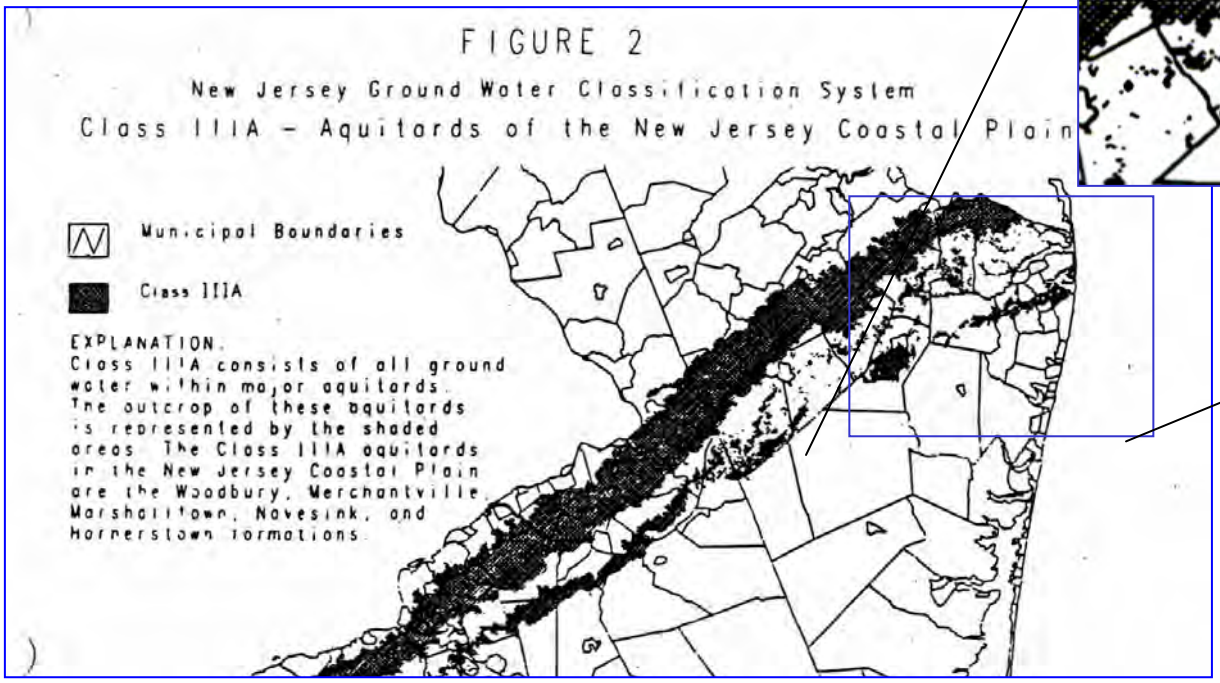
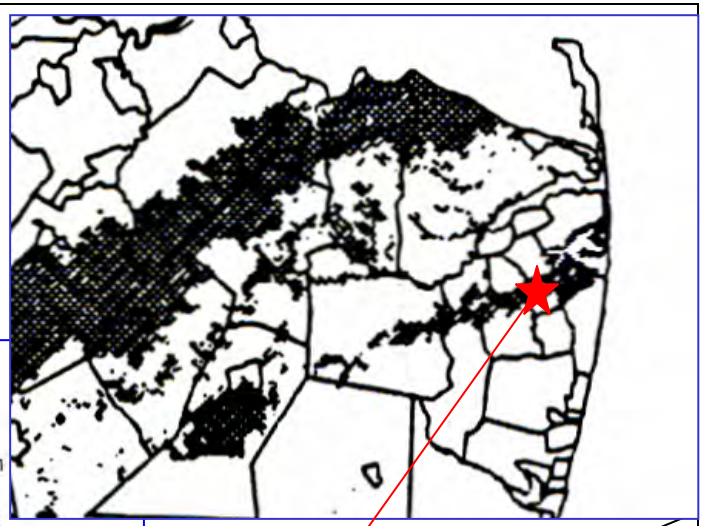


FIGURE 2-4
Geological Map of New Jersey
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

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

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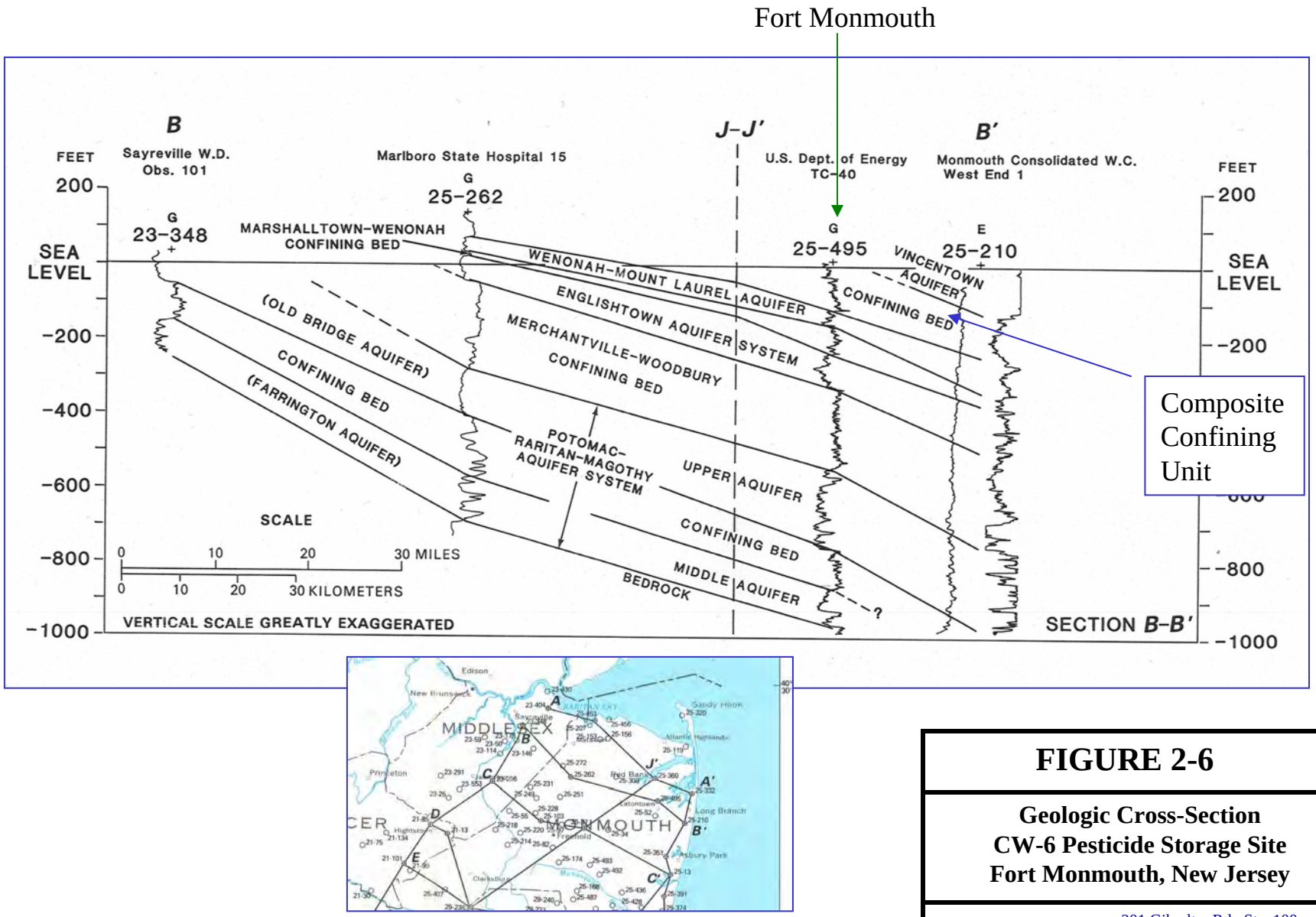
CW-6 Pesticide Storage Site

FIGURE 2-5

New Jersey Groundwater Classification
Class IIIA
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

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

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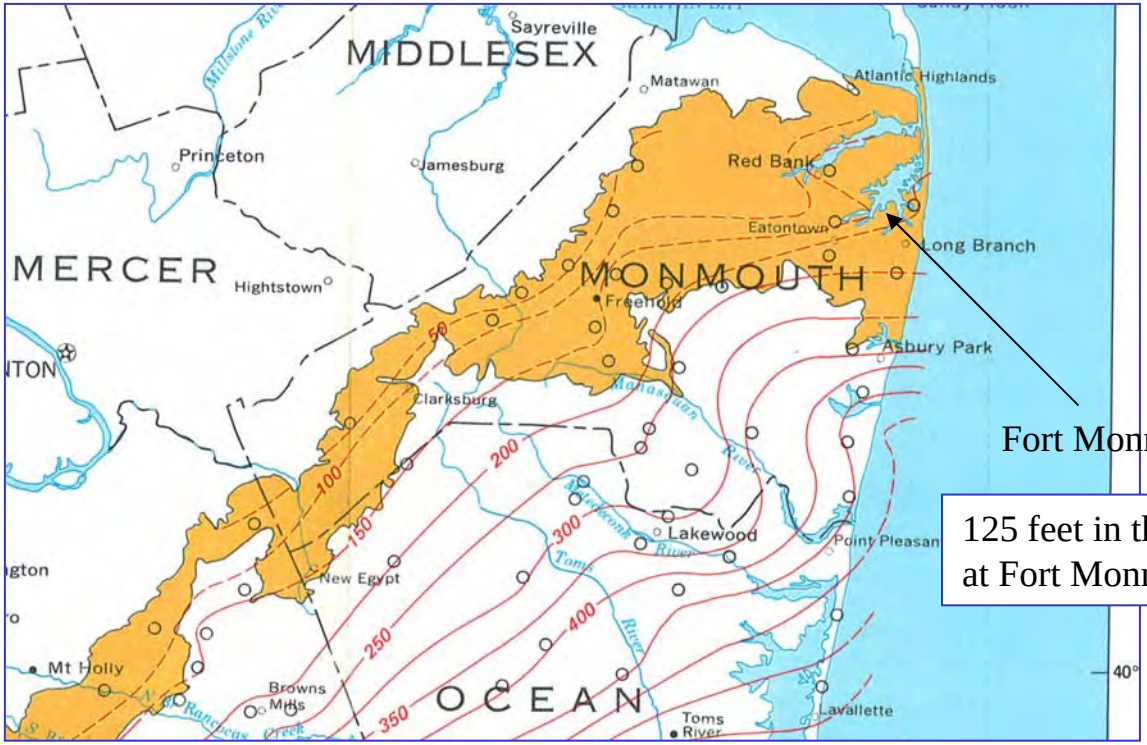


Source: Zapecza, O. 1989. *Hydrogeologic Framework of the New Jersey Coastal Plain.* USGS Professional Paper 1404-B. U.S. Government Printing Office, Washington, DC.

FIGURE 2-6

Geologic Cross-Section
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

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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 CW-6 Pesticide Storage Site Fort Monmouth, New Jersey

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

Figure 2-8
Soil Map of Monmouth County
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey

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N

CW6MW03

A

CW6MW01

T-2044

TANK

CW6MW02

2070

CW6MW34

A'

CW6MW35

CW6MW36

TE

DENSE TREES

VERY DENSE TREES

VERY DENSE TREES

BRUSH

BRUSH

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

NOTES:

= MONITORING WELL LOCATION

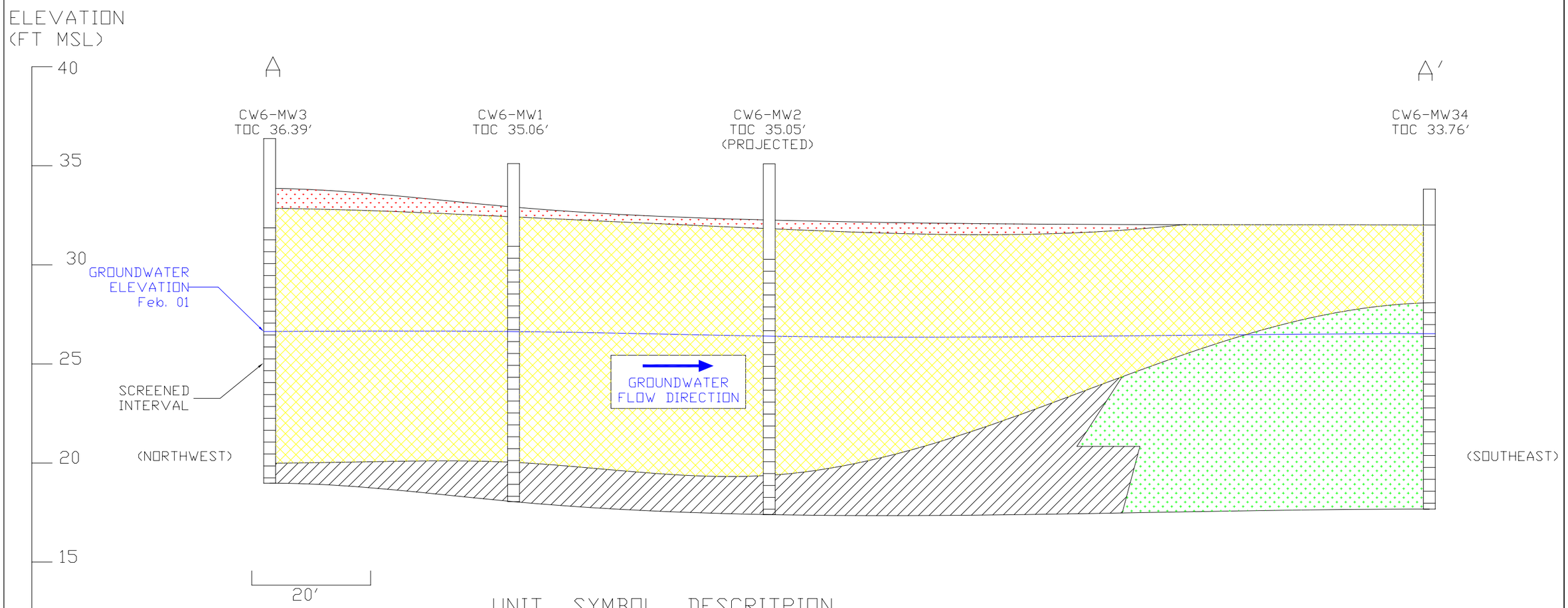
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-1
CROSS SECTION LOCATION MAP
CW-6 PESTICIDE STORAGE 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.: CW6
	FILE No.: CW6
	SCALE: 1" = 60'
	SHEET OF REV.: A

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UNIT	SYMBOL	DESCRITPION
(1)		TOPSOIL AND ROOTS
(2)		BROWN MEDIUM TO COARSE SAND - FILL
(3)		GREENISH-GRAY TO BLACK SILTY CLAY
(4)		BROWN, ORANGE, AND GREENISH POORLY GRADED SAND

NOTES:

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

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

3) FT MSL: FEET ABOVE MEAN SEA LEVEL

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

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.

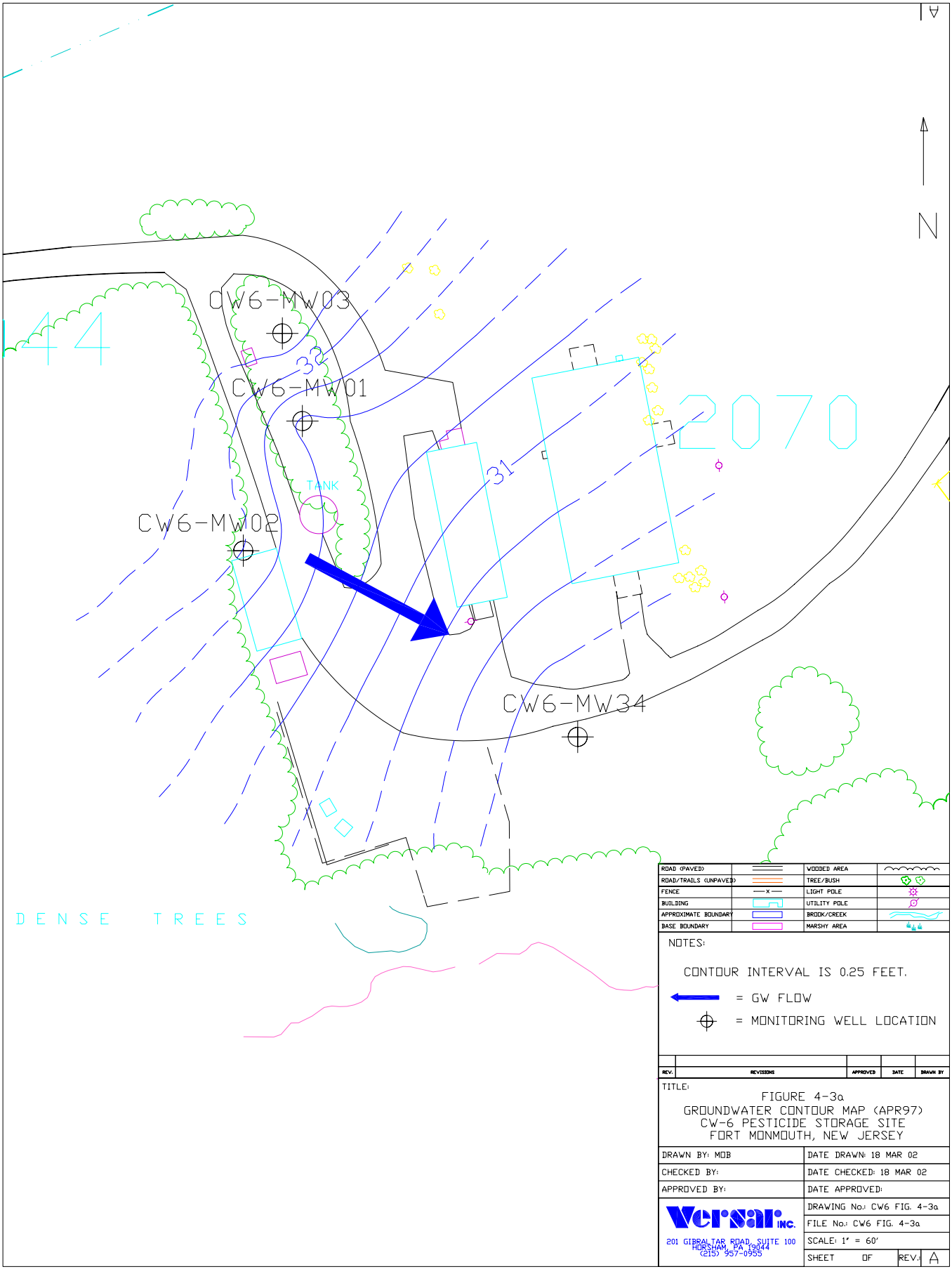
7) BOUNDARIES ARE DASHED WHERE INFERRED.

REV.	REVISIONS	APPROVED	DRAWN BY

TITLE:
FIGURE 4-2
GEOLOGIC CROSS SECTION A TO A'
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJK/TJW	DATE DRAWN: 16 OCT 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIGURE 4-2
	FILE No.: CW-6 Figure 4-2
	SCALE: 1" = 20' (VERT:1"=3')
	SHEET 1 OF 1 REV.: A

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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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

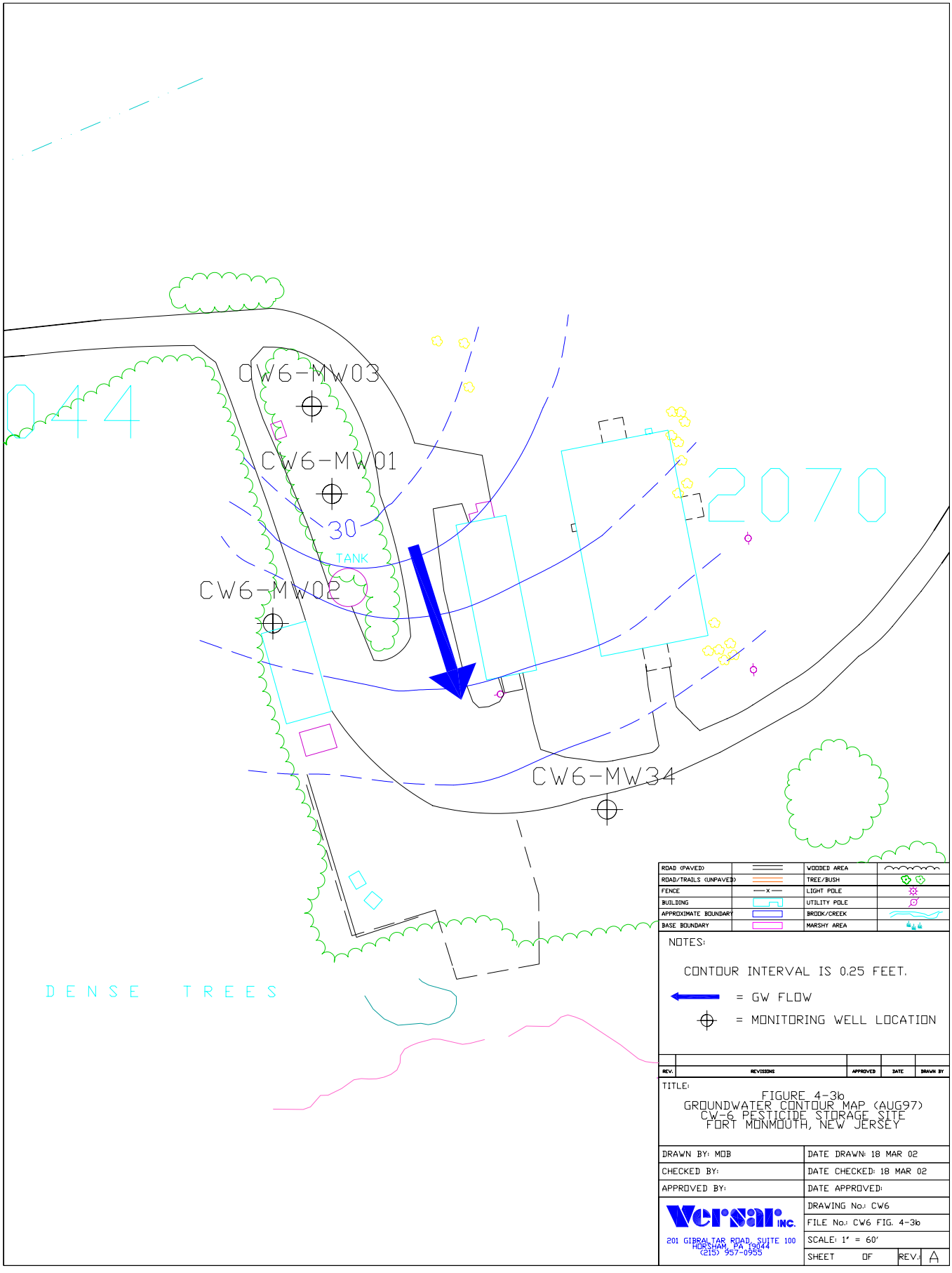
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3a
GROUNDWATER CONTOUR MAP (APR97)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: MOB	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6 FIG. 4-3a
	FILE No.: CW6 FIG. 4-3a
	SCALE: 1" = 60'
	SHEET OF REV.: A

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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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

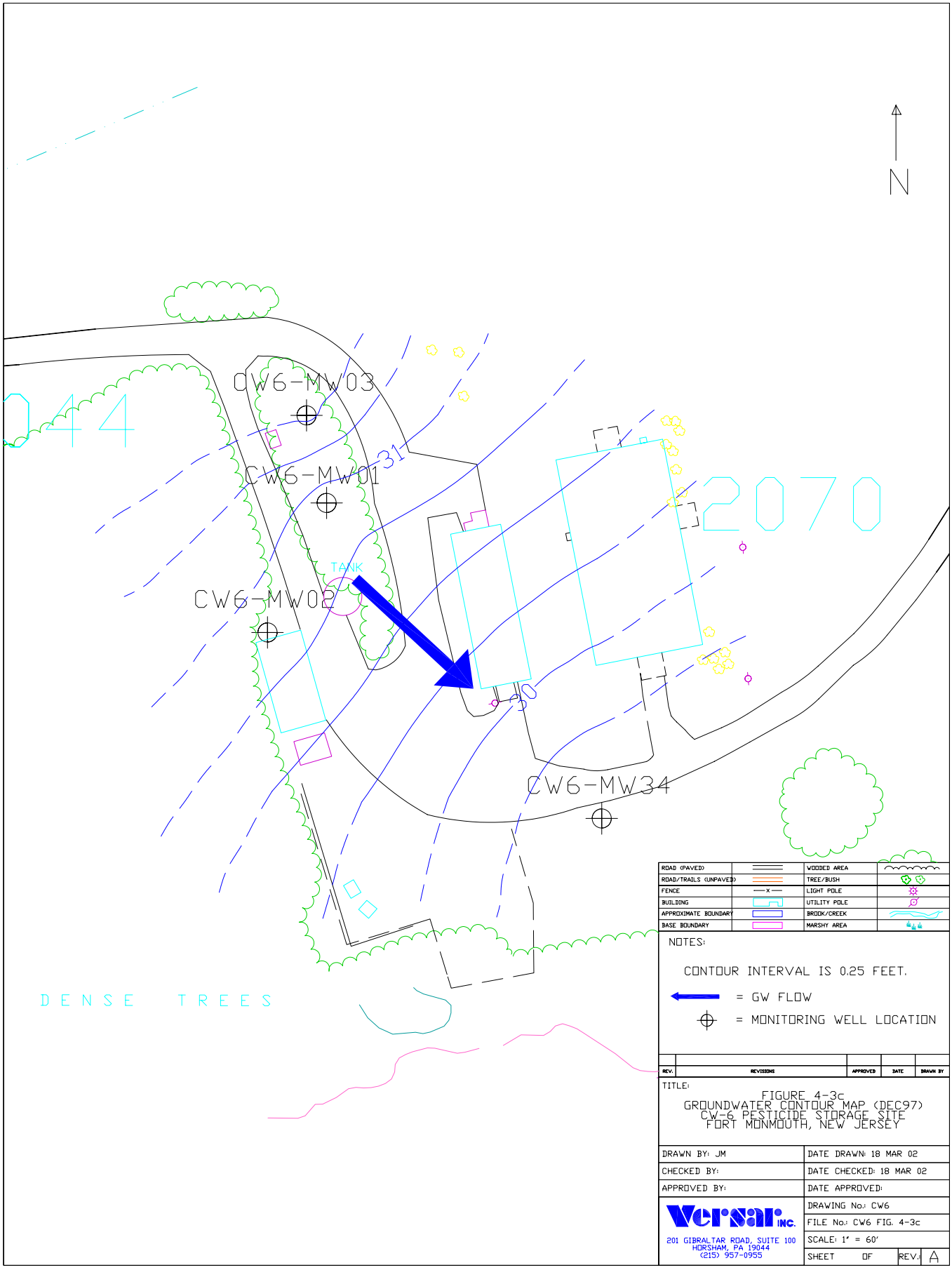
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3b
GROUNDWATER CONTOUR MAP (AUG97)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: MOB	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6
	FILE No.: CW6 FIG. 4-3b
	SCALE: 1" = 60'
	SHEET OF REV.: A

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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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

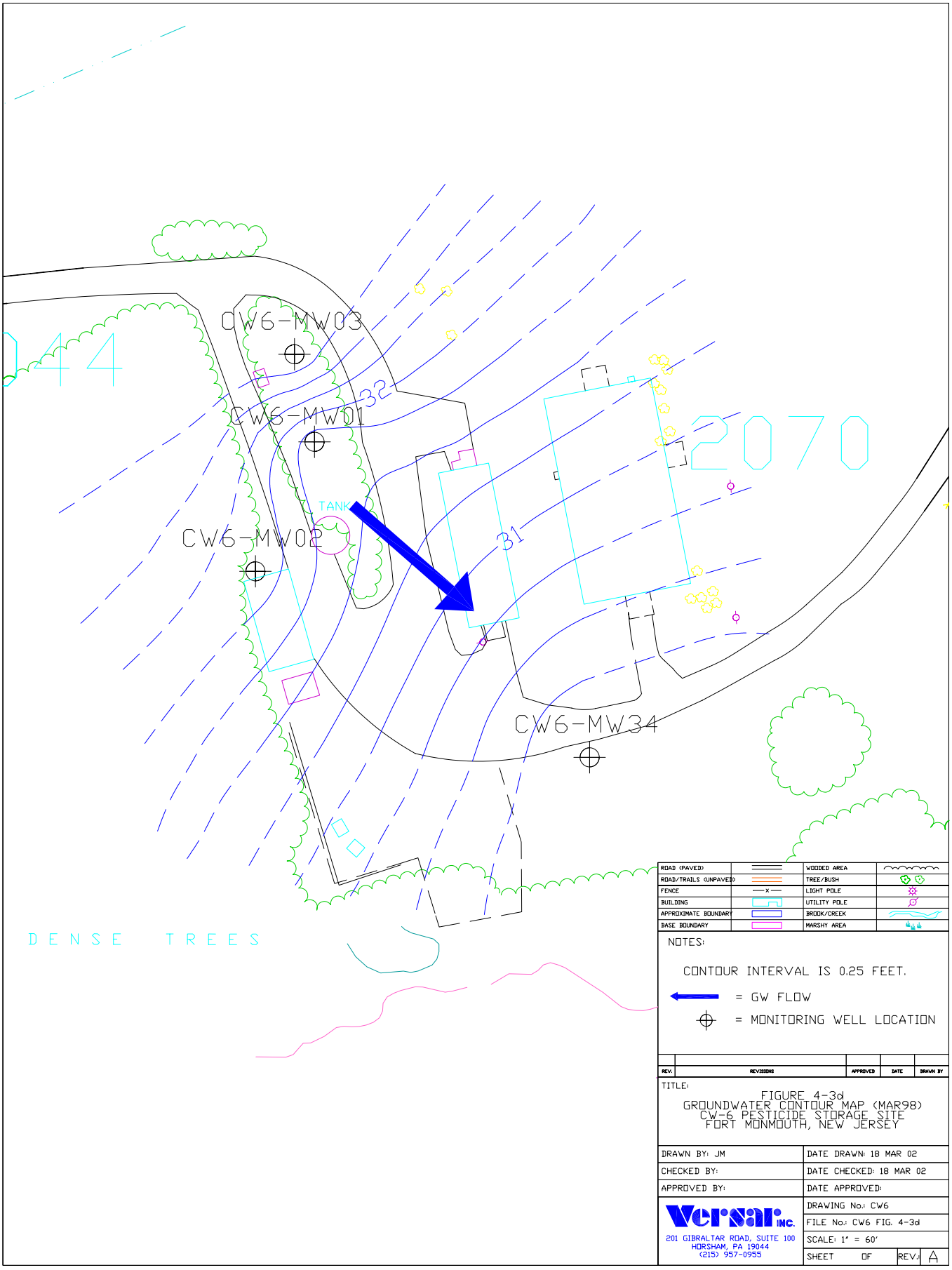
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3c
GROUNDWATER CONTOUR MAP (DEC97)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6
	FILE No.: CW6 FIG. 4-3c
	SCALE: 1" = 60'
	SHEET OF REV.: A

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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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

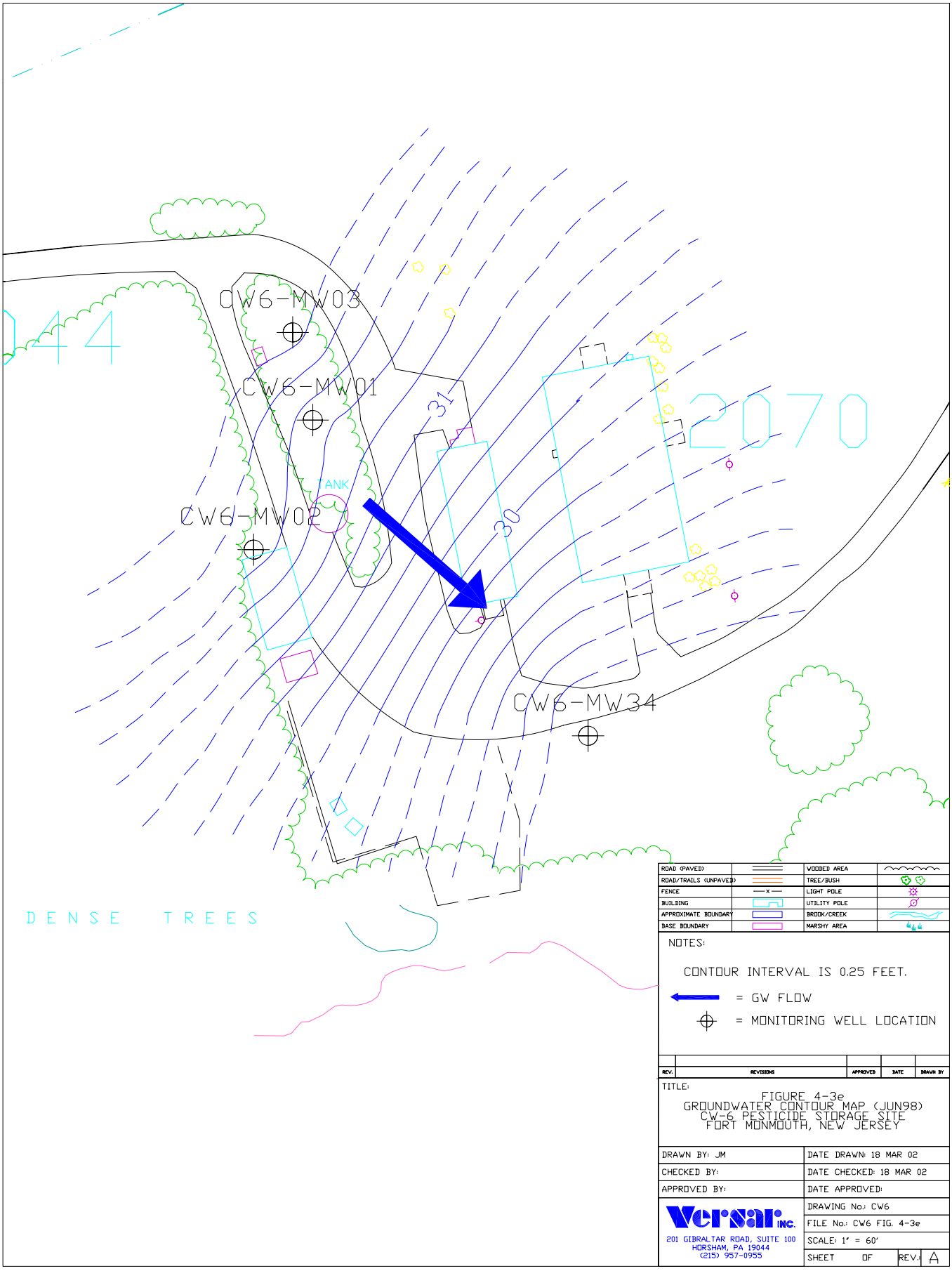
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3d
GROUNDWATER CONTOUR MAP (MAR98)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6
	FILE No.: CW6 FIG. 4-3d
	SCALE: 1" = 60'
	SHEET OF REV.: A

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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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

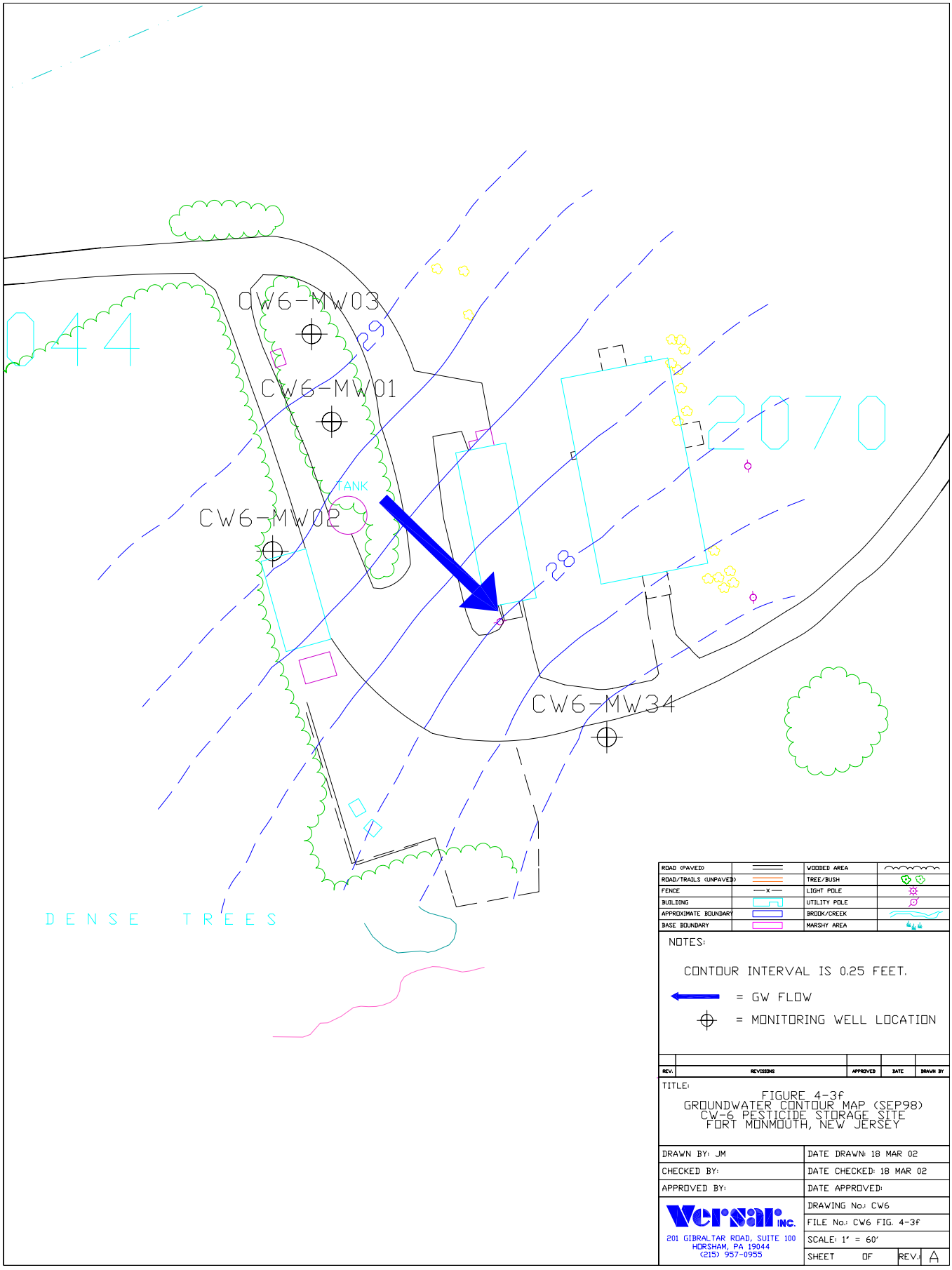
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3e
GROUNDWATER CONTOUR MAP (JUN98)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6
	FILE No.: CW6 FIG. 4-3e
	SCALE: 1" = 60'
	SHEET OF REV.: A

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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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

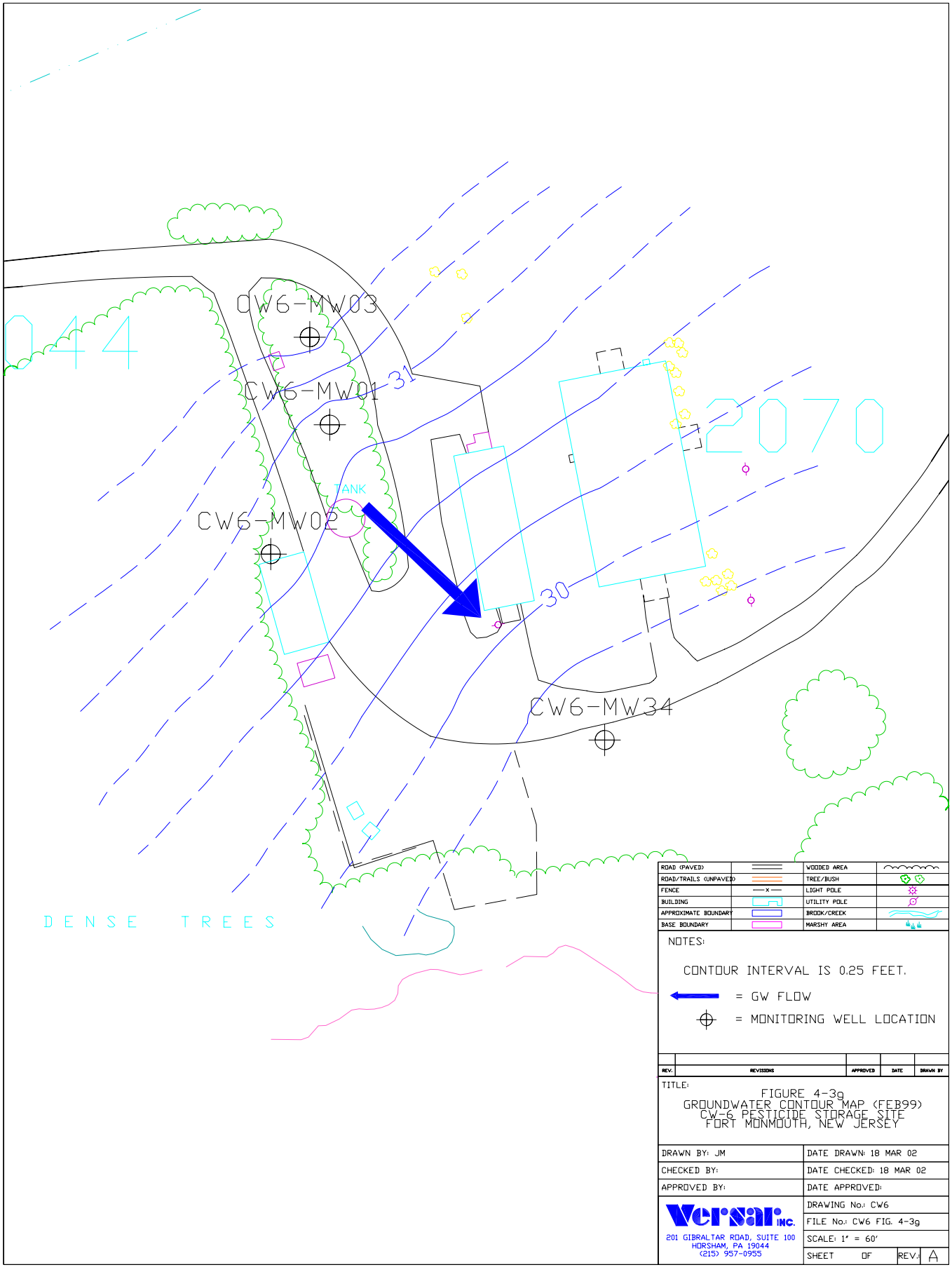
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3f
GROUNDWATER CONTOUR MAP (SEP98)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6
	FILE No.: CW6 FIG. 4-3f
	SCALE: 1" = 60'
	SHEET OF REV.: A

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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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

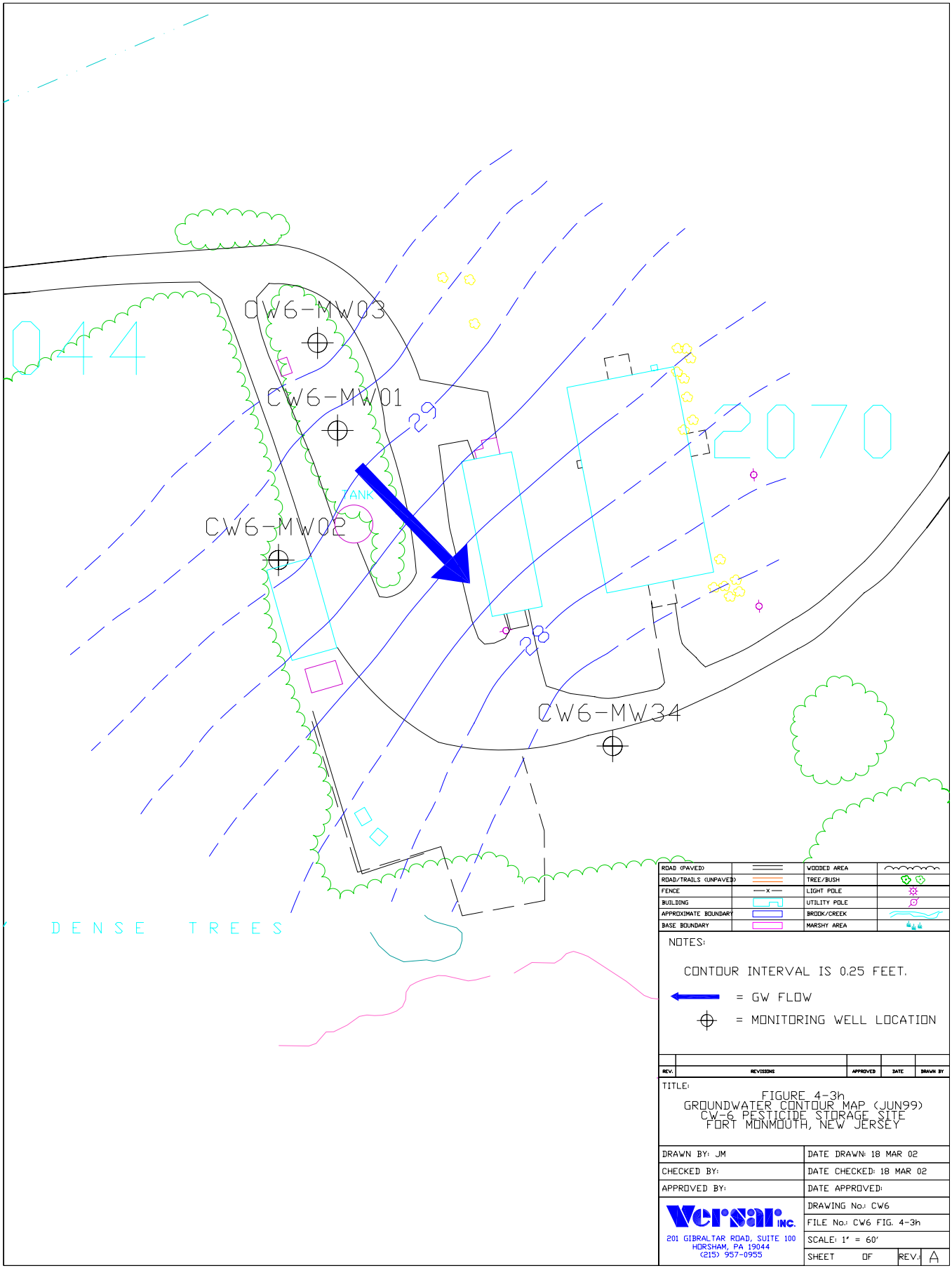
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3g
GROUNDWATER CONTOUR MAP (FEB99)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6
	FILE No.: CW6 FIG. 4-3g
	SCALE: 1" = 60'
	SHEET OF REV.: A

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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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

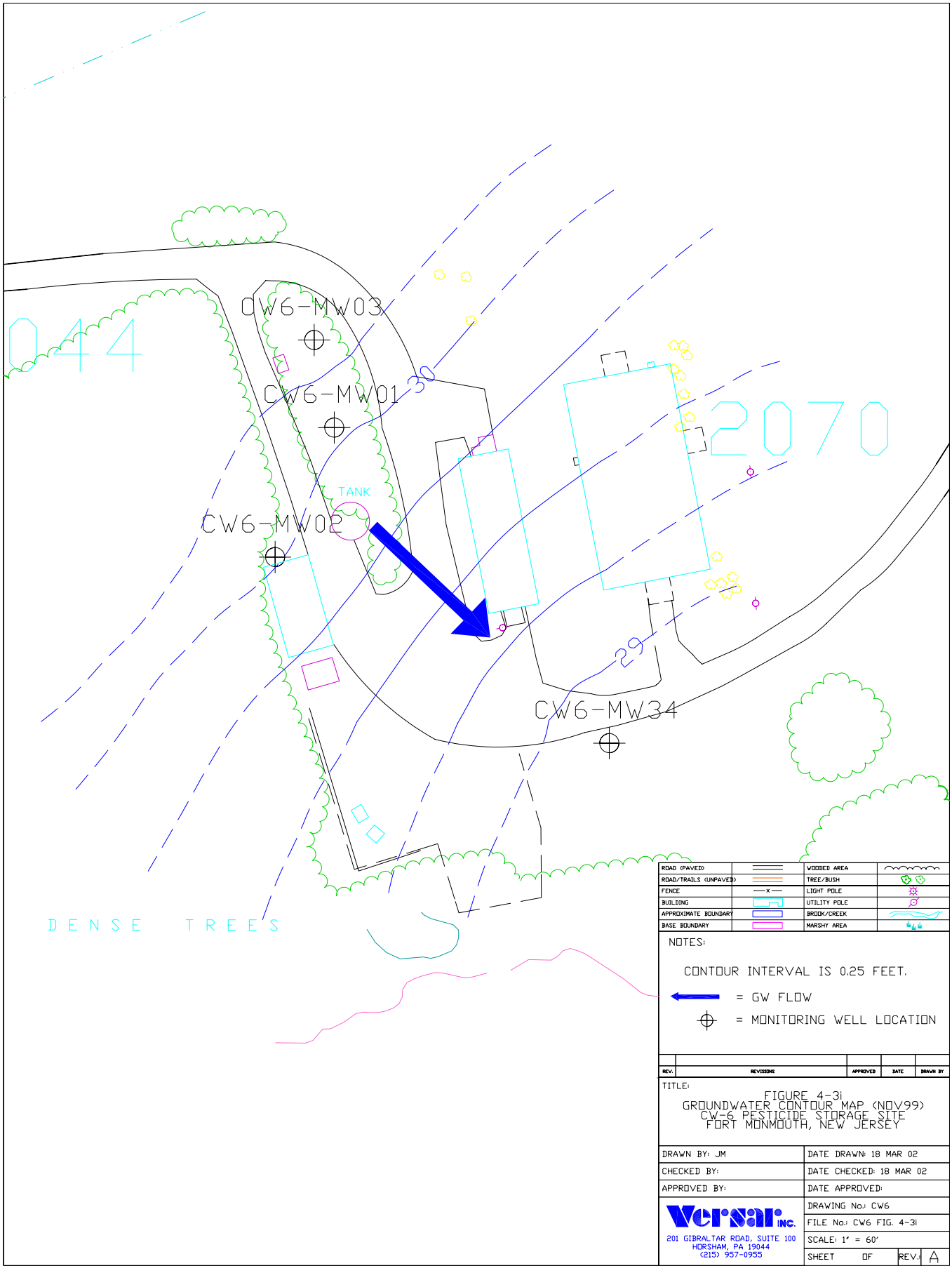
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3h
GROUNDWATER CONTOUR MAP (JUN99)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6
	FILE No.: CW6 FIG. 4-3h
	SCALE: 1" = 60'
	SHEET OF REV.: A

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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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

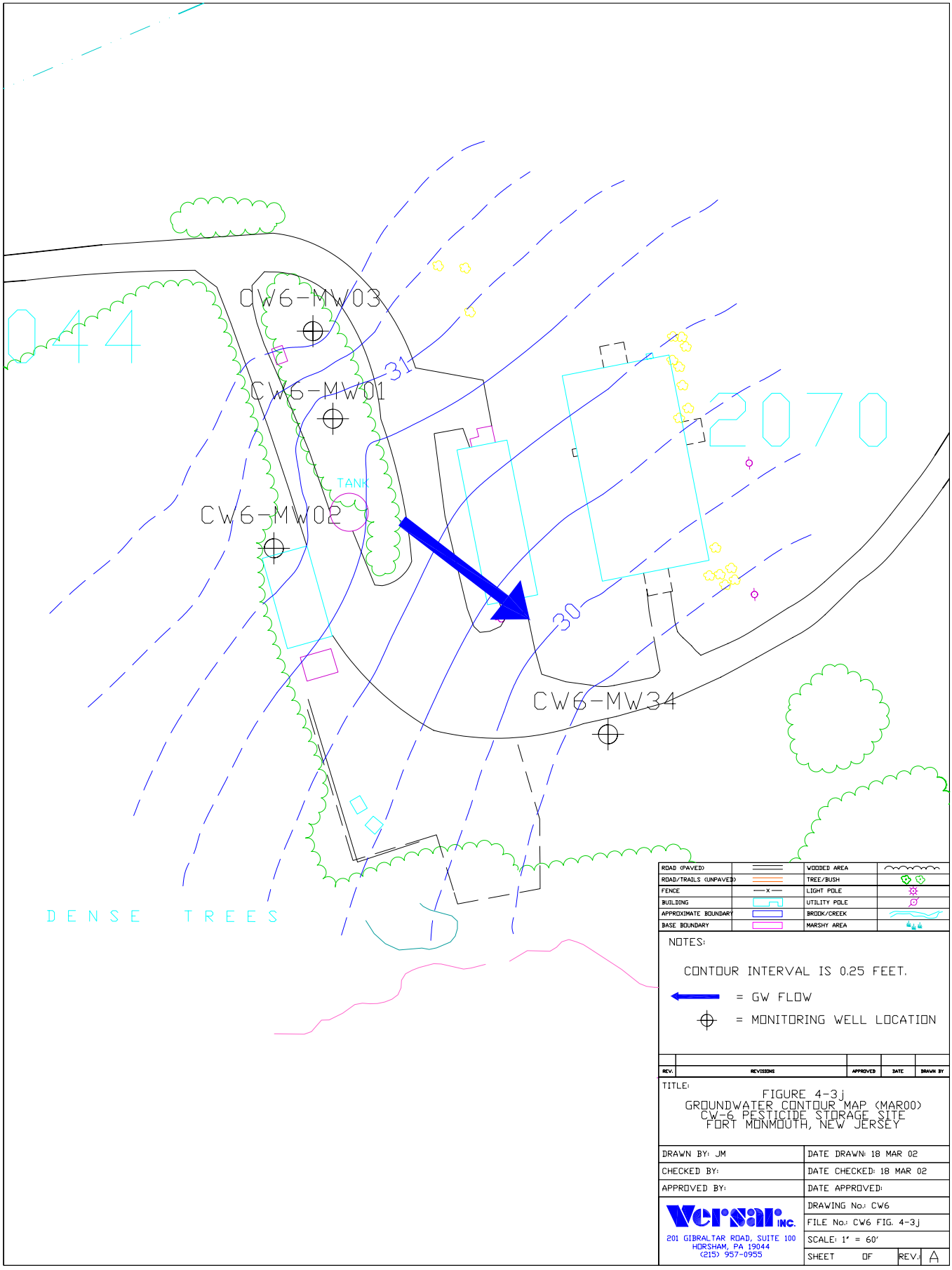
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3i
GROUNDWATER CONTOUR MAP (NOV99)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6
	FILE No.: CW6 FIG. 4-3i
	SCALE: 1" = 60'
	SHEET OF REV.: A

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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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

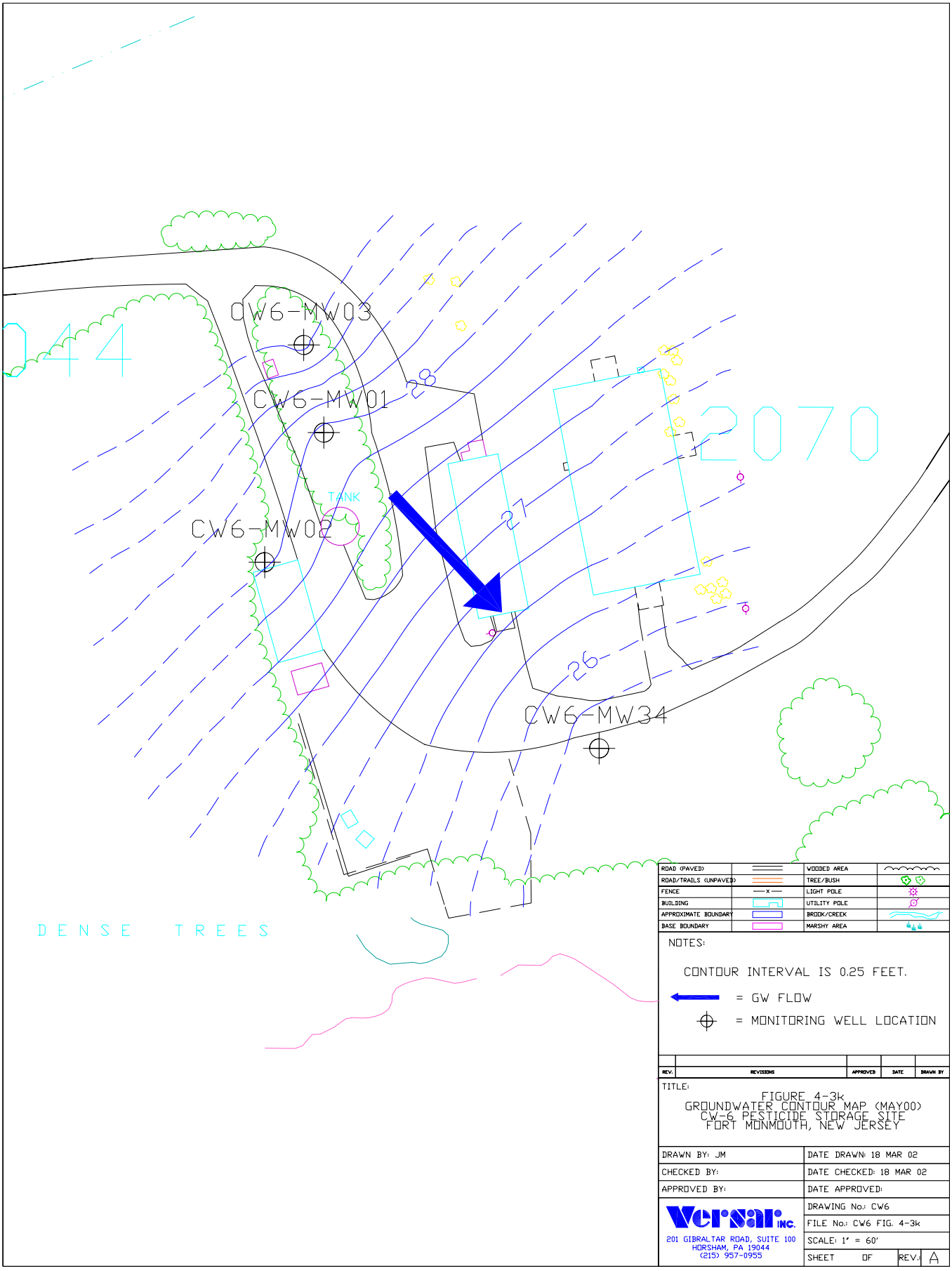
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3j
GROUNDWATER CONTOUR MAP (MAR00)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6
	FILE No.: CW6 FIG. 4-3j
	SCALE: 1" = 60'
	SHEET OF REV.: A

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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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

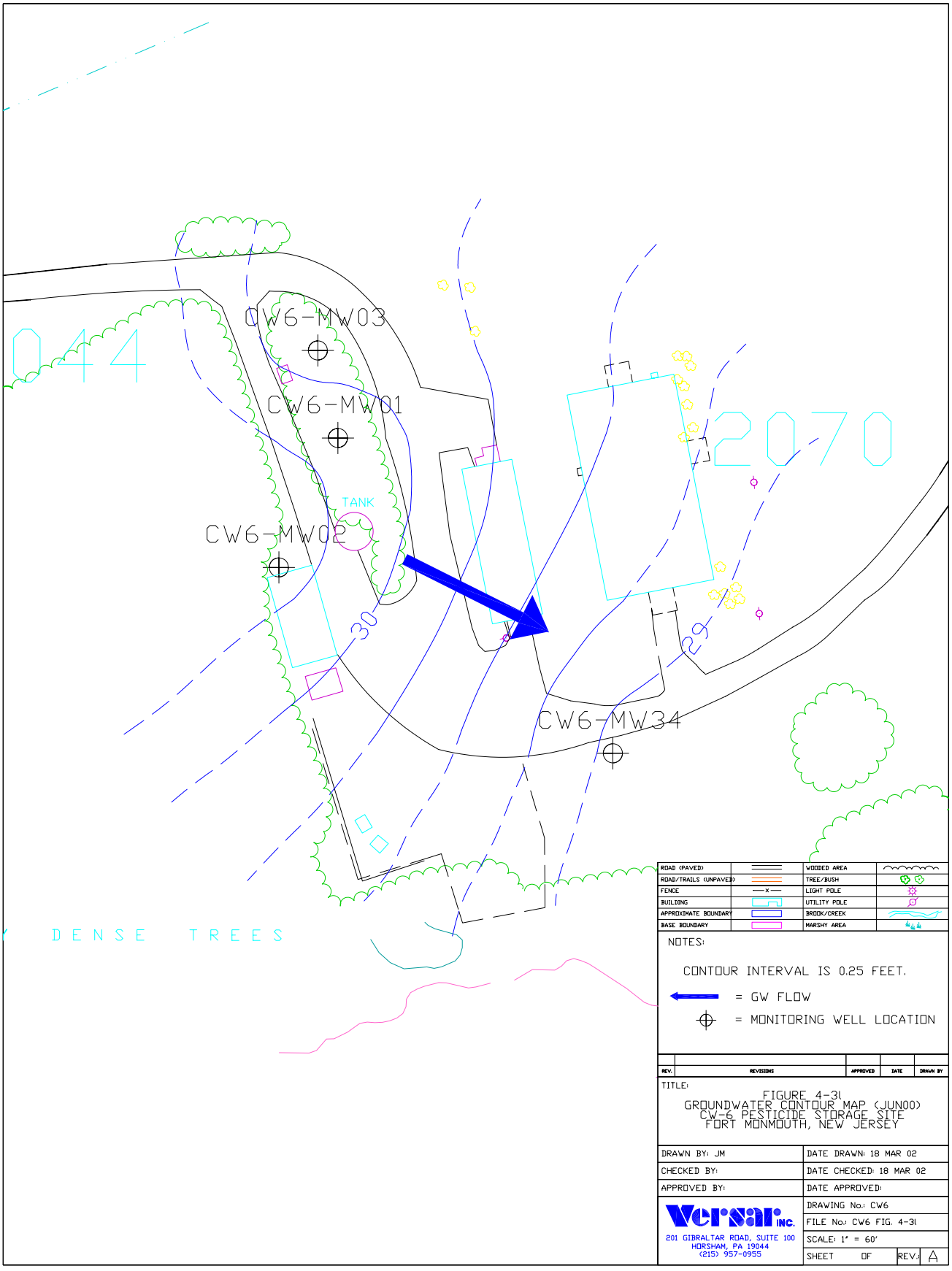
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3k
GROUNDWATER CONTOUR MAP (MAY00)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6
	FILE No.: CW6 FIG. 4-3k
	SCALE: 1" = 60'
	SHEET OF REV.: A

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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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

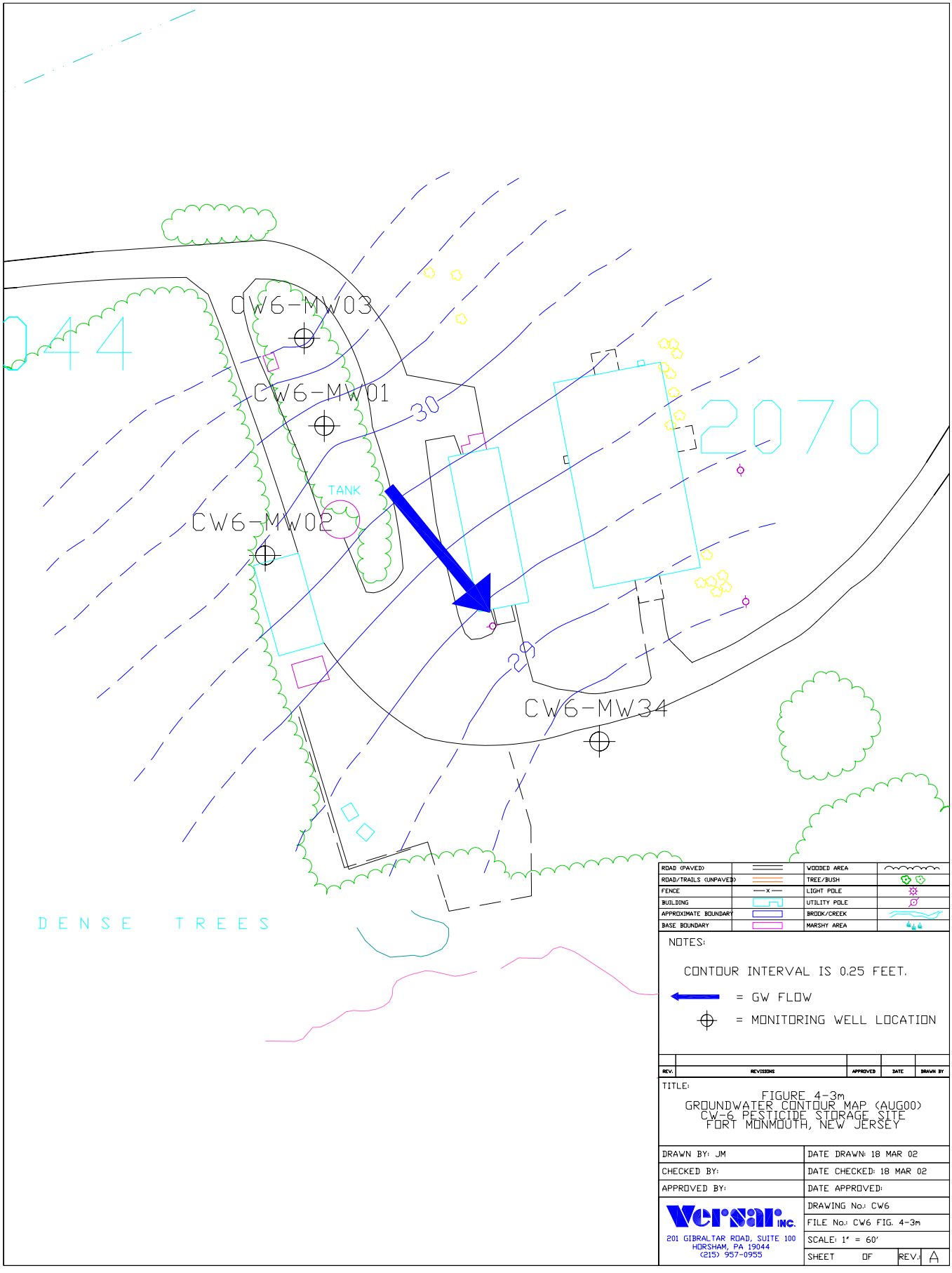
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-31
GROUNDWATER CONTOUR MAP (JUN00)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6
	FILE No.: CW6 FIG. 4-31
	SCALE: 1" = 60'
	SHEET OF REV.: A

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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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

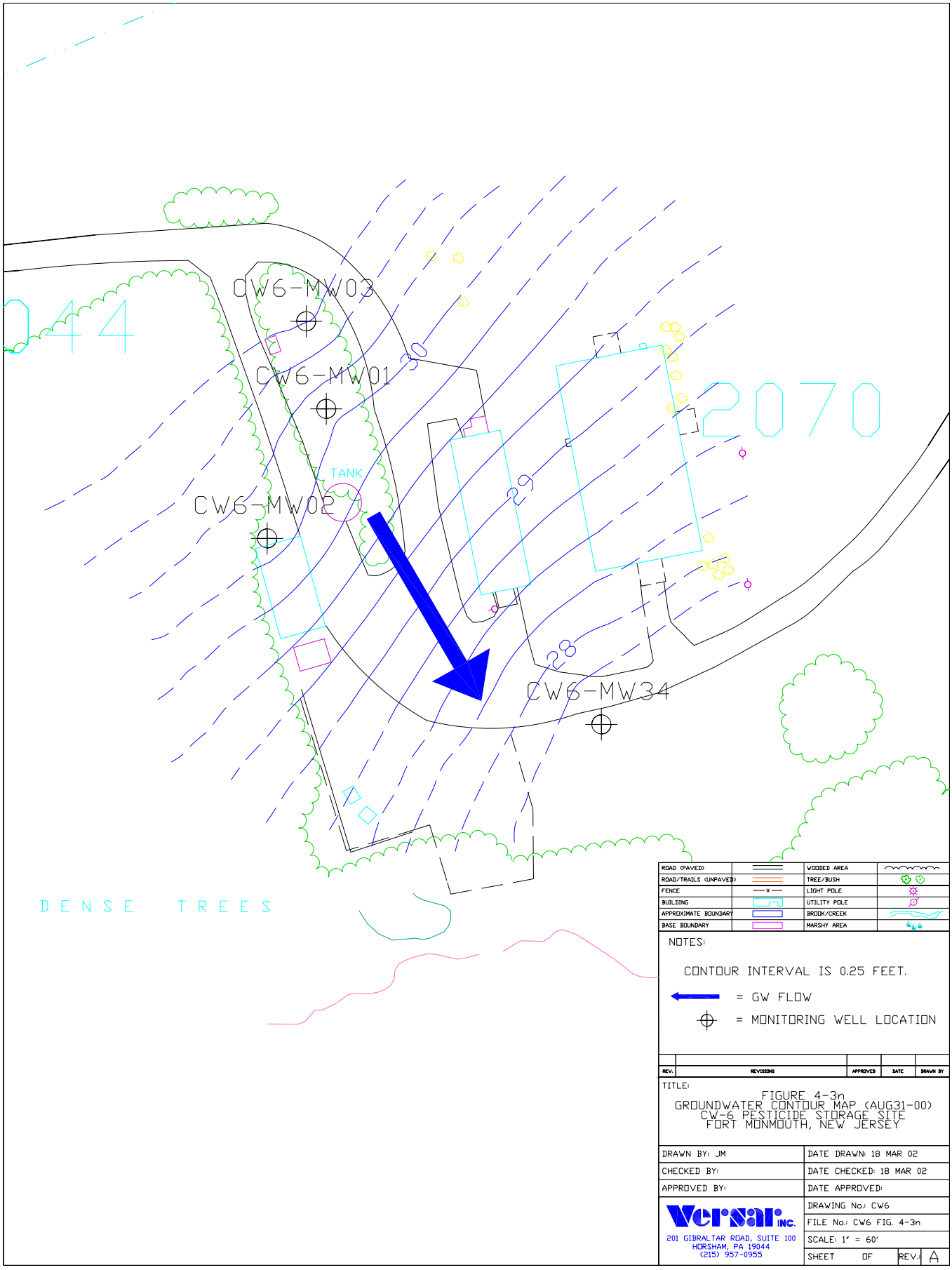
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3m
GROUNDWATER CONTOUR MAP (AUG00)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6
	FILE No.: CW6 FIG. 4-3m
	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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

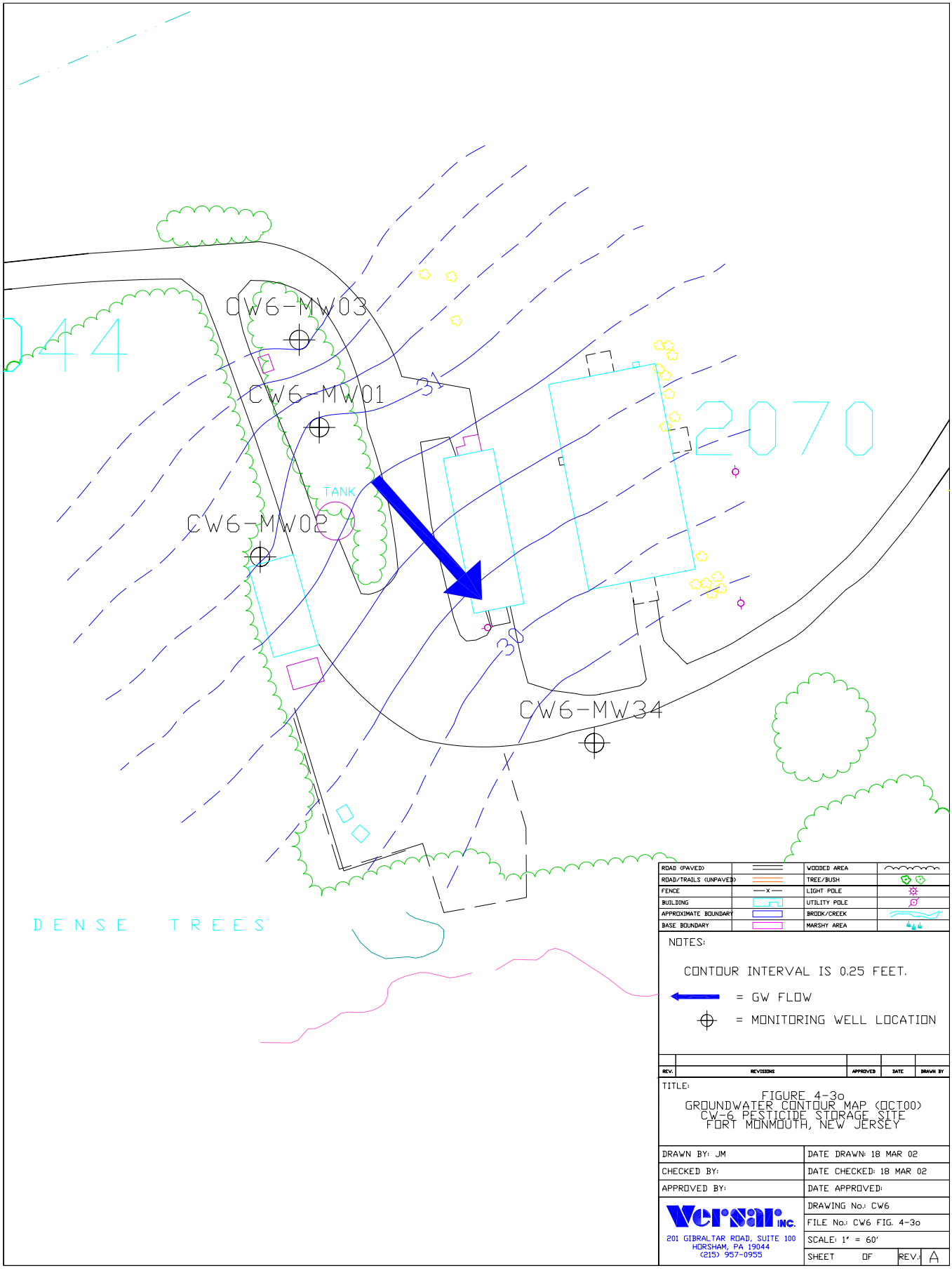
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3n
GROUNDWATER CONTOUR MAP (AUG31-00)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6
	FILE No.: CW6 FIG. 4-3n
	SCALE: 1" = 60'
	SHEET OF REV.: A

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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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

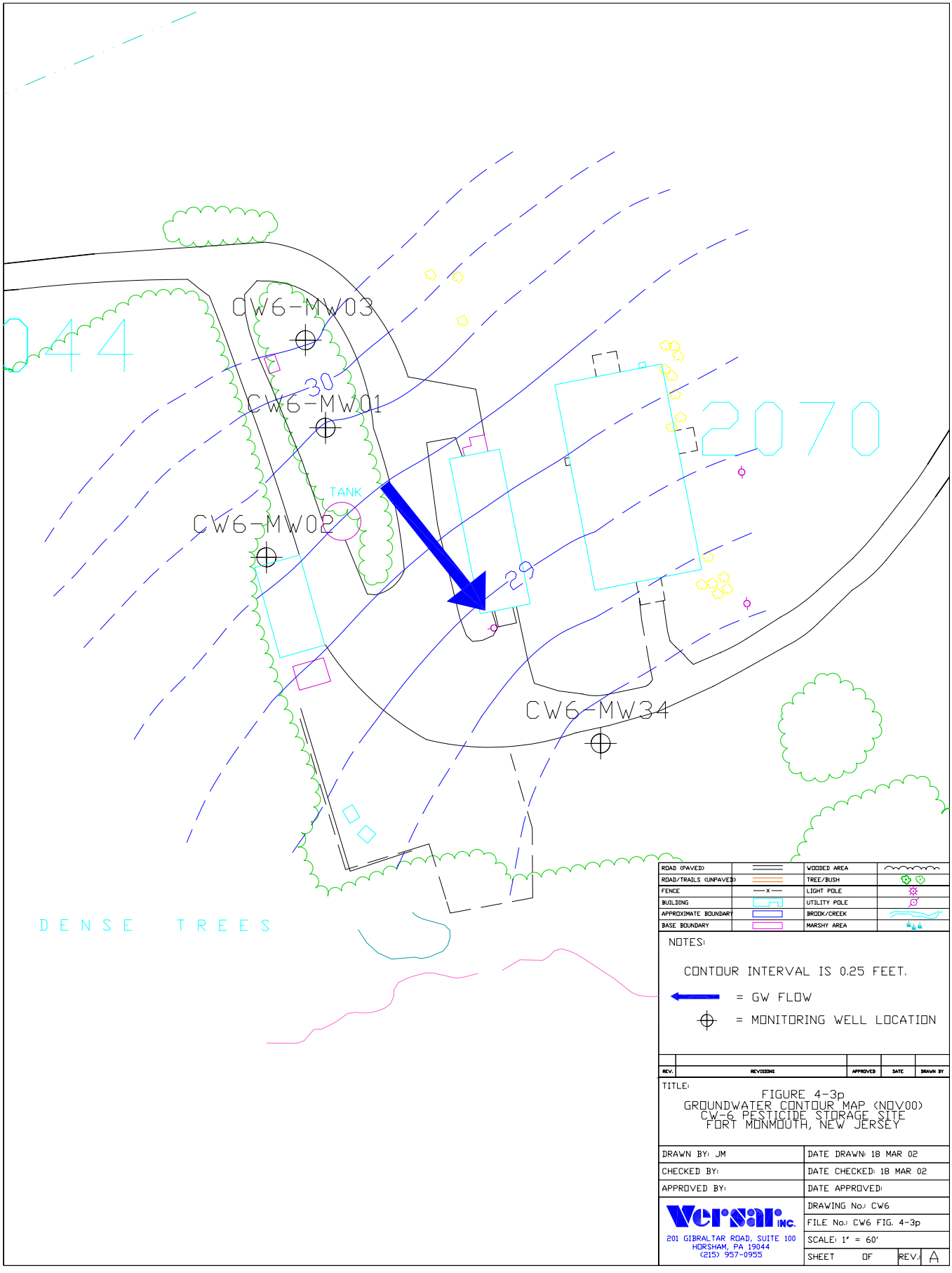
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3o
GROUNDWATER CONTOUR MAP (OCTOO)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6
	FILE No.: CW6 FIG. 4-3o
	SCALE: 1" = 60'
	SHEET OF REV.: A

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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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

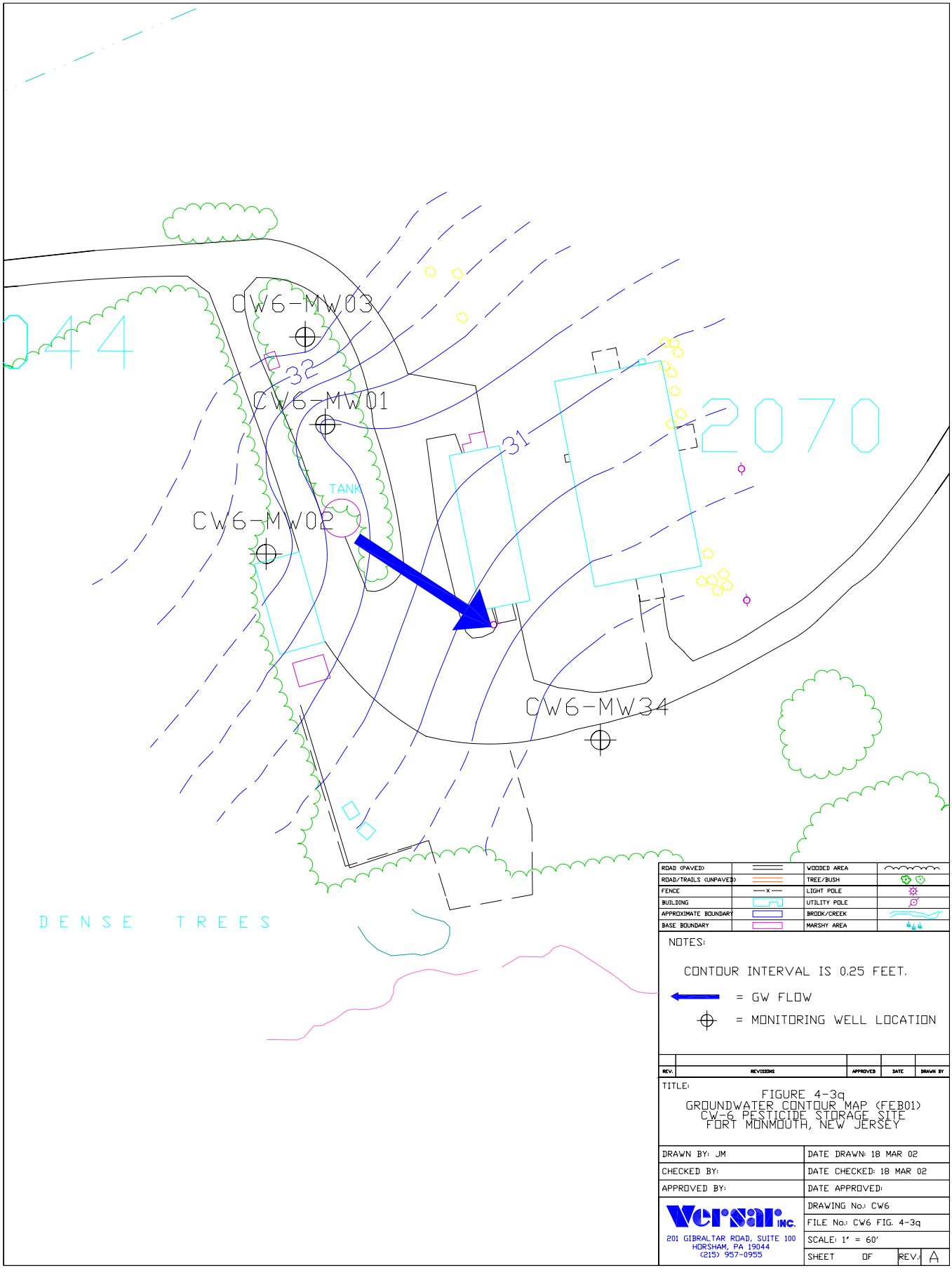
REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3p
GROUNDWATER CONTOUR MAP (NOV00)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6
	FILE No.: CW6 FIG. 4-3p
	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:

CONTOUR INTERVAL IS 0.25 FEET.

= GW FLOW

= MONITORING WELL LOCATION

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-3q
GROUNDWATER CONTOUR MAP (FEB01)
CW-6 PESTICIDE STORAGE SITE
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 18 MAR 02
CHECKED BY:	DATE CHECKED: 18 MAR 02
APPROVED BY:	DATE APPROVED:
	DRAWING No.: CW6
	FILE No.: CW6 FIG. 4-3q
	SCALE: 1" = 60'
	SHEET OF REV.: A

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

APPENDICES

Appendix A

CW-6 Site Investigation, Roy F. Weston, Inc., 1995

4.3.8 Pesticide Storage Building T-2044 (CW-6)

4.3.8.1 Site Location

Building T-2044 is part of a small complex of buildings in the south-central portion of the Charles Wood area. The complex consists of Building T-2044, Building T-2070, and two metal igloos. The buildings are currently used to store golf course maintenance and landscaping equipment, such as mowers and tractors. The approximate area of site CW-6 is 25,000 ft^2 (0.6 acre).

4.3.8.2 Site History

The golf course maintenance complex may predate the purchase of the golf course by the Army. Pesticides and herbicides were formerly stored and mixed in this area. The IA contains a 1979 inventory of pesticides and herbicides that were used on the golf course and stored in Building T-2044. Some of the pesticides that were present in significant quantities are malathion, floriable sevin, resmithrin, Borocel IV, chlordane, and Dibrom. The IA also discusses a pest control program that was in effect in 1979. The compounds that were used in large quantities include carbaryl (sevin), malathion, chlordane, and diazinon. Some of the herbicides mentioned in the IA include 2,4-D, Dacthal, 2,4,5-T, and sodium arsenite.

The course groundskeeper, who has been part of the grounds crew for 33 years (1960 to 1993), said pesticides and herbicides were kept in a metal igloo and were mixed in two areas marked A and B in Figure 4.3-13. Area A is on a currently grass-covered area south of the igloo. At area A two USTs were excavated and the chlordane-contaminated soil was disposed of in spring 1995. Area B is on pavement near the office door in T-2044. This paved area has a drain that empties into a ditch in the woods immediately behind T-2044. The supervisor said that pesticide containers were not rinsed, but were disposed of to the landfill as is. Prior to 1980, the containers would have been disposed of at a landfill on the Main Post, such as site M-8.

Pesticides and herbicides are not currently stored or mixed on-site. The facility has hired an outside contractor to come in and apply pesticides and herbicides.

4.3.8.3 Sampling Effort

Limited sampling in 1989 determined that NJDEP SCC were exceeded in one soil sample. The sampling report did not clearly identify the location of the sample.

To confirm the existence of contamination and evaluate the effect on groundwater, two soil borings were completed at locations where pesticides mixing was believed to have occurred. These locations are just north of Building T-2044 (SB-02) and just south of the pavement that extends in front of Building T-2044 (SB-34). The borings were advanced to the water table and soil samples were taken at 6 to 12 inches and at 2 feet and analyzed for TCL +30 parameters. One surface soil sample was taken in the runoff ditch that runs into the woods southwest of Building T-2044 (Figure 4.3-13).

One monitor well was installed in these borings (MW-34), shown in Figure 4.3-13, and groundwater samples were collected in two sampling rounds and analyzed for TCL +30 parameters. Furthermore, a pre-existing monitor well (MW-01) was sampled twice for TCL +30 parameters in an effort to further evaluate the nature and extent of contamination on site groundwater quality.

The location of the monitor well proposed in the CDAP (MW-35) at site CW-6 was moved to site CW-9 because an existing monitor well was located near the proposed well location.

4.3.8.4 Hydrogeologic Interpretation

The lithologic logs from MW-34 indicate that the lithology consists of a thin soil cover (0.3 ft) underlain by a brown fine-medium-grained sand with olive-brown sand laminae. Saturation was observed at approximately 4 ft bgs. Monitor well MW-34 was screened across the water table and was drilled to 14.5 ft bgs. Water-level elevation data, measured on 6 March 1995, prior to the March sampling round, indicate that local groundwater flow is east toward site CW-9 (Figure 4.3-14).

The following subsections summarize the soil and groundwater analytical results for site CW-6.

4.3.8.5 Soil Sampling Results

A total of four soil samples were collected: two in the MW-34 borehole, one in SB-02, and one in SS-01. The soil samples were analyzed for the parameters listed in Table 3.6-1. Sample depths of soil borings were 0 to 2 and 2 to 4 ft bgs in SB-34 and 0.5 to 1 ft bgs in SB-02. The surface soil sample was collected from 0 to 0.5 ft bgs. The analytical results for site soils at specific sampling intervals are listed in Appendix D. Table 4.3-10 compares the detected compounds with the NJDEP SCC, and then compares the results with the site-specific and Monmouth County maximum background concentrations, where appropriate.

VOCs

VOCs were not detected in site soil.

SVOCs

SVOCs were not detected above laboratory quantitation limits in site soil.

Pesticides/PCBs

Seven pesticides were detected above laboratory quantitation limits in either SB-34, SB-02, and SS-01 from predominantly the 0- to 2-ft bgs sampling interval. In addition, one compound (dieldrin) was detected in a concentration exceeding the NJDEP SCC and background in SB-34 (0 to 2 ft bgs). Subsequently, dieldrin was not detected in groundwater samples from MW-34. Three of the compounds detected were below the NJDEP SCC and three do not have established criteria. PCBs were not detected in site soil. Figure 4.3-15 presents the locations of compounds detected above maximum background and the NJDEP criteria.

Table 4.3-10
Fort Monmouth - Charles Wood
Summary of Detected Compounds
In Soil at Site CW-6

COMPOUND	METHOD DETECTION LIMIT (mg/kg)	RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA (mg/kg)	MAXIMUM BACKGROUND CONCENTRATION (mg/kg)	ANALYTICAL RESULTS			
				SB34-A01 1/3/95 (0-2 ft bgs)	SB34-A02 1/3/95 (2-4 ft bgs)	SB02-A01 5/10/95 (0.5-1 ft bgs)	SS01-A01 11/30/94 (1)
SVOC's (mg/kg)							
Phenanthrene	0.165	NLE	ND	ND	0.24 J	ND	ND
Fluoranthene	0.198	2300	0.042 J	0.049 J	0.18 J	ND	ND
Pyrene	0.178	1700	0.048 J	0.056 J	0.270 J	ND	ND
Benzo(a)anthracene	0.162	0.9	0.046 J	ND	0.160 J	ND	ND
Chrysene	0.145	9	0.083 J	ND	0.15 J	ND	ND
Benzo(b)fluoranthene	0.188	0.9	0.078 J	ND	0.11 J	ND	ND
Benzo(a)pyrene	0.162	0.66	0.047 J	ND	0.087 J	ND	ND
Indeno(1,2,3-cd)pyrene	0.234	0.9	ND	ND	0.054 J	ND	ND
Benzo(g,h,i)perylene	0.224	NLE	0.042 J	0.057	0.066	ND	ND
PESTICIDES (mg/kg)							
Heptachlor epoxide	0.002	NLE	ND	0.018 P	ND	0.0078 P	0.032 R
Dieldrin	0.0039	0.042	ND	**0.061 DP**	ND	ND	ND
alpha-Chlordane	0.002	NLE	ND	0.14 P	0.0034 P	.07 JD	0.870 CD
gamma-Chlordane	0.002	NLE	ND	0.11 P	0.0027 P	.068 JD	0.800 CD
4,4'-DDE	0.0037	2	0.071	0.074 P	ND	0.34 JCD	0.13
4,4'-DDD	0.0037	3	0.053	0.0095 P	ND	2.9 CD	0.86 C
4,4'-DDT	0.0037	2	ND	0.180 P	.011 P	ND	0.81 C
METALS TOTAL (mg/kg)							
Aluminum	3.9	NLE	15700	NS	NS	NS	5130
[illegible]c	0.35	20	31.6	NS	NS	NS	11.6
B[illegible]m	0.17	700	26	NS	NS	NS	72.2
Calcium	2.2	NLE	653	NS	NS	NS	4430
Cadmium	0.86	1	0.135[2]	NS	NS	NS	**4.4**
Chromium	1.6	500	128	NS	NS	NS	65.8
Copper	2.2	600	7.27[2]	NS	NS	NS	69.8
Iron	0.58	NLE	45500	NS	NS	NS	10900
Lead	0.4	400[3]	15.1[2]	NS	NS	NS	203
Magnesium	9.6	NLE	3960	NS	NS	NS	1260
Manganese	0.18	NLE	120[2]	NS	NS	NS	78.8
Mercury	0.49	14	ND	NS	NS	NS	6
Potassium	(12.3-25.8)	NLE	10600	NS	NS	NS	1420
Silver	0.54	110	0.26[2]	NS	NS	NS	1.5
Sodium	3.8	NLE	56.8	NS	NS	NS	103
Selenium	0.3	63	0.85	NS	NS	NS	0.7
Vanadium	0.53	370	59.6	NS	NS	NS	21.8
Zinc	0.41	1500	55.6	NS	NS	NS	463

Compounds exceeding NJDEP soil cleanup criteria are bolded
NA - Not Analyzed; NS - Not Sampled
ND - Compound was not detected at or below the quantification limits
J - Indicates that the concentration value was estimated due to detection at or near the quantification limits
NLE - No Level Established
C - Pesticide identification was confirmed by GC/MS
D - Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis
P - The percent difference between the results from two GC columns is greater than 25%, the lower of the two values is reported
R - Data rejected, URS The Data Validator
Note: MDL's for metal anaysis is actually the highest detection limit with potassium given as a range due to high variability.
Note: Metals were analyzed (SS-01), but were not proposed in the scope of work.
(1) - VOC/SVOC's were collected from 6" to 12" bgs, pesticides and metals were collected from 0"-6" bgs.
[2] M[illegible]outh County maximum background concentrations.
[3] [illegible]criteria are referenced in Site Remediation News, Winter 1995.

Metals

As indicated in Table 4.3-10, of the 18 metals detected in site soils, only cadmium was found in a concentration exceeding the NJDEP SCC in SS-01. In addition, cadmium was detected in a concentration greater than that determined for site-specific and Monmouth County maximum background at Charles Wood. However, in accordance with the NJDEP *Cleanup Standards for Contaminated Sites* (NJDEP, 1992), the arithmetic mean of cadmium was calculated from the 10 surface soil samples at sites CW-6 and CW-9, since the samples were collected within the same sampling interval (0 to 6 inches). The arithmetic mean or concentration was then compared with the NJDEP SCC and established background. The arithmetic mean (1 mg/kg) was found at a level equal to the NJDEP SCC (1 mg/kg). However, sites CW-06 and CW-09 are located on a golf course. *A Summary of Selected Soil Constituents and Contaminants at Background Locations in New Jersey*, 1993, provides a separate background concentration level for cadmium in golf course areas. When comparing the arithmetic mean of the analytical results at the two sites with the arithmetic mean for cadmium on golf courses in Table 9 of that document (2.26 mg/kg), the analytical result is found in a concentration below established background. Cadmium is reported in higher concentrations on golf courses due to the direct application of fertilizers, herbicides, and pesticides (Field et al., 1993). Therefore, cadmium is not considered a compounds of concern. Although metals were sampled for in surface soil location SS-01, a metals analysis was not proposed in the original scope of work.

4.3.8.6 Groundwater Sampling Results

Monitor wells MW-34 and MW-1 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 4.3-11 compares the average concentrations of the detected compounds from the February and March sampling rounds with the NJDEP GWQC, and then compares the results with the subsequent site-specific and Monmouth County maximum background concentrations, where appropriate.

Table 4.3-11
Fort Monmouth - Charles Wood
Summary of Average Concentrations of Detected Compounds in Groundwater - Site CW-6

COMPOUND	METHOD DETECTION LIMIT (µg/L)	NJDEP GROUNDWATER QUALITY CRITERIA (µg/L)	MAXIMUM BACKGROUND CONCENTRATION (µg/L)	ANALYTICAL RESULTS (µg/L) SAMPLING DATE	
				MW34 2/10/95, 3/13/95 (avg.)	MW01 5/10/95, 5/27/95 (avg.)
VOC (µg/L)					
Benzene	2.4**	1*	ND	ND	**8**
Ethylbenzene	3.1	700	ND	ND	1J
Xylene (total)	3.8	40	ND	ND	2J
Pesticide and PCB's (µg/L)					
4,4'-DDD	0.097	0.1	ND	ND	0.086J
gamma-chlordane	0.046	NLE	ND	ND	.035JP
alpha-chlordane	0.046	NLE	ND	ND	0.0545

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

ND - Indicates that the compound was not detected

J - Indicates that the concentration value was estimated due to detection at or near the detection limits

** - Method detection limit exceeded NJDEP groundwater quality criteria

P - Percent difference between the results from the GC columns is greater than 25%, the lower of the two values is reported

VOCs

One VOC (benzene) was detected above the laboratory quantitation limit in MW-1 from the February sampling round only. In addition, benzene was found in a concentration exceeding the NJDEP GWQC. Figure 4.3-15 presents the locations of the compounds detected above both background and criteria.

SVOCs

SVOCs were not detected above laboratory quantitation limits in site monitor wells MW-34 and MW-1 from either sampling round. In addition, SVOCs were detected below the NJDEP GWQC.

Pesticides/PCBs

One pesticide (alpha-chlordane) was detected in a concentration slightly above the laboratory quantitation limit in MW-1; however, NJDEP GWQCs are not established for alpha-chlordane. PCBs were not detected in site monitor wells from either sampling round.

4.3.8.7 Recommendations

The pesticide dieldrin and the metal cadmium were detected in the soil at two different locations, each at levels that exceeded NJDEP SCC and background. However, the average concentrations of dieldrin and cadmium in surface soil samples at CW-6 and CW-9 did not exceed the NJDEP SCC. Cadmium is typically present at elevated levels at golf courses. Groundwater samples indicated that benzene was detected in the existing monitor well (MW-1), which is attributed to a previously removed UST. Benzene was not detected in downgradient wells. Pesticides were not detected in any groundwater samples above NJDEP criteria.

NJDEP groundwater criteria were exceeded for one VOC, but the measured value was just slightly above the GWQC. Therefore, no immediate remedial action is necessary.

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 identified in the first two rounds of sampling would be targeted for the monitoring program.

Appendix B

Boring Logs and Monitoring Well Construction Records

Borehole Log

Roy F. WESTON, Inc.

PROJECT :	FT. MONMOUTH	TOTAL DEPTH :	14.50
SITE NAME :	CHARLES WOOD AREA 6	LOGGER :	K VALENTI
BORING ID :	CW6-MW34	DRILLING COMPANY :	J.C. ANDERSON
NORTHING :	0.0000 estimated	DRILLING RIG :	CME-55
EASTING :	0.0000 estimated	DATE STARTED :	01/03/95
ELEVATION :	0.000 estimated	DATE COMPLETED :	01/03/95

ELEVATION	DEPTH	MATERIAL	% RECOVERY	CLASSIFICATION	COLOR	STRENGTH	MOISTURE	BLOW COUNT	FIELD INSTRUMENT READING	COMMENTS
			25	Silty sand with gravel, SM	BROWN	LSE	MST	10 10 13 11	HNU 0.0	Fill(?) Collected sample CW06-SB34-A01. 3" SPS used.
				No Sample Recovered						
-1	1									
-2	2		100	Poorly graded sand, SP	GRAYISH BROWN	LSE	WET	15 18 17 21	HNU 0.0	Fill(?). 3" SPS used. Collected samp. CW06-SB34 A02. Wet @2'bgs. Sands coarsens down. Fe stain.
-3	3									
-4	4		100	Poorly graded sand, SP	OLIVE GREEN-BRO	LSE	SAT	3 3 4 4	HNU 0.0	Colors: 4-5' olive green, 5-5.6' pale brown. 5.5-6' orange brown.
-5	5									
-6	6		100	Poorly graded sand, SP	BROWN	LSE	SAT	4 5 5 5		Colors: 6-6.5 brown, 6.9-7.6 orange, 7.5-8' greenish brown.
-7	7									
-8	8		100	Poorly graded sand, SP	BROWN	LSE	SAT	6 7 7 7	HNU 0.0	Color: 8-8.5' orange 8.5-10' greenish brown more olive/brown towards bottom of spoon.
-9	9									
-10	10		25	Poorly graded sand, SP	LT BROWN	LSE	SAT	10 10 13 15	HNU 0.0	

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Borehole Log

Roy F. WESTON, Inc.

PROJECT :	FT. MONMOUTH	TOTAL DEPTH :	14.50
SITE NAME :	CHARLES WOOD AREA 6	LOGGER :	K VALENTI
BORING ID :	CW6-MW34	DRILLING COMPANY :	J.C. ANDERSON
NORTHING :	0.0000 estimated	DRILLING RIG :	CME-55
EASTING :	0.0000 estimated	DATE STARTED :	01/03/95
ELEVATION :	0.000 estimated	DATE COMPLETED :	01/03/95

ELEVATION	DEPTH	MATERIAL	% RECOVERY	CLASSIFICATION	COLOR	STRENGTH	MOISTURE	BLOW COUNT	FIELD INSTRUMENT READING	COMMENTS
				Poorly graded sand, SP	LT BROWN	LSE	SAT		HNU 0.0	
				No Sample Recovered						
-11	11									
-12	12		100	Poorly graded sand, SP	LT BROWN	LSE	SAT	10 13 15 15	HNU 0.0	TD of borehole 14.5'. Lt orange banding from 13-13.8. 13-8-14 heavy Fe banding.
-13	13									
-14	14			Interval Not Sampled						Augered interval.
-15	15									
-16	16									
-17	17									
-18	18									
-19	19									
-20	20									

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BOREHOLE ID : CW6-MW34 *PROJECT NAME:* FT. MONMOUTH
BEGIN DATE : 01/03/95 *END DATE :* 01/03/95

LOGGER/COMPANY : K VALENTI

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

TOTAL DEPTH : 14.50 *DEPTH TO BEDROCK :* 0.00

BOREHOLE DIAMETER #1: 12.00
INTERVAL: 0.00 ft. to 14.50 ft. BGS
METHOD : HSA *FLUID :* WATER
BOREHOLE DIAMETER #2:
INTERVAL:
METHOD : *FLUID :*
BOREHOLE DIAMETER #3:
INTERVAL:
METHOD : *FLUID :*

DRILLING COMPANY : J.C. ANDERSON
DRILLER : WELLS REEVE
DRILL RIG TYPE : CME-55

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

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

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 :

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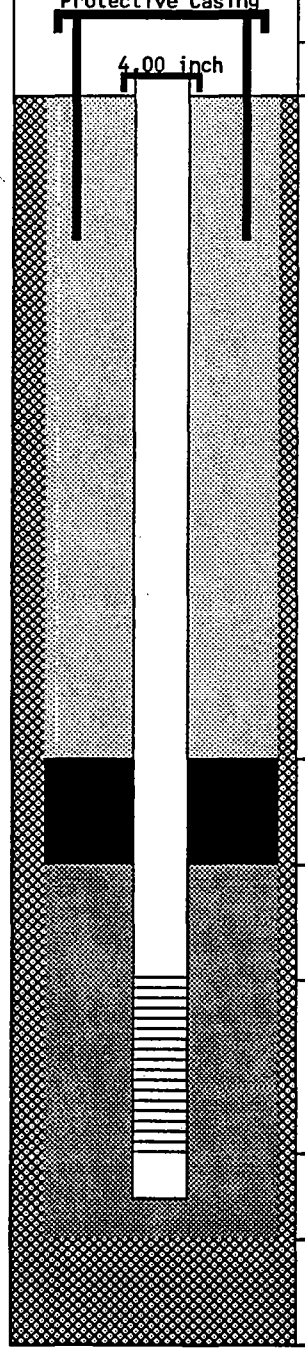
Well Completion Summary

Roy F. WESTON, Inc.

CLIENT	FT. MONMOUTH	***DRILLING FIRM***	J.C. ANDERSON
SITE NAME	CHARLES WOOD AREA 6	***INSPECTOR***	K. VALENTI

WELL ID	CW6-MW34
START DATE	01/03/95
COMPLETION DATE	01/03/95

WATER LEVELS



DEPTH		***ELEV.***
1.79	*TC*	33.76
0.00	*GS*	31.97
1.00	*BN*	30.97
3.00	*SP*	28.97
4.50	*SC*	27.47
14.04	*BS*	17.93
14.50	*TD*	17.47

DRILLING SUMMARY

Driller WELLS REEVE
Drilling Fluid WATER
Well Type SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

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

Stick Up Inner Casing: 1.79 ***ft.*** ***Protective Casing:*** 2.20 ***ft.***

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

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

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

Silt Trap Interval: 14.04 to 14.50 ***ft.***
Backfill Type : ***Interval:*** 0.00 to 0.00 ***ft.***

WELL DEVELOPMENT

Date 01/06/95
Method Bailing/overpumping
Yield 3 gpm ***Purged Volume*** 150 gal

COMMENTS

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

= Grout
= Seal
= Sand Pack
= Formation

Additional Comments:

NOTE: Well Diagram not to Scale

Elevations are feet above mean sea level

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

06/20/95

2044 SERIAL # 37094

DWR-133M (7/92)

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
TRENTON, NJ

2930 97
2930 97
2930 97

Permit No. 35

Mail to
Water Allocation
CN 029
Trenton, N.J. 08625

MONITORING WELL PERMIT

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

COORD #: 2691838 34

Owner US Army Fort Monmouth

Address Fort Monmouth, NJ 07703

Driller Tree Organization, LTD

Address 1350 Rt 130 S
Burlington, NJ 08016

Name of Facility Coastal Site (Charles Monroe Bldg)

Address 2044
Fort Monmouth, NJ 07703

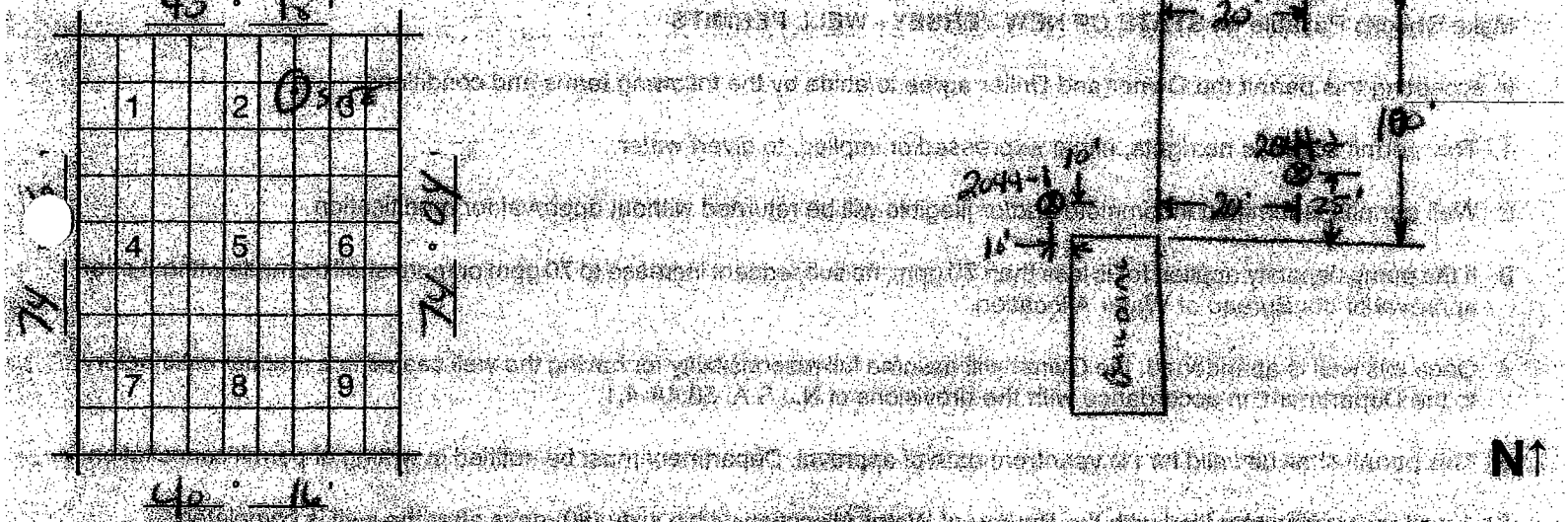
Diameter of Well(s)	4 Inches	Proposed Depth of Well(s)	15 Feet
# of Wells Applied for (max. 10)	3	Will pumping equipment be installed? YES ☐ NO ☒	
Type of Well (see reverse)	Monitoring	If yes, give pump capacity	GPM

LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
		Fort Monmouth	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 Fund Case
- ☐ ECRA Case
- ☐ CERCLA (Superfund) Site
- ☐ RCRA Site
- ☒ Underground Storage Tank
- ☐ NJPDES Municipal Discharge Permit
- ☐ NJPDES Industrial Discharge Permit
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☐ Other (explain)

Case I.D. Number
93-6-28-1009-35

This Space for Approval Stamp

WELL PERMIT APPROVED
Dept. of Environmental Protection
Water Resources/Water Allocation
APR 5 1994

FOR D.E.P.E. 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.
☐

SEE 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 March 28, 1994

Signature of Driller [signature] License # 1421

Signature of Owner [signature] SELF-PUMP

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

U.S. ARMY
FORT MONMOUTH
SELFM PW EV

LOG OF BORING 2044-mw1

Produced for Charles Appleby

Project Name	: BLDG. 2044	Completion Date	: 6/30/94
NJDEP Case #	: 93-6-28-1009-35	Northing	: N 533617.263
Logged By	: TYREE INC.	Easting	: E 2164839.310
Start Date	: 6/30/94	Driller	: M. Beck

Depth in Feet	29-30970 ELEV: 35.06	DESCRIPTION	GRAPHIC	USCS	Samples	Blows/Ft	Well Construction Information
0		Topsoil					Well Construction Date Completed : 6/30/94 Hole Diameter : 8 in Drill Method : HSA Company Rep : M. Beck Well Casing Material : PVC Diameter : 4 in Joints : Threaded Well Screen Material : PVC Diameter : 4 in Joints : Threaded Opening : 20 Slot Sand Pack : # 2 Morie Sand Annulus Seal : Bentonite/Portland : Tremmie Well Screen Material : PVC Diameter : 4 in
1		Medium to coarse sand		SP			
2							
4	6/30/94						
6							
8							
10							
12							NOTES Well #1 is 2044 MW1
14		Black clay and silt		CL			
15							
16							

2-23-1996 C:\2044MW\GEO\2044 mw1.ge3

MONITORING WELL CERTIFICATION-FORM & LOCATION CERTIFICATION

Name of Permittee: U.S. ARMY
Name of Facility: FORT MONMOUTH
Location: MONMOUTH COUNTY, NJ
Case ~~NJPDES~~ Number: 93-6-28-1001-35

LAND SURVEYOR'S CERTIFICATION

Well Permit Number:
This number must be permanently affixed to the well casing. 29-30 970 -

Longitude (to nearest second): West 74° 04' 32.64"

Latitude (to nearest second): North 40° 17' 48.58"

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot): 35.06

Elevation of ground level (1/100th ft.) 32.85

Source of elevation datum (benchmark, nail, etc.) and year. (If an alternate datum has been approved by the Department, identify here, assume datum of 100', and give approximated actual elevation.) Source: FM-12

☒ 1927 ☐ 1983

Elev.: 35.26

Owners Well Number (As shown on application or plans): BLDG 2044 MW-1

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or from an alternate datum approved by the Department. Tolerances should meet third order standards, which are 0.05 ft x $(\text{mile})^{1/2}$. For sections less than 0.1 mile, let miles = 0.1.

AUTHENTICATION

I certify 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.

Wayne W Burgett
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

WAYNE W BURGETT
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

SEAL

31654
PROFESSIONAL LAND SURVEYOR'S LICENSE #

GEOLIS Drilling Activity Log Form

CLIENT: Fort Manmouth
PROJECT / JOB No.:
LOCATION: Bldg 2044
BOREHOLE / WELL No.: MW1
LOGGED BY: Vaughn Swanson
DRILLING COMPANY: Tyrec
DRILLER: M Beck
HELPER / CREW: J Rider
DRILLING TYPE:
DRILLER APPROVAL BY:

DATE	TIME START	TIME END	DRILLING ACTIVITY CODE	TOOL DIAM. (IN.)	SAMPLING METHOD	FOOTAGE DRILLED	EXPLANATION
6/30/04	6	2	W2	4	SSC	15	water encountered at 3 feet depth

ACTIVITIES - GENERAL

- SBY = STANDBY
- DNT = DOWNTIME
- WU = WELL INSTALLATION
- DCN = DECONTAMINATION
- WDV = WELL DEVELOPMENT
- GRT = GROUTING
- SPR = SITE SET UP/CLEAN UP
- TST = TESTING
- MOB = MOBILIZATION
- WKB = WORK BREAK
- WTR = FILL WATER TRUCK
- OTH = OTHER

ACTIVITIES - DRILLING

- HSA = HOLLOW STEM AUGERING
- MDR = MUD ROTARY
- ARR = AIR ROTARY
- RTF = ROTARY PLUSH
- CBT = CABLE TOOL
- REM = REAMING
- DCD = DRILL THROUGH CASING DRIVER
- DUR = DUAL ROTARY CASING DRIVER
- COR = CORING
- RVC = REVERSE CIRCULATION
- DHH = DOWNHOLE HAMMER
- DAW = DRIVE CASING & WASH
- OTH = OTHER

SAMPLING (TESTING) METHODS

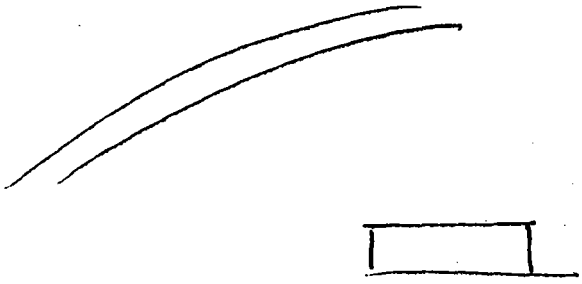
- SS/5 = 5-FT SPLIT SPOON SAMPLING
- SS/C = CONTINUOUS SPLIT SPOON SAMPLING
- CS/? = CALIFORNIA SPLIT SPOON SAMPLING (REPLACE ? WITH SAMPLING INTERVAL)
- CTS = CONTINUOUS TUBE SAMPLING
- STS = SHELBY TUBE SAMPLING
- COR = CORING
- WTS = WATER SAMPLING
- PKT = PACKER TESTING
- BGP = BOREHOLE GEOPHYSICS
- PMT = PUMPING TESTING
- SGT = SLUG TESTING
- OTH = OTHER

SUPPORT SERVICES OR DRILLING/WELL SUPPLIES (TYPE & SIZE)	DATE	HOURS	QUANTITY	UNIT

FIELD LOG OF BORING

SHEET ____ OF ____

LOCATION OF BORING: Fort Monmouth Bldg. 2044 MW-1



PROJECT: US Army Fort Monmouth	BORING NO: MW-1
	TOTAL DEPTH:
JOB NO:	LOGGED BY: V. Swanson
PROJ. MGR.: JC	EDITED BY:
DRILLING CONTRACTOR: Tyree	
DRILL RIG TYPE: Mobil B-80	
DRILLERS NAME: M. Beck	
SAMPLING METHODS: split spoon	
HAMMER WT.: 140	DROP: 30"
STARTED, TIME: 0600	DATE: 7/1/94
COMPLETED, TIME: 1400	DATE: 7/1/94
BORING DEPTH (ft): 15	
CASING DEPTH (ft): 2	
WATER DEPTH (ft): 3-4	
TIME: 1400	
DATE: 7/5/94	
BACKFILLED, TIME: 1400	DATE: 7/5/94 BY: MB
SURFACE ELEV:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6 IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE (min./ft.)	PID READING (ppm)	ODOR (Y / N ?)	GRAPHIC WELL CONST.	DEPTH IN FEET	GRAPHIC LOG	
0-2	SS	7	6	12			0	N	SC	1	Casing Bentonite	Medium Red brown Sand and Clay with gravel and trace silt
		3	6									
		5	6									
		6	6							2		
2-4	SS	1	6				0	N				Course Grey Sand and gravel
		1	6							3		Sample collected 2-4'
		2	6									
		1	6							4		
4-6		4					0	N				Same
										5		
									GP			
6-8							0	N		6	Screen	Same
										7		
8-10							0	N		8		Same
										9		
10-12							0	N		10		
12-14							0	N				Same from 10' down to 15' Fine Grey sand and clay
15												

U.S. ARMY
FORT MONMOUTH
SELFM PW EV

LOG OF BORING 2044-mw2

Produced for Charles Appleby

Project Name	: BLDG. 2044	Completion Date	: 7/1/94
NJDEP Case #	: 93-6-28-1009-35	Northing	: N 533556.274
Logged By	: TYREE INC.	Easting	: E 2164798.647
Start Date	: 7/1/94	Driller	: M. Beck

Depth in Feet	29-30971 ELEV: 32.19	DESCRIPTION	GRAPHIC	USCS	Samples	Blows/Ft
0		Topsoil				
.6		Medium to coarse sand				
1						
2						
	7/1/94					
4						
6				SP		
8						
10						
12						
14		Black clay and silt		CL		
15						
16						

Well Construction Information

Well Construction

Date Completed	: 7/1/94
Hole Diameter	: 8 in
Drill Method	: HSA
Company Rep	: M. Beck

Well Casing

Material	: PVC
Diameter	: 4 in
Joints	: Threaded

Well Screen

Material	: PVC
Diameter	: 4 in
Joints	: Threaded
Opening	: 20 Slot
Sand Pack	: # 2 Morie Sand
Annulus Seal	: Bentonite/Portland : Tremmie

Well Screen

Material	: PVC
Diameter	: 4 in

NOTES

Well #1 is 2044 MW2

2-23-1996 C:\2044MW\GEO\2044 mw2.gp3

FIELD LOG OF BORING

SHEET ____ OF ____

LOCATION OF BORING: Fort Monmouth Building 2044 MW2

MW-2

PROJECT: US Army Fort Monmouth

BORING NO: MW-2

TOTAL DEPTH: 15

JOB NO:

LOGGED BY: V. Swanson

PROJ. MGR.: JJC

EDITED BY:

DRILLING CONTRACTOR: Tyree

DRILL RIG TYPE: Mobil B80

DRILLERS NAME: Mike Beck

SAMPLING METHODS: split spoon

HAMMER WT.: 140 DROP: 30"

STARTED, TIME: 6 AM DATE: 6/30/94

COMPLETED, TIME: 2 PM DATE: 6/30/94

BORING DEPTH (ft): 15

CASING DEPTH (ft): 2

WATER DEPTH (ft): 3-4

TIME:

DATE:

BACKFILLED, TIME: DATE: 6/30/94 BY: Tyree

SURFACE ELEV: DATUM:

CONDITIONS:

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6 IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE (min./ft.)	PID READING (ppm)	ODOR (Y / N ?)	GRAPHIC WELL CONST.	DEPTH IN FEET	GRAPHIC LOG
0-2	SS	14	6	24			0	N	casing → bentonite	1	
		8	6								
		10	6								
		24	6							2	
2-4	SS	17	6	24			0	N			
		16	6							3	
		15	6								
		16	0				0	N		4	
									screen		
										5	
							0	N		6	
										7	
							0	N		8	
										9	
							0	N		10	

Medium Red brown Sand and clay with decomposed vegetation. SC ← sample

Green Brown Sand with some clay and trace till SP ← sample

4' water encountered.

SAME soil SC

SAME

SAME

SAME

TYREE ENVIRONMENTAL TECHNOLOGIES

MONITORING WELL CERTIFICATION-FORM A-LOCATION CERTIFICATION

Name of Permittee: U.S. ARMY
Name of Facility: FORT MONMOUTH
Location: MONMOUTH COUNTY, NJ
Case ~~NJPDES~~ Number: 93-6-28-1009-35

LAND SURVEYOR'S CERTIFICATION

Well Permit Number:
This number must be permanently affixed to the well casing. 29-30172 L-

Longitude (to nearest second): West 74° 04' 33.17"

Latitude (to nearest second): North 40° 17' 47.98"

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot): 35.05

Elevation of ground level (1/100th ft.) 32.19

Source of elevation datum (benchmark, nail, etc.) and year. (If an alternate datum has been approved by the Department, identify here, assume datum of 100', and give approximated actual elevation.) Source: FM-12

☒ 1927 ☐ 1983

Elev.: 35.26

Owners Well Number (As shown on application or plans): BLDG 2044 MW-2

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or from an alternate datum approved by the Department. Tolerances should meet third order standards, which are 0.05 ft x $(\text{mile})^{1/2}$. For sections less than 0.1 mile, let miles = 0.1.

AUTHENTICATION

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Wayne W Burgett
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

WAYNE W BURGETT
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

SEAL

31654
PROFESSIONAL LAND SURVEYOR'S LICENSE #

U.S. ARMY
FORT MONMOUTH
SELFM PW EV

LOG OF BORING 2044-mw3

Produced for Charles Appleby

Project Name	: BLDG. 2044	Completion Date	: 7/1/94
NJDEP Case #	: 93-6-28-1009-35	Northing	: N 533658.690
Logged By	: TYREE INC.	Easting	: E 2164829.734
Start Date	: 7/1/94	Driller	: M. Beck

Depth in Feet	29-30972 ELEV: 36.34	DESCRIPTION	GRAPHIC	USCS	Samples	Blows/Ft	Well Construction Information
0		Topsoil					
1		Medium to coarse sand		SP			
2							
4	7/1/94						
6							
8							
10							
12							
14		Black clay and silt		CL			
15							
16							

Well Construction

Date Completed	: 7/1/94
Hole Diameter	: 8 in
Drill Method	: HSA
Company Rep	: M. Beck

Well Casing

Material	: PVC
Diameter	: 4 in
Joints	: Threaded

Well Screen

Material	: PVC
Diameter	: 4 in
Joints	: Threaded
Opening	: 20 Slot
Sand Pack	: # 2 Morie Sand
Annulus Seal	: Bentonite/Portland : Tremmie

Well Screen

Material	: PVC
Diameter	: 4 in

NOTES

Well #1 is 2044 MW3

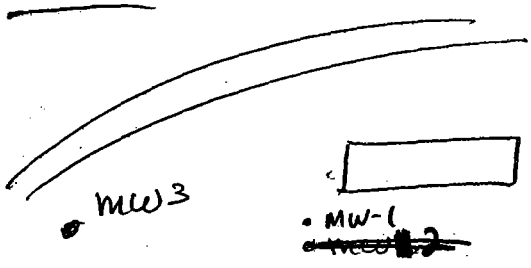
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FIELD LOG OF BORING

SHEET ____ OF ____

LOCATION OF BORING: Fort Monmouth, Building # 2044

MW3



PROJECT: US Army Fort Monmouth.	BORING NO:
	TOTAL DEPTH:
JOB NO: SELFM-PW-EV	LOGGED BY: V Swanson
PROJ. MGR.: JC	EDITED BY:
DRILLING CONTRACTOR: Tyree	
DRILL RIG TYPE: Mobil B80	
DRILLERS NAME: Mike Beck	
SAMPLING METHODS: Split Spoon	
HAMMER WT.: 100 lb	DROP:
STARTED, TIME: 0600	DATE: 7/1/94
COMPLETED, TIME: 1400	DATE: 7/1/94
BORING DEPTH (ft): 15'	
CASING DEPTH (ft): 2'	
WATER DEPTH (ft): 3-4'	
TIME:	
DATE:	
BACKFILLED, TIME:	DATE: 7/1 BY:
SURFACE ELEV:	DATUM:
CONDITIONS:	

SAMPLE DEPTH	SAMPLER TYPE	BLOWS / 6 IN.	INCHES DRIVEN	INCHES RECOVERED	SAMPLE CONDITION	DRILLING RATE (min./ft.)	PID READING (ppm)	ODOR (Y / N ?)	GRAPHIC WELL CONST.	DEPTH IN FEET	GRAPHIC LOG	
0-2	SS	7	6	24			0	N	Casing bentonite			Red Brown, Medium Sand and Clay with decomposed vegetation.
		4	6							1	SC	
		4	6									
		6	6									
2-4	SS	5	6	24			0	N		2		Green Brown, Medium Sand with some clay and trace fill
		6	6									
		7	6							3		Sample collected
4-6		9	6				0	N		4		4' Water encountered
												Same Soil
										5		
6-8							0	N	Screen			Same Soil
										6		
8-10										7		
							0	N				Same Soil
										8		
										9		
10-15'							0	N				Same Soil
										10		

GEOLIS Drilling Activity Log Form

CLIENT: Fort Monmouth
PROJECT / JOB No.:
LOCATION: Bldg 2044
BOREHOLE / WELL No.: MW 2, MW3
LOGGED BY: Vaughn Swanson

DRILLING COMPANY: Tyree
DRILLER: M Beck
HELPER / CREW: J Rider
DRILLING TYPE: Mobil B80
DRILLER APPROVAL BY:

DATE	TIME START	TIME END	DRILLING ACTIVITY CODE	TOOL DIAM. (IN.)	SAMPLING METHOD	FOOTAGE DRILLED	EXPLANATION
7/1/94	6	2	W2	4	SSC	15	Water encountered
7/1/94	6	2	W2	4	SSC	15	at 3 feet depth
							for both wells

ACTIVITIES - GENERAL

- SBY = STANDBY
- DNT = DOWNTIME
- WLI = WELL INSTALLATION
- DCN = DECONTAMINATION
- WDV = WELL DEVELOPMENT
- GRT = GROUTING
- SPR = SITE SET UP/CLEAN UP
- TST = TESTING
- MOB = MOBILIZATION
- WKB = WORK BREAK
- WTR = FILL WATER TRUCK
- OTH = OTHER

ACTIVITIES - DRILLING

- HSA = HOLLOW STEM AUGERING
- MDR = MUD ROTARY
- ARR = AIR ROTARY
- RTF = ROTARY FLUSH
- CBT = CABLE TOOL
- REM = REAMING
- DCD = DRILL THROUGH CASING DRIVER
- DUR = DUAL ROTARY CASING DRIVER
- COR = CORING
- RVC = REVERSE CIRCULATION
- DHH = DOWNHOLE HAMMER
- DAW = DRIVE CASING & WASH
- OTH = OTHER

SAMPLING (TESTING) METHODS

- SS/5 = 5-FT SPLIT SPOON SAMPLING
- SS/C = CONTINUOUS SPLIT SPOON SAMPLING
- CS/? = CALIFORNIA SPLIT SPOON SAMPLING (REPLACE ? WITH SAMPLING INTERVAL)
- CTS = CONTINUOUS TUBE SAMPLING
- STS = SHELBY TUBE SAMPLING
- COR = CORING
- WTS = WATER SAMPLING
- PKT = PACKER TESTING
- BGP = BOREHOLE GEOPHYSICS
- PMT = PUMPING TESTING
- SGT = SLUG TESTING
- OTH = OTHER

SUPPORT SERVICES OR DRILLING/WELL SUPPLIES (TYPE & SIZE)	DATE	HOURS	QUANTITY	UNIT

MONITORING WELL CERTIFICATION-FORM A-LOCATION CERTIFICATION

Name of Permittee: U.S. ARMY
Name of Facility: FORT MONMOUTH
Location: MONMOUTH COUNTY, NJ
Case ~~NJPDES~~ Number: 93-6-28-1009-35

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This number must be permanently affixed to the well casing. 29-30972-

Longitude (to nearest second): West 74°04'32.76"

Latitude (to nearest second): North 40°17'48.99"

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot): 36.34

Elevation of ground level (1/100th ft.) 33.79

Source of elevation datum (benchmark, nail, etc.) and year. (If an alternate datum has been approved by the Department, identify here, assume datum of 100', and give approximated actual elevation.) Source: FM-12

☒ 1927 ☐ 1983

Elev.: 35.26

Owners Well Number (As shown on application or plans): BLDG 2044 MW-3

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Wayne W. Burgett
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

WAYNE W BURGETT
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

SEAL

31654
PROFESSIONAL LAND SURVEYOR'S LICENSE #

DWR-138 M
12/91

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

MONITORING WELL RECORD

Well Permit No. _____ - _____
Atlas Sheet Coordinates _____ : _____ : _____ ☐

OWNER IDENTIFICATION - Owner _____
Address _____
City _____ State _____ Zip Code _____

WELL LOCATION - If not the same as owner please give address. Owner's Well No. MW 34
County _____ Municipality _____ Lot No. _____ Block No. _____
Address _____

TYPE OF WELL (as per Well Permit Categories) _____ Date well completed ___/___/___
Regulatory Program Requiring Well _____ Case I.D. # _____

CONSULTING FIRM/FIELD SUPERVISOR (if applicable) _____ Tele. # _____

WELL CONSTRUCTION

Total depth drilled _____ ft.
Well finished to _____ ft.
Borehole diameter:
Top _____ in.
Bottom _____ in.
Well was finished: ☐ above grade ☐ flush mounted
If finished above grade, casing height (stick up) above land surface _____ ft.
Was steel protective casing installed? ☐ Yes ☐ No

	Depth to Top (ft.) [From land surface]	Depth to Bottom (ft.)	Diameter (inches)	Type and Material
Inner Casing				
Outer Casing (Not Protective Casing)				
Screen (Note slot size)				
Tail Piece				
Gravel Pack				
Annular Seal/Grout				
Method of Grouting				

Static water level after drilling _____ ft.
Water level was measured using _____
Well was developed for 2 hours at 10 gpm
Method of development pumping
Was permanent pumping equipment installed? ☐ Yes ☐ No
Pump capacity _____ gpm
Pump type: _____
Drilling Method _____
Drilling Fluid _____ Type of Rig _____
Name of Driller _____
Health and Safety Plan submitted? ☐ Yes ☐ No
Level of Protection used on site (circle one) None D C B A
N.J. License No. _____
Name of Drilling Company _____

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

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

Driller's Signature Wellington Rig 20 Date 4-19-95

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

Appendix C

Site Photographs

APPENDIX C
Site Photographs
CW-6 Pesticide Storage Site
Fort Monmouth, New Jersey



Buildings T-2044 and T-2070



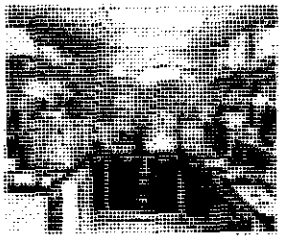
Monitoring Wells

Appendix D

Groundwater Laboratory Data Sheets

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-6224 FAX: (732)532-3484
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING



ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
2494.05	MW-01	29-30970	04/30/97
2494.03	MW-02	29-30971	04/30/97
2494.04	MW-03	29-30972	04/30/97
2494.06	MW-34	29-32599	04/30/97

NJDEP Laboratory Certification # 13461

Report Date: 7 October, 1997

Daniel Wright
Laboratory Director

METHODOLOGY SUMMARY

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

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



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (908)532-4359 Fax (908)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J Fallon
Phone #:
(✓)DERA ( )OMA ( )Other:
Project No:
Location: Bldg 2044
Samplers Name / Company: TVS Ray Pogwist

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
24940 1	Trip Blank	4-30-97	0845	AQ	2	X								(VOA - HCl) (Metals - HNO3)
02	Field Blank		1000		5	X	X	X	X					All Samples Kept T ≤ 4°C
03	Bldg 2044 MW#2		1120		5									#29 30471
04	Bldg 2044 MW#3		1140		5									#29 30972
05	Bldg 2044 MW#1		1555		5									#29 30470
06	Bldg 2044 MW 34		1605		5									#29 32549
07	Field Dup		—		5									
														DTW MW #35 - 4.0'
														DTW MW #36 - 5.5'

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	4/30/97 0820	Sarah [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:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: 2044
MW# 1
NJDEP ID# 2930970
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER

DATE: 04/30/97 WEATHER: SUNNY 60'S

ELEVATION OF CASING SURVEY MARK 35.06
DTW: 3.60
DEPTH OF WELL: 17.98
HEIGHT OF WATER 14.29
14.29 X 0.65 X ___3___ = 27.87
GAL OF H2O TO BE EVACUATED 27.87 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) PERISTALIC
PURGE RATE 0.3 GPM
Hnu READING 0

PURGE START TIME: 14:20
pH: 7.05 TEMP 59.1 DEG F
DISSOLVED O2 3.1 PPM SPECIFIC CONDUCTIVITY 124 us/cm

PURGE END TIME: 15.55
pH: 7.21 TEMP 60.5 DEG F
DISSOLVED O2 2.9 PPM SPECIFIC CONDUCTIVITY 132 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 4.40 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 28.5 GAL

pH: 7.22 TEMP 60.7 DEG F
DISSOLVED O2 2.8 PPM SPECIFIC CONDUCTIVITY 131 us/cm

COMMENTS:_____
_____
_____

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: 2044
MW#: 2
NJDEP ID#: 2930971
NJDEP CERT#: 13461
SAMPLING CONTRATOR: TVS
SAMPLER: RAY POGWIST

DATE: 4/30/97 WEATHER: SUNNY 60'S

ELEVATION OF CASING SURVEY MARK: 32.19
DTW: 3.03
DEPTH OF WELL: 16.80
HEIGHT OF WATER: 13.77
13.77 X 0.65 X 3 = 26.85
GAL OF H2O TO BE EVACUATED: 26.85
PURGE METHOD (FLOW OF >0.5 TO <5.0 GPM) : PERISTALTIC
PURGE RATE IN GPM: 0.3
Hnu in PPM: 0

PURGE START TIME: 9:45
pH: 7.41 TEMP IN ° F: 55.8
DISSOLVED O_2 IN PPM: 3.1 SPECIFIC CONDUCTIVITY IN us/cm: 261

PURGE END TIME: 11:15
pH: 7.65 TEMP IN °F: 57.2
DISSOLVED O_2 IN PPM: 2.4 SPECIFIC CONDUCTIVITY IN us/cm: 267

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING IN FT: 4.90
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED IN GAL.: 27.0

pH: 7.68 TEMP IN °F: 57.3
DISSOLVED O_2 IN PPM: 2.3 SPECIFIC CONDUCTIVITY IN us/cm: 268

COMMENTS:_____
_____
_____

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: 2044
MW# 3
NJDEP ID# 2930972
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE: 04/30/97 WEATHER: SUNNY 60'S

ELEVATION OF CASING SURVEY MARK 36.34
DTW: 3.90
DEPTH OF WELL: 17.78
HEIGHT OF WATER 13.88
13.88 X 0.65 X ___3___ = 27.07
GAL OF H2O TO BE EVACUATED 27.07 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) __PERISTALIC___
PURGE RATE 0.3 GPM
Hnu READING 0

PURGE START TIME: 9:55
pH: 7.04 TEMP 55.1 DEG F
DISSOLVED O2 3.5 PPM SPECIFIC CONDUCTIVITY 91 us/cm

PURGE END TIME: 11:26
pH: 7.13 TEMP 56.1 DEG F
DISSOLVED O2 2.5 PPM SPECIFIC CONDUCTIVITY 105 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 4.25 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 27.3 GAL

pH: 7.15 TEMP 56.2 DEG F
DISSOLVED O2 2.4 PPM SPECIFIC CONDUCTIVITY 105 us/cm

COMMENTS:_____
_____
_____

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: 2044
MW# 34
NJDEP ID# 2932599
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE: 04/30/97 WEATHER: SUNNY 60'S

ELEVATION OF CASING SURVEY MARK
DTW: 3.75
DEPTH OF WELL: 16.90
HEIGHT OF WATER 13.15
13.15 X 0.65 X 3 = 25.64
GAL OF H2O TO BE EVACUATED 25.64 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) PERISTALIC
PURGE RATE 0.3 GPM
Hnu READING 0

PURGE START TIME: 14:30
pH: 7.24 TEMP 62.9 DEG F
DISSOLVED O2 2.5 PPM SPECIFIC CONDUCTIVITY 251 us/cm

PURGE END TIME: 16:00
pH: 7.15 TEMP 63.1 DEG °C
DISSOLVED O2 2.3 PPM SPECIFIC CONDUCTIVITY 213 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 4.51 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 27.0 GAL

pH: 7.11 TEMP 63.3 DEG F
DISSOLVED O2 2.2 PPM SPECIFIC CONDUCTIVITY 202 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	**V00731**	Sample Name	**Daily Blank**
Date	**2-May-97**	Field ID	**Daily Blank**
Analyst	**Skelton**	Dilution Factor	**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 **v00745.d**
Operator **Paul Skelton**
Date Acquired **05/ 2/97 22:11**

Sample Name **2494.01**
Field ID **Trip Blank**
Sample Multiplier **1**

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

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

Data File Name **v00746.d**
Operator **Paul Skelton**
Date Acquired **05/ 2/97 22:57**

Sample Name **2494.02**
Field ID **Field Blank**
Sample Multiplier **1**

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

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

Data File Name **v00749.d**
Operator **Paul Skelton**
Date Acquired **05/ 3/97 01:17**

Sample Name **2494.05**
Field ID **Bldg 2044 MW1**
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 **v00747.d**
Operator **Paul Skelton**
Date Acquired **05/ 2/97 23:43**

Sample Name **2494.03**
Field ID **Bldg 2044 MW2**
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 **v00748.d**
Operator **Paul Skelton**
Date Acquired **05/ 3/97 12:30**

Sample Name **2494.04**
Field ID **Bldg 2044 MW3**
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 **v00750.d**
Operator **Paul Skelton**
Date Acquired **05/ 3/97 02:04**

Sample Name **2494.06**
Field ID **Bldg 2044 MW34**
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 **V00751.D**
Operator **Paul Skelton**
Date Acquired **05/ 3/97 02:51**

Sample Name **2494.07**
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	13.49	118985	6.08 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Daily Blank**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2494 Location CW-6 SDG No.:

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

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00731.D

Level: (low/med) LOW Date Received: 04/30/97

% Moisture: not dec. Date Analyzed: 05/02/97

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 B2044

NJDEP # 13461 Case No.: 2494 Location _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2494.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00745.D

Level: (low/med) LOW Date Received: 04/30/97

% Moisture: not dec. _____ Date Analyzed: 05/02/97

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: 4

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 004392-30-7	Benzene, cyclobutyl-	26.76	5	JN
2. 000091-20-3	Naphthalene	31.13	34	JN
3. 001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6	35.40	5	JN
4. 000090-12-0	Naphthalene, 1-methyl-	38.16	21	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL Project B2044

NJDEP # 13461 Case No.: 2494 Location _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2494.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00746.D

Level: (low/med) LOW Date Received: 04/30/97

% Moisture: not dec. _____ Date Analyzed: 05/02/97

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: MW1

Lab Name: FMETL Project B2044

NJDEP # 13461 Case No.: 2494 Location _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2494.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00749.D

Level: (low/med) LOW Date Received: 04/30/97

% Moisture: not dec. _____ Date Analyzed: 05/03/97

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

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

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

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 001066-40-6	Silanol, trimethyl-	13.93	33	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW2**

Lab Name: FMETL Project B2044

NJDEP # 13461 Case No.: 2494 Location _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2494.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00747.D

Level: (low/med) LOW Date Received: 04/30/97

% Moisture: not dec. _____ Date Analyzed: 05/02/97

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: **MW3**

Lab Name: FMETL Project B2044

NJDEP # 13461 Case No.: 2494 Location _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2494.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00748.D

Level: (low/med) LOW Date Received: 04/30/97

% Moisture: not dec. _____ Date Analyzed: 05/03/97

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

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

CONCENTRATION UNITS:

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

Number TICs found: 2

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000057-13-6	Urea	5.20	3	JN
2. 001066-40-6	Silanol, trimethyl-	13.94	18	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW34**

Lab Name: FMETL Project B2044

NJDEP # 13461 Case No.: 2494 Location _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2494.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00750.D

Level: (low/med) LOW Date Received: 04/30/97

% Moisture: not dec. _____ Date Analyzed: 05/03/97

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

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

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

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 001066-40-6	Silanol, trimethyl-	13.93	43	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Dup**

Lab Name: FMETL Project B2044

NJDEP # 13461 Case No.: 2494 Location _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2494.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V00751.D

Level: (low/med) LOW Date Received: 04/30/97

% Moisture: not dec. _____ Date Analyzed: 05/03/97

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-	13.94	28	JN

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Data File Name	**BN0139.D**	Sample Name	**Extraction Blank 05/07/97**
Operator	**Paul Skelton**	Field ID	**SBLK01**
Date Acquired	**05/20/97 22:26**	Sample Multiplier	**1**

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

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate			not detected	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			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 **bn0140.d**
Operator **Paul Skelton**
Date Acquired **05/20/97 23:11**

Sample Name **2494.02**
Field ID **Field Blank 04/30/97**
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			not detected	0.23	ug/L	900
206-44-0	Fluoranthene			not detected	0.41	ug/L	300
92-87-5	Benzidine			not detected	1.45	ug/L	50
129-00-0	Pyrene			not detected	0.32	ug/L	200
85-68-7	Butylbenzylphthalate			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 **bn0143.d**
Operator **Paul Skelton**
Date Acquired **05/21/97 01:28**

Sample Name **2494.05**
Field ID **Bldg 2044 MW1**
Sample Multiplier **1**

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

84-66-2	Diethylphthalate			not detected	0.82	ug/L	5000
86-73-7	Fluorene			not detected	0.29	ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23	ug/L	20
103-33-3	Azobenzene			not detected	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82	ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08	ug/L	1
85-01-8	Phenanthrene			not detected	0.18	ug/L	
120-12-7	Anthracene			not detected	0.19	ug/L	2000
84-74-2	Di-n-butylphthalate			not detected	0.23	ug/L	900
206-44-0	Fluoranthene			not detected	0.41	ug/L	300
92-87-5	Benzidine			not detected	1.45	ug/L	50
129-00-0	Pyrene			not detected	0.32	ug/L	200
85-68-7	Butylbenzylphthalate	23.99	12884	0.65 ug/L	0.47	ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22	ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46	ug/L	60
218-01-9	Chrysene			not detected	0.20	ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	0.51	ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82	ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37	ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32	ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31	ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79	ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28	ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40	ug/L	

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Data File Name **bn0141.d**
Operator **Paul Skelton**
Date Acquired **05/20/97 23:57**

Sample Name **2494.03**
Field ID **Bldg 2044 MW2**
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	20.54	4505087	81.36 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	24.01	382027	18.84 ug/L	0.47	ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22	ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46	ug/L	60
218-01-9	Chrysene			not detected	0.20	ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate	25.53	133176	4.95 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 **bn0142.d**
Operator **Paul Skelton**
Date Acquired **05/21/97 00:42**

Sample Name **2494.04**
Field ID **Bldg 2044 MW3**
Sample Multiplier **1**

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

84-66-2	Diethylphthalate			not detected	0.82	ug/L	5000
86-73-7	Fluorene			not detected	0.29	ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23	ug/L	20
103-33-3	Azobenzene			not detected	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82	ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08	ug/L	1
85-01-8	Phenanthrene			not detected	0.18	ug/L	
120-12-7	Anthracene			not detected	0.19	ug/L	2000
84-74-2	Di-n-butylphthalate			not detected	0.23	ug/L	900
206-44-0	Fluoranthene			not detected	0.41	ug/L	300
92-87-5	Benzidine			not detected	1.45	ug/L	50
129-00-0	Pyrene			not detected	0.32	ug/L	200
85-68-7	Butylbenzylphthalate			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 **bn0144.d**
Operator **Paul Skelton**
Date Acquired **05/21/97 02:14**

Sample Name **2494.06**
Field ID **Bldg 2044 MW34**
Sample Multiplier **1**

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Ext. Blank

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2494 Location CW-6 SDG No.: _____

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

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0139.D

Level: (low/med) LOW Date Received: 04/30/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 05/20/97

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

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

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	7.96	62	J
2.	unknown hydrocarbon	27.20	26	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2494 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2494.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0140.D

Level: (low/med) LOW Date Received: 04/30/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 05/20/97

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. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.27	110	JN
2. 000000-00-0	(E)-3-Chloro-2-methyl-2-pentenal	7.98	61	JN
3. 000301-02-0	9-Octadecenamide, (Z)-	24.03	13	JN
4. 000301-02-0	9-Octadecenamide, (Z)-	27.21	44	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW1

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2494 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2494.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0143.D

Level: (low/med) LOW Date Received: 04/30/97

% 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: 5 (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	5.24	15	JN
2. 000000-00-0	(E)-3-Chloro-2-methyl-2-pentenal	7.97	55	JN
3. 000057-10-3	Hexadecanoic acid	20.45	10	JN
4. 001120-07-6	Nonanamide	22.48	13	JN
5. 000301-02-0	9-Octadecenamide, (Z)-	27.22	94	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW2

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2494 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2494.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0141.D

Level: (low/med) LOW Date Received: 04/30/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 05/20/97

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-55-6	Propylene Glycol	3.28	9	JN
2. 000057-10-3	Hexadecanoic acid	20.47	20	JN
3. 000057-11-4	Octadecanoic acid	22.31	11	JN
4. 001120-07-6	Nonanamide	22.49	34	JN
5. 000112-92-5	1-Octadecanol	23.40	26	JN
6. 000301-02-0	9-Octadecenamide, (Z)-	24.07	54	JN
7. 000124-26-5	Octadecanamide	24.25	16	JN
8. 001241-94-7	Octicizer	24.65	11	JN
9. 000112-92-5	1-Octadecanol	25.05	12	JN
10. 000603-11-2	1,2-Benzenedicarboxylic acid, 3-n	25.38	23	JN
11. 000301-02-0	9-Octadecenamide, (Z)-	25.70	15	JN
12. 000629-50-5	Tridecane	26.60	9	JN
13. 000629-54-9	Hexadecanamide	27.24	150	JN
14. 000629-92-5	Nonadecane	27.31	11	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW3

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2494 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2494.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0142.D

Level: (low/med) LOW Date Received: 04/30/97

% 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: 4 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	5.24	17	JN
2. 000000-00-0	(E)-3-Chloro-2-methyl-2-pentenal	7.97	59	JN
3. 001120-07-6	Nonanamide	24.03	14	JN
4. 000301-02-0	9-Octadecenamide, (Z)-	27.21	40	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW34

Lab Name: FMETL Lab Code 13461

Project Case No.: 2494 Location B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2494.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0144.D

Level: (low/med) LOW Date Received: 04/30/97

% 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: 4 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	5.24	14	JN
2. 000000-00-0	(E)-3-Chloro-2-methyl-2-pentenal	7.97	53	JN
3. 000301-02-0	9-Octadecenamide, (Z)-	24.04	13	JN
4. 000301-02-0	9-Octadecenamide, (Z)-	27.21	46	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:**	5/5/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/7/97
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 # :**	2494.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	4/30/97
	Bldg. 173	**Extraction Date:**	5/5/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/8/97
Analysis:	EPA Method 608	**Location :**	Bldg. 2044
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 # :**	2494.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	4/30/97
	Bldg. 173	**Extraction Date:**	5/5/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/8/97
Analysis:	EPA Method 608	**Location :**	Bldg. 2044
Matrix:	Aqueous		Ft. Monmouth
Analyst:	D. Wright	**Field ID:**	MW-1
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	29.41	0.20	0.0024	**0.029**
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	32.63	0.10	0.0066	**0.026**
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	30.44	0.50	0.0140	**0.057**
Gamma-chlordane	1	30.27	0.50	0.0140	**0.038**
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 # :**	2494.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	4/30/97
	Bldg. 173	**Extraction Date:**	5/5/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/8/97

Analysis:	EPA Method 608	**Location :**	Bldg. 2044
Matrix:	Aqueous		Ft. Monmouth
Analyst:	D. Wright	**Field ID:**	MW-2
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 # :**	2494.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	4/30/97
	Bldg. 173	**Extraction Date:**	5/5/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/8/97

Analysis:	EPA Method 608	**Location :**	Bldg. 2044
Matrix:	Aqueous		Ft. Monmouth
Analyst:	D. Wright	**Field ID:**	MW-3
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 # :**	2494.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	4/30/97
	Bldg. 173	**Extraction Date:**	5/5/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/8/97

Analysis:	EPA Method 608	**Location :**	Bldg. 2044
Matrix:	Aqueous		Ft. Monmouth
Analyst:	D. Wright	**Field ID:**	MW-34
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: Bldg. 2044
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	5/1/97	0.8	0.3	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	5/21/97	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 #: 2494.02
Sample Received: 4/30/97
Sample Matrix: Aqueous

Site: Bldg. 2044
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	33.9	0.1	200
Antimony	5/28/97	ND	0.5	20
Arsenic	5/21/97	ND	1.0	8
Barium	7/30/97	1.6	0.5	2000
Beryllium	7/9/97	ND	0.06	20
Cadmium	5/28/97	ND	2.0	4
Calcium	7/30/97	130.0	30.0	NA
Chromium	7/23/97	ND	0.4	100
Cobalt	5/1/97	0.9	0.3	NA
Copper	7/7/97	12.0	3.0	1000
Iron	5/13/97	130.0	10.0	300
Lead	5/27/97	0.5	0.5	10
Magnesium	7/7/97	50.0	50.0	NA
Manganese	7/9/97	ND	5.0	50
Mercury	5/21/97	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	15.0	3.0	20
Sodium	7/8/97	ND	10.0	50000
Thallium	5/22/97	1.0	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 #: 2494.05
Sample Received: 4/30/97
Sample Matrix: Aqueous

Site: Bldg. 2044
Ft. Monmouth, New Jersey

Field ID#: MW-1

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	7/29/97	291.7	0.1	200
Antimony	5/28/97	0.6	0.5	20
Arsenic	5/21/97	2.0	1.0	8
Barium	7/30/97	8.2	0.5	2000
Beryllium	7/9/97	0.10	0.06	20
Cadmium	5/28/97	ND	2.0	4
Calcium	7/30/97	30600.0	30.0	NA
Chromium	7/23/97	5.4	0.4	100
Cobalt	5/1/97	2.0	0.3	NA
Copper	7/7/97	61.0	3.0	1000
Iron	5/13/97	1880.0	10.0	300
Lead	5/27/97	2.0	0.5	10
Magnesium	7/7/97	7690.0	50.0	NA
Manganese	7/9/97	258.0	5.0	50
Mercury	5/21/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	840.0	40.0	NA
Selenium	5/21/97	2.0	1.0	50
Silver	5/7/97	21.0*	3.0	20
Sodium	7/8/97	24110.0	10.0	50000
Thallium	5/22/97	ND	1.0	10
Vanadium	8/4/97	7.7	1.0	NA
Zinc	7/7/97	130.0	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 #: 2494.03
Sample Received: 4/30/97
Sample Matrix: Aqueous

Site: Bldg. 2044
Ft. Monmouth, New Jersey

Field ID#: MW-2

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	7/29/97	258.0	0.1	200
Antimony	5/28/97	5.0	0.5	20
Arsenic	5/21/97	22.0	1.0	8
Barium	7/30/97	729.3	0.5	2000
Beryllium	7/9/97	11.77	0.06	20
Cadmium	5/28/97	ND	2.0	4
Calcium	7/30/97	14240.0	30.0	NA
Chromium	7/23/97	2.6	0.4	100
Cobalt	5/1/97	12.3	0.3	NA
Copper	7/7/97	39.0	3.0	1000
Iron	5/13/97	76540.0	10.0	300
Lead	5/27/97	70.4	0.5	10
Magnesium	7/7/97	29580.0	50.0	NA
Manganese	7/9/97	12.0	5.0	50
Mercury	5/21/97	ND	0.2	2
Nickel	7/7/97	30.0	10.0	100
Potassium	7/8/97	5190.0	40.0	NA
Selenium	5/21/97	7.0	1.0	50
Silver	5/7/97	89.0*	3.0	20
Sodium	7/8/97	104500.0	10.0	50000
Thallium	5/22/97	2.0	1.0	10
Vanadium	8/4/97	34.7	1.0	NA
Zinc	7/7/97	301.0	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 #: 2494.04
Sample Received: 4/30/97
Sample Matrix: Aqueous

Site: Bldg. 2044
Ft. Monmouth, New Jersey

Field ID#: MW-3

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	7/29/97	124.1	0.1	200
Antimony	5/28/97	0.5	0.5	20
Arsenic	5/21/97	1.0	1.0	8
Barium	7/30/97	20.2	0.5	2000
Beryllium	7/9/97	0.16	0.06	20
Cadmium	5/28/97	ND	2.0	4
Calcium	7/30/97	8960.0	30.0	NA
Chromium	7/23/97	0.8	0.4	100
Cobalt	5/1/97	2.6	0.3	NA
Copper	7/7/97	12.0	3.0	1000
Iron	5/13/97	595.0	10.0	300
Lead	5/27/97	0.8	0.5	10
Magnesium	7/7/97	1990.0	50.0	NA
Manganese	7/9/97	17.0	5.0	50
Mercury	5/21/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	360.0	40.0	NA
Selenium	5/21/97	ND	1.0	50
Silver	5/7/97	19.0	3.0	20
Sodium	7/8/97	11370.0	10.0	50000
Thallium	5/22/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	40.0	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 #: 2494.06
Sample Received: 4/30/97
Sample Matrix: Aqueous

Site: Bldg. 2044
Ft. Monmouth, New Jersey

Field ID#: MW-34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	7/29/97	48.0	0.1	200
Antimony	5/28/97	ND	0.5	20
Arsenic	5/21/97	2.0	1.0	8
Barium	7/30/97	17.5	0.5	2000
Beryllium	7/9/97	0.17	0.06	20
Cadmium	5/28/97	ND	2.0	4
Calcium	7/30/97	17840.0	30.0	NA
Chromium	7/23/97	5.7	0.4	100
Cobalt	5/1/97	2.6	0.3	NA
Copper	7/7/97	15.0	3.0	1000
Iron	5/13/97	2110.0	10.0	300
Lead	5/27/97	0.5	0.5	10
Magnesium	7/7/97	3930.0	50.0	NA
Manganese	7/9/97	54.0	5.0	50
Mercury	5/21/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	4420.0	40.0	NA
Selenium	5/21/97	ND	1.0	50
Silver	5/7/97	18.0	3.0	20
Sodium	7/8/97	15510.0	10.0	50000
Thallium	5/22/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	67.0	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 #: 2494.07
Sample Received: 4/30/97
Sample Matrix: Aqueous

Site: Bldg. 2044
Ft. Monmouth, New Jersey

Field ID#: Field Dup.

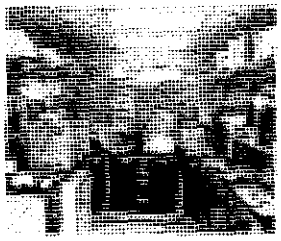
TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	7/29/97	18.2	0.1	200
Antimony	5/28/97	ND	0.5	20
Arsenic	5/21/97	4.0	1.0	8
Barium	7/30/97	18.8	0.5	2000
Beryllium	7/9/97	0.12	0.06	20
Cadmium	5/28/97	ND	2.0	4
Calcium	7/30/97	16700.0	30.0	NA
Chromium	7/23/97	5.8	0.4	100
Cobalt	5/1/97	2.1	0.3	NA
Copper	7/7/97	14.0	3.0	1000
Iron	5/13/97	2190.0	10.0	300
Lead	5/27/97	ND	0.5	10
Magnesium	7/7/97	3900.0	50.0	NA
Manganese	7/9/97	66.0	5.0	50
Mercury	5/21/97	ND	0.2	2
Nickel	7/7/97	ND	10.0	100
Potassium	7/8/97	4400.0	40.0	NA
Selenium	5/21/97	1.0	1.0	50
Silver	5/7/97	20.0	3.0	20
Sodium	7/8/97	15650.0	10.0	50000
Thallium	5/22/97	ND	1.0	10
Vanadium	8/4/97	ND	1.0	NA
Zinc	7/7/97	70.0	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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
2947.03	MW-01	29-30970	09/02/97
2943.04	MW-02	29-30971	08/29/97
2943.03	MW-03	29-30972	08/29/97
2947.04	MW-34	29-32599	09/02/97

NJDEP Laboratory Certification # 13461

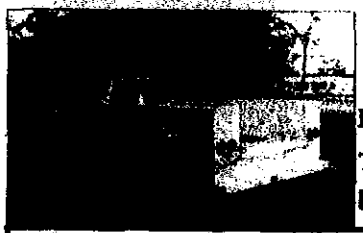
Report Date: 2 December, 1997

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 #: X26223
(X)DERA ( )OMA ( )Other:
Project No:
Location: Bldg 2044
Samplers Name / Company: Raymond Pogwist / TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA + 15	TCL BNA + 25	TCL Pest / PCB	TAL Metal	Comments: Remarks / Preservation Method
2943 01	Trip Blank	8/24/97	0800	AQ	2	X				(VOA - HCl) (Metals - HNO_3)
02	Field Blank		1030		5	X	X	X	X	
03	Bldg 2044 MW3		1140		9	X	X	X	X	#2930972 2 Additional BNA + Pest - ac
04	Bldg 2044 MW2		1120		5	X	X	X	X	#2930971 ~~2 Additional Bna + Pest - ac~~
05	Field Dup		—		5	X	X	X	X	

All Samples kept < 4°C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	8/27/97 1305	[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.xls7/11/97



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: Bldg 44

Samplers Name / Company: Ray Pogwist / TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA TS	TAL Metals	TCL BNA TAL	TCL Pest PCB				
2947 1	Trip Blank	9/2/97	0800	Aq	2	X							
2	Field Blank		1000		5	X	X	X	X				
3	Bldg 2044 MW1		1100			X	X	X	X				
4	Bldg 2044 MW34		1145			X	X	X	X				
5	Field Dup		—			X	X	X	X				

Analysis Parameters

Comments:
All Samples Kept c 4°C

Remarks / Preservation Method
VOA-HCl
Metals HNO3
#2930970
#2932549

DTW Bldg 44
MW3 6.55
MW1 5.55
MW36 6.50
MW35 4.90

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature)	Date/Time	Received by (signature)
[signature]	9/2/97 1155	[signature] 9/2/97 1310			
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: ( )Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

print legibly

Custody xls7/10/97

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG 2044
MW# 1
NJDEP ID# 2930970
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE 9/2/97 WEATHER FOG, HUMID, 70'S

ELEVATION OF CASING SURVEY MARK
DTW 4.80
DEPTH OF WELL 17.89
HEIGHT OF WATER 13.09
13.09 X 0.65 X ____3____ = 25.5255
GAL OF H2O TO BE EVACUATED 25.53 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) __PERISTALIC___
PURGE RATE 0.3 GPM
Hnu PPM COULD NOT USE - WEATHER

PURGE START TIME 9:30
pH 7.73 TEMP 19.6 DEG °C
DISSOLVED O2 3.7 PPM SPECIFIC CONDUCTIVITY 180 us/cm

PURGE END TIME 10:56
pH 7.68 TEMP 19.7 DEG °C
DISSOLVED O2 1.6 PPM SPECIFIC CONDUCTIVITY 170 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 4.90 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED 25.8 GAL

pH 7.67 TEMP 19.7 DEG °C
DISSOLVED O2 1.4 PPM SPECIFIC CONDUCTIVITY 170 us/cm

COMMENTS:_____
_____
_____

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG 2044
MW# 2
NJDEP ID# 2930971
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE 8/29/97 WEATHER SUNNY HUMID 70'S

ELEVATION OF CASING SURVEY MARK
DTW 5.80
DEPTH OF WELL 16.80
HEIGHT OF WATER 11.00
11.00 X 0.65 X ____3____ = 21.45
GAL OF H2O TO BE EVACUATED 21.45 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) __PERISTALIC___
PURGE RATE 0.3 GPM
Hnu PPM COULD NOT USE - WEATHER

PURGE START TIME 10:00
pH 7.33 TEMP 18.7 DEG °C
DISSOLVED O2 1.8 PPM SPECIFIC CONDUCTIVITY 220 us/cm

PURGE END TIME 11:11
pH 6.70 TEMP 18.4 DEG °C
DISSOLVED O2 3.6 PPM SPECIFIC CONDUCTIVITY 180 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 5.90 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED 21.6 GAL

pH 6.71 TEMP 18.3 DEG °C
DISSOLVED O2 3.8 PPM SPECIFIC CONDUCTIVITY 170 us/cm

COMMENTS:_____
_____
_____

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG 2044
MW# 3
NJDEP ID# 2930972
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE 8/29/97 WEATHER SUNNY HUMID 70'S

ELEVATION OF CASING SURVEY MARK
DTW 6.50
DEPTH OF WELL 17.78
HEIGHT OF WATER 11.28
11.28 X 0.65 X ___3___ = 21.996
GAL OF H2O TO BE EVACUATED 21.996 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) PERISTALIC
PURGE RATE 0.2 GPM
Hnu PPM COULD NOT USE - WEATHER

PURGE START TIME 9:45
pH 5.55 TEMP 19.4 DEG °C
DISSOLVED O2 3.3 PPM SPECIFIC CONDUCTIVITY 10 us/cm

PURGE END TIME 11:35
pH 6.51 TEMP 19.8 DEG °C
DISSOLVED O2 4.2 PPM SPECIFIC CONDUCTIVITY 40 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 6.60 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED 22.0 GAL

pH 6.60 TEMP 19.9 DEG °C
DISSOLVED O2 4.0 PPM SPECIFIC CONDUCTIVITY 50 us/cm

COMMENTS:_____
_____
_____

U.S. ARMY FORT MOMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG 2044
MW# 34
NJDEP ID# 2932599
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER RAY POGWIST

DATE 9/2/97 WEATHER FOG, HUMID, 70'S

ELEVATION OF CASING SURVEY MARK
DTW 4.90
DEPTH OF WELL 16.90
HEIGHT OF WATER 12.00
12.00 X 0.65 X ___3___ = 23.4
GAL OF H2O TO BE EVACUATED 23.4 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) PERISTALIC
PURGE RATE 0.2 GPM
Hnu PPM - COULD NOT USE - WEATHER

PURGE START TIME 9:45
pH 7.81 TEMP 20.3 DEG °C
DISSOLVED O2 4.7 PPM SPECIFIC CONDUCTIVITY 140 us/cm

PURGE END TIME 11:42
pH 7.70 TEMP 18.9 DEG °C
DISSOLVED O2 2.9 PPM SPECIFIC CONDUCTIVITY 130 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 5.15 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED 23.4 GAL

pH 7.63 TEMP 18.9 DEG °C
DISSOLVED O2 2.8 PPM SPECIFIC CONDUCTIVITY 130 us/cm

COMMENTS: DTW: MW#3 = 6.55', MW#2 = 5.85'
MW#35 = 4.90', MW#36 = 6.50'

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 **v01811.d**
Operator **Skelton**
Date Acquired **09/ 2/19 -1:9:**

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	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

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

Data File Name **v01852.d**
Operator **Skelton**
Date Acquired **09/ 8/19 -1:0:**

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

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

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

Data File Name **v01816.d**
Operator **Skelton**
Date Acquired **09/ 2/19 -1:3:**

Sample Name **2943.01**
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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NJDEP Certification #13461

Data File Name **v01853.d**
Operator **Skelton**
Date Acquired **09/ 8/19 -1:1:**

Sample Name **2947.01**
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 **v01817.d**
Operator **Skelton**
Date Acquired **09/ 2/19 -1:4:**

Sample Name **2943.02**
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 **v01854.d**
Operator **Skelton**
Date Acquired **09/ 8/19 -1:2:**

Sample Name **2947.02**
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 **v01861.d**
Operator **Skelton**
Date Acquired **09/ 8/19 -1:8:**

Sample Name **2947.03**
Field ID **Bldg 2044 MW1**
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	**V01819.d**	Sample Name	**2943.04**
Operator	**Skelton**	Field ID	**MW2**
Date Acquired	**9/2/97**	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	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

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Data File Name **v01818.d**
Operator **Skelton**
Date Acquired **09/ 2/19 -1:5:**

Sample Name **2943.03**
Field ID **Bldg 2044 MW3**
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	**V01862.d**	Sample Name	**2947.04**
Operator	**Skelton**	Field ID	**MW34**
Date Acquired	**9/8/97**	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	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

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

Data File Name **v01820.d**
Operator **Skelton**
Date Acquired **09/ 2/19 -1:7:**

Sample Name **2943.05**
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

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

Data File Name **V01863.D**
Operator **Skelton**
Date Acquired **09/ 8/19 -1:9:**

Sample Name **2947.05**
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 FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Daily Blank

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2943 Location B.2044 SDG No.:

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

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01811.D

Level: (low/med) LOW Date Received: 08/29/97

% Moisture: not dec. Date Analyzed: 09/02/97

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Daily Blank

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2947 Location B.2044 SDG No.:

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

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01852.D

Level: (low/med) LOW Date Received: 09/02/97

% Moisture: not dec. Date Analyzed: 09/08/97

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Trip Blank

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2943 Location B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2943.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01816.D

Level: (low/med) LOW Date Received: 08/29/97

% Moisture: not dec. Date Analyzed: 09/02/97

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.: 2947 Location B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2947.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01853.D

Level: (low/med) LOW Date Received: 09/02/97

% Moisture: not dec. Date Analyzed: 09/08/97

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2943 Location B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2943.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01817.D

Level: (low/med) LOW Date Received: 08/29/97

% Moisture: not dec. Date Analyzed: 09/02/97

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2947 Location B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2947.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01854.D

Level: (low/med) LOW Date Received: 09/02/97

% Moisture: not dec. Date Analyzed: 09/08/97

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW1

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2947 Location B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2947.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01861.D

Level: (low/med) LOW Date Received: 09/02/97

% Moisture: not dec. Date Analyzed: 09/08/97

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	13.88	10	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW2**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2943 Location B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2943.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01819.D

Level: (low/med) LOW Date Received: 08/29/97

% Moisture: not dec. Date Analyzed: 09/02/97

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW3

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2943 Location B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2943.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01818.D

Level: (low/med) LOW Date Received: 08/29/97

% Moisture: not dec. Date Analyzed: 09/02/97

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	13.79	25	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW34**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2947 Location B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2947.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01862.D

Level: (low/med) LOW Date Received: 09/02/97

% Moisture: not dec. Date Analyzed: 09/08/97

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	13.88	14	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Dup

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2943 Location B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2943.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01820.D

Level: (low/med) LOW Date Received: 08/29/97

% Moisture: not dec. Date Analyzed: 09/02/97

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	13.83	17	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Dup

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 2947 Location B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2947.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V01863.D

Level: (low/med) LOW Date Received: 09/02/97

% Moisture: not dec. Date Analyzed: 09/08/97

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

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	**bn0497.d**	Sample Name	**Ext Blank 09/02/97**
Operator	**Skelton**	Field ID	**Ext Blank 09/02/97**
Date Acquired	**09/ 4/97 13:14**	Sample Multiplier	**1**

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

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate			not detected	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			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	**BN0512.D**	Sample Name	**Ext Blank**
Operator	**Skelton**	Field ID	**09/09/97**
Date Acquired	**09/10/19 -1:2:**	Sample Multiplier	**1**

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

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate			not detected	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			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	27.09	44513	1.19 ug/L	0.37 ug/L	10
207-08-9	Benzo[k]fluoranthene	27.14	49394	1.37 ug/L	0.32 ug/L	2
50-32-8	Benzo[a]pyrene	27.73	39850	1.42 ug/L	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	29.95	21106	1.06 ug/L	0.28 ug/L	20
191-24-2	Benzo[g,h,i]perylene	30.39	21053	1.31 ug/L	0.40 ug/L	

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Data File Name	**bn0500.d**	Sample Name	**2943.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**09/ 4/97 15:43**	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			not detected	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			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	25.33	58223	1.11 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	

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Data File Name	**bn0513.d**	Sample Name	**2947.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**09/10/97 15:13**	Sample Multiplier	**1**

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

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate			not detected	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			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	25.33	71055	1.32 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	

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Data File Name	bn0514.d	Sample Name	2947.03
Operator	Skelton	Field ID	Bldg 2044 MW1
Date Acquired	09/10/97 16:01	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			not detected	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			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	bn0502.d	Sample Name	2943.04
Operator	Skelton	Field ID	Bldg 2044 MW2
Date Acquired	09/ 4/97 17:24	Sample Multiplier	1

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

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate			not detected	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			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	**bn0501.d**	Sample Name	**2943.03**
Operator	**Skelton**	Field ID	**Bldg 2044 MW3**
Date Acquired	**09/ 4/97 16:34**	Sample Multiplier	**1**

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

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate			not detected	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			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	bn0515.d	Sample Name	2947.04
Operator	Skelton	Field ID	Bldg 2044 MW34
Date Acquired	09/10/97 16:50	Sample Multiplier	1

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

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate			not detected	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			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	**bn0503.d**	Sample Name	**2943.05**
Operator	**Skelton**	Field ID	**Field Dup**
Date Acquired	**09/ 4/97 18:14**	Sample Multiplier	**1**

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

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate			not detected	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			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	**BN0516.D**	Sample Name	**2947.05**
Operator	**Skelton**	Field ID	**Field Dup**
Date Acquired	**09/10/97 17:38**	Sample Multiplier	**1**

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

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate			not detected	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47 ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22 ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46 ug/L	60
218-01-9	Chrysene			not detected	0.20 ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	0.51 ug/L	30
117-84-0	Di-n-octylphthalate			not detected	0.82 ug/L	100
205-99-2	Benzo[b]fluoranthene			not detected	0.37 ug/L	10
207-08-9	Benzo[k]fluoranthene			not detected	0.32 ug/L	2
50-32-8	Benzo[a]pyrene			not detected	0.31 ug/L	20
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	0.79 ug/L	20
53-70-3	Dibenz[a,h]anthracene			not detected	0.28 ug/L	20
191-24-2	Benzo[g,h,i]perylene			not detected	0.40 ug/L	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2943 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: Ext Blank 09/02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0497.D

Level: (low/med) LOW Date Received: 08/29/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 09/04/97

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK02

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2947 Location B.2044 SDG No.: _____

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

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0512.D

Level: (low/med) LOW Date Received: 09/02/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 09/10/97

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

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

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	27.01	16	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2943 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2943.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0500.D

Level: (low/med) LOW Date Received: 08/29/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 09/04/97

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	23.85	9	J
2.	unknown hydrocarbon	27.01	22	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2947 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2947.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0513.D

Level: (low/med) LOW Date Received: 09/02/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 09/10/97

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	23.85	10	J
2.	unknown hydrocarbon	27.01	22	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW1

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2947 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2947.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0514.D

Level: (low/med) LOW Date Received: 09/02/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 09/10/97

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

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

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	27.01	14	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW2

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2943 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2943.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0502.D

Level: (low/med) LOW Date Received: 08/29/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 09/04/97

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

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	23.85	18	J
2. 001454-84-8	1-Nonadecanol	24.87	10	JN
3.	unknown hydrocarbon	27.02	51	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW3

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2943 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2943.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0501.D

Level: (low/med) LOW Date Received: 08/29/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 09/04/97

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

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

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	27.01	21	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW34

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2947 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2947.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0515.D

Level: (low/med) LOW Date Received: 09/02/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 09/10/97

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

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

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	27.01	16	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Dup

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2943 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2943.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0503.D

Level: (low/med) LOW Date Received: 08/29/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 09/04/97

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

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

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	27.01	16	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Dup

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 2947 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2947.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0516.D

Level: (low/med) LOW Date Received: 09/02/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 09/10/97

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

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-10-3	Hexadecanoic acid	20.28	8	JN
2.	unknown hydrocarbon	23.85	11	J
3.	unknown hydrocarbon	27.01	30	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:**	9/2/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/8/97
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 # :**	2943.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/29/97
	Bldg. 173	**Extraction Date:**	9/2/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/8/97
Analysis:	EPA Method 608	**Location :**	Bldg. 2044
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 # :**	2947.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/2/97
	Bldg. 173	**Extraction Date:**	9/2/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/8/97
Analysis:	EPA Method 608	**Location :**	Bldg. 2044
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 # :**	2947.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/2/97
	Bldg. 173	**Extraction Date:**	9/2/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/8/97
Analysis:	EPA Method 608	**Location :**	Bldg. 2044
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-1
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	29.34	0.20	0.0024	**0.035**
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	32.57	0.10	0.0066	**0.027**
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	30.37	0.50	0.0140	**0.096**
Gamma-chlordane	1	30.20	0.50	0.0140	**0.054**
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 # :**	2943.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/29/97
	Bldg. 173	**Extraction Date:**	9/2/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	NA
Analysis:	EPA Method 608	**Location :**	Bldg. 2044
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-2
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	*
beta-BHC	1		0.20	0.0026	*
gamma-BHC	1		0.20	0.0026	*
delta-BHC	1		NA	0.0029	*
Heptachlor	1		0.40	0.0027	*
Aldrin	1		0.04	0.0028	*
Heptachlor Epoxide	1		0.20	0.0024	*
Endosulfan I	1		0.40	0.0024	*
4,4'-DDE	1		0.10	0.0034	*
Dieldrin	1		0.03	0.0019	*
Endrin	1		2.00	0.0030	*
Endrin Ketone	1		NA	0.0100	*
Endosulfan II	1		0.40	0.0027	*
4,4'-DDD	1		0.10	0.0066	*
4,4'-DDT	1		0.10	0.0015	*
Endosulfan-Sulfate	1		0.40	0.0010	*
Methoxychlor	1		NA	0.0100	*
Alpha-chlordane	1		0.50	0.0140	*
Gamma-chlordane	1		0.50	0.0140	*
Toxaphene	1		3.00	0.0182	*
Arochlor 1016	1		0.50	0.0640	*
Arochlor 1221	1		0.50	0.0500	*
Arochlor 1232	1		0.50	0.0500	*
Arochlor 1242	1		0.50	0.0280	*
Arochlor 1248	1		0.50	0.0500	*
Arochlor 1254	1		0.50	0.0500	*
Arochlor 1260	1		0.50	0.0680	*

ND = Not Detected
MDL = Method Detection Limit
NA = Not Applicable
* = Data not Available

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 #:**	2943.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/29/97
	Bldg. 173	**Extraction Date:**	9/2/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/8/97
Analysis:	EPA Method 608	**Location:**	Bldg. 2044
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-3
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 #:**	2947.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/2/97
	Bldg. 173	**Extraction Date:**	9/2/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/8/97
Analysis:	EPA Method 608	**Location:**	Bldg. 2044
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-34
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 # :**	2943.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/29/97
	Bldg. 173	**Extraction Date:**	9/2/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	NA
Analysis:	EPA Method 608	**Location :**	Bldg. 2044
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	*
beta-BHC	1		0.20	0.0026	*
gamma-BHC	1		0.20	0.0026	*
delta-BHC	1		NA	0.0029	*
Heptachlor	1		0.40	0.0027	*
Aldrin	1		0.04	0.0028	*
Heptachlor Epoxide	1		0.20	0.0024	*
Endosulfan I	1		0.40	0.0024	*
4,4'-DDE	1		0.10	0.0034	*
Dieldrin	1		0.03	0.0019	*
Endrin	1		2.00	0.0030	*
Endrin Ketone	1		NA	0.0100	*
Endosulfan II	1		0.40	0.0027	*
4,4'-DDD	1		0.10	0.0066	*
4,4'-DDT	1		0.10	0.0015	*
Endosulfan-Sulfate	1		0.40	0.0010	*
Methoxychlor	1		NA	0.0100	*
Alpha-chlordane	1		0.50	0.0140	*
Gamma-chlordane	1		0.50	0.0140	*
Toxaphene	1		3.00	0.0182	*
Arochlor 1016	1		0.50	0.0640	*
Arochlor 1221	1		0.50	0.0500	*
Arochlor 1232	1		0.50	0.0500	*
Arochlor 1242	1		0.50	0.0280	*
Arochlor 1248	1		0.50	0.0500	*
Arochlor 1254	1		0.50	0.0500	*
Arochlor 1260	1		0.50	0.0680	*

ND = Not Detected
MDL = Method Detection Limit
NA = Not Applicable
* = Data not Available

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 # :**	2947.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/2/97
	Bldg. 173	**Extraction Date:**	9/2/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/8/97
Analysis:	EPA Method 608	**Location :**	Bldg. 2044
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	29.35	0.20	0.0024	**0.031**
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	32.57	0.10	0.0066	**0.026**
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	30.37	0.50	0.0140	**0.086**
Gamma-chlordane	1	30.20	0.50	0.0140	**0.038**
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: Bldg. 2044
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	12/01/97	ND	0.5	200
Antimony	11/19/97	ND	0.5	20
Arsenic	09/09/97	ND	1.0	8
Barium	12/02/97	ND	30.0	2000
Beryllium	12/02/97	ND	0.06	20
Cadmium	10/24/97	ND	2.0	4
Calcium	11/20/97	ND	30.0	NA
Chromium	12/01/97	21.0	7.0	100
Cobalt	10/24/97	ND	20.0	NA
Copper	11/20/97	ND	3.0	1000
Iron	11/20/97	ND	10.0	300
Lead	09/08/97	ND	0.5	10
Manganese	11/20/97	6.0	5.0	50
Magnesium	11/20/97	ND	50.0	NA
Mercury	09/16/97	ND	0.2	2
Nickel	11/21/97	ND	10.0	100
Potassium	11/20/97	ND	40.0	NA
Selenium	12/09/97	ND	3.0	50
Silver	09/10/97	ND	3.0	20
Sodium	11/20/97	ND	10.0	50000
Thallium	11/20/97	ND	1.0	10
Vanadium	12/02/97	200.0	200.0	NA
Zinc	11/21/97	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 #: Method Blank
Sample Received: NA
Sample Matrix: Aqueous

Site: Bldg. 2044
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	12/01/97	ND	0.5	200
Antimony	11/19/97	ND	0.5	20
Arsenic	09/09/97	ND	1.0	8
Barium	12/02/97	ND	30.0	2000
Beryllium	12/02/97	ND	0.06	20
Cadmium	10/24/97	ND	2.0	4
Calcium	11/20/97	ND	30.0	NA
Chromium	12/01/97	21.0	7.0	100
Cobalt	10/24/97	ND	20.0	NA
Copper	11/20/97	ND	3.0	1000
Iron	11/20/97	ND	10.0	300
Lead	09/08/97	ND	0.5	10
Manganese	11/20/97	6.0	5.0	50
Magnesium	11/20/97	ND	50.0	NA
Mercury	09/16/97	ND	0.2	2
Nickel	11/21/97	ND	10.0	100
Potassium	11/20/97	ND	40.0	NA
Selenium	12/09/97	ND	3.0	50
Silver	09/10/97	ND	3.0	20
Sodium	11/20/97	ND	10.0	50000
Thallium	11/20/97	ND	1.0	10
Vanadium	12/02/97	200.0	200.0	NA
Zinc	11/21/97	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 #: 2943.02
Sample Received: 8/29/97
Sample Matrix: Aqueous

Site: Bldg. 2044
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	12/01/97	34.4	0.5	200
Antimony	11/19/97	ND	0.5	20
Arsenic	09/09/97	ND	1.0	8
Barium	12/02/97	ND	30.0	2000
Beryllium	12/02/97	ND	0.06	20
Cadmium	10/24/97	2.0	2.0	4
Calcium	11/20/97	50.0	30.0	NA
Chromium	12/01/97	26.0	7.0	100
Cobalt	10/24/97	ND	20.0	NA
Copper	11/20/97	ND	3.0	1000
Iron	11/20/97	50.0	10.0	300
Lead	09/08/97	ND	0.5	10
Manganese	11/20/97	ND	5.0	50
Magnesium	11/20/97	ND	50.0	NA
Mercury	09/16/97	ND	0.2	2
Nickel	11/21/97	ND	10.0	100
Potassium	11/20/97	50.0	40.0	NA
Selenium	12/09/97	ND	3.0	50
Silver	09/10/97	ND	3.0	20
Sodium	11/20/97	300.0	10.0	50000
Thallium	11/20/97	ND	1.0	10
Vanadium	12/02/97	ND	200.0	NA
Zinc	11/21/97	24.0	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 #: 2947.02
Sample Received: 9/2/97
Sample Matrix: Aqueous

Site: Bldg. 2044
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	12/01/97	104.6	0.5	200
Antimony	11/19/97	ND	0.5	20
Arsenic	09/09/97	ND	1.0	8
Barium	12/02/97	ND	30.0	2000
Beryllium	12/02/97	ND	0.06	20
Cadmium	10/24/97	ND	2.0	4
Calcium	11/20/97	60.0	30.0	NA
Chromium	12/01/97	71.0	7.0	100
Cobalt	10/24/97	ND	20.0	NA
Copper	11/20/97	3.0	3.0	1000
Iron	11/20/97	120.0	10.0	300
Lead	09/08/97	ND	0.5	10
Manganese	11/20/97	ND	5.0	50
Magnesium	11/20/97	ND	50.0	NA
Mercury	09/16/97	ND	0.2	2
Nickel	11/21/97	20.0	10.0	100
Potassium	11/20/97	80.0	40.0	NA
Selenium	12/09/97	ND	3.0	50
Silver	09/10/97	6.0	3.0	20
Sodium	11/20/97	300.0	10.0	50000
Thallium	11/20/97	ND	1.0	10
Vanadium	12/02/97	300.0	200.0	NA
Zinc	11/21/97	22.0	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 #: 2947.03
Sample Received: 9/2/97
Sample Matrix: Aqueous

Site: Bldg. 2044
Ft. Monmouth, New Jersey

Field ID#: MW-1

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	12/01/97	361.8	0.5	200
Antimony	11/19/97	1.7	0.5	20
Arsenic	09/09/97	4.0	1.0	8
Barium	12/02/97	ND	30.0	2000
Beryllium	12/02/97	ND	0.06	20
Cadmium	10/24/97	ND	2.0	4
Calcium	11/20/97	21020.0	30.0	NA
Chromium	12/01/97	53.0	7.0	100
Cobalt	10/24/97	ND	20.0	NA
Copper	11/20/97	30.0	3.0	1000
Iron	11/20/97	790.0	10.0	300
Lead	09/08/97	2.3	0.5	10
Manganese	11/20/97	126.0	5.0	50
Magnesium	11/20/97	5050.0	50.0	NA
Mercury	09/16/97	ND	0.2	2
Nickel	11/21/97	ND	10.0	100
Potassium	11/20/97	1400.0	40.0	NA
Selenium	12/09/97	ND	3.0	50
Silver	09/10/97	6.0	3.0	20
Sodium	11/20/97	23730.0	10.0	50000
Thallium	11/20/97	ND	1.0	10
Vanadium	12/02/97	ND	200.0	NA
Zinc	11/21/97	17.0	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 #: 2943.04
Sample Received: 8/29/97
Sample Matrix: Aqueous

Site: Bldg. 2044
Ft. Monmouth, New Jersey

Field ID#: MW-2

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	12/02/97	2600.0	0.5	200
Antimony	11/19/97	ND	0.5	20
Arsenic	09/09/97	6.0	1.0	8
Barium	12/02/97	290.0	30.0	2000
Beryllium	12/02/97	5.45	0.06	20
Cadmium	10/24/97	4.0	2.0	4
Calcium	11/20/97	16970.0	30.0	NA
Chromium	12/01/97	43.0	7.0	100
Cobalt	10/24/97	ND	20.0	NA
Copper	11/20/97	14.0	3.0	1000
Iron	11/20/97	7140.0	10.0	300
Lead	09/08/97	14.8	0.5	10
Manganese	11/20/97	228.0	5.0	50
Magnesium	11/20/97	10430.0	50.0	NA
Mercury	09/16/97	ND	0.2	2
Nickel	11/21/97	50.0	10.0	100
Potassium	11/20/97	4490.0	40.0	NA
Selenium	12/09/97	ND	3.0	50
Silver	09/10/97	ND	3.0	20
Sodium	11/20/97	48940.0	10.0	50000
Thallium	11/20/97	ND	1.0	10
Vanadium	12/02/97	ND	200.0	NA
Zinc	11/21/97	274.0	2.0	5000

ND = Not Detected, MDL = Method D0.2etection 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 #: 2943.03
Sample Received: 8/29/97
Sample Matrix: Aqueous

Site: Bldg. 2044
Ft. Monmouth, New Jersey

Field ID#: MW-3

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	12/01/97	292.0	0.5	200
Antimony	11/19/97	ND	0.5	20
Arsenic	09/09/97	ND	1.0	8
Barium	12/02/97	ND	30.0	2000
Beryllium	12/02/97	0.06	0.06	20
Cadmium	10/24/97	ND	2.0	4
Calcium	11/20/97	7280.0	30.0	NA
Chromium	12/01/97	21.0	7.0	100
Cobalt	10/24/97	ND	20.0	NA
Copper	11/20/97	ND	3.0	1000
Iron	11/20/97	2490.0	10.0	300
Lead	09/08/97	9.0	0.5	10
Manganese	11/20/97	15.0	5.0	50
Magnesium	11/20/97	1890.0	50.0	NA
Mercury	09/16/97	ND	0.2	2
Nickel	11/21/97	10.0	10.0	100
Potassium	11/20/97	380.0	40.0	NA
Selenium	12/09/97	ND	3.0	50
Silver	09/10/97	ND	3.0	20
Sodium	11/20/97	7090.0	10.0	50000
Thallium	11/20/97	ND	1.0	10
Vanadium	12/02/97	ND	200.0	NA
Zinc	11/21/97	36.0	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 #: 2947.04
Sample Received: 9/2/97
Sample Matrix: Aqueous

Site: Bldg. 2044
Ft. Monmouth, New Jersey

Field ID#: MW-34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	12/02/97	119.9	0.5	200
Antimony	11/19/97	ND	0.5	20
Arsenic	09/09/97	1.0	1.0	8
Barium	12/02/97	ND	30.0	2000
Beryllium	12/02/97	0.24	0.06	20
Cadmium	10/24/97	4.0	2.0	4
Calcium	11/20/97	5370.0	30.0	NA
Chromium	12/01/97	48.0	7.0	100
Cobalt	10/24/97	ND	20.0	NA
Copper	11/20/97	11.0	3.0	1000
Iron	11/20/97	1380.0	10.0	300
Lead	09/08/97	ND	0.5	10
Manganese	11/20/97	26.0	5.0	50
Magnesium	11/20/97	1370.0	50.0	NA
Mercury	09/16/97	ND	0.2	2
Nickel	11/21/97	ND	10.0	100
Potassium	11/20/97	3680.0	40.0	NA
Selenium	12/09/97	ND	3.0	50
Silver	09/10/97	13.0	3.0	20
Sodium	11/20/97	16570.0	10.0	50000
Thallium	11/20/97	ND	1.0	10
Vanadium	12/02/97	200.0	200.0	NA
Zinc	11/21/97	104.0	2.0	5000

ND = Not Detected, MDL = Method D0.2etection 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 #: 2943.05
Sample Received: 8/29/97
Sample Matrix: Aqueous

Site: Bldg. 2044
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	12/01/97	390.3	0.5	200
Antimony	11/19/97	ND	0.5	20
Arsenic	09/09/97	ND	1.0	8
Barium	12/02/97	ND	30.0	2000
Beryllium	12/02/97	0.06	0.06	20
Cadmium	10/24/97	ND	2.0	4
Calcium	11/20/97	7270.0	30.0	NA
Chromium	12/01/97	46.0	7.0	100
Cobalt	10/24/97	ND	20.0	NA
Copper	11/20/97	5.0	3.0	1000
Iron	11/20/97	4100.0	10.0	300
Lead	09/08/97	1.5	0.5	10
Manganese	11/20/97	14.0	5.0	50
Magnesium	11/20/97	1890.0	50.0	NA
Mercury	09/16/97	ND	0.2	2
Nickel	11/21/97	20.0	10.0	100
Potassium	11/20/97	480.0	40.0	NA
Selenium	12/09/97	ND	3.0	50
Silver	09/10/97	8.0	3.0	20
Sodium	11/20/97	7130.0	10.0	50000
Thallium	11/20/97	ND	1.0	10
Vanadium	12/02/97	ND	200.0	NA
Zinc	11/21/97	44.0	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 #: 2947.05
Sample Received: 9/2/97
Sample Matrix: Aqueous

Site: Bldg. 2044
Ft. Monmouth, New Jersey

Field ID#: Field Dup

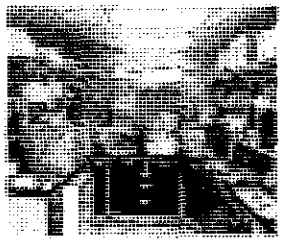
TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	MDL (ug/L)	GW Criteria (ug/L)
Aluminum	12/01/97	431.6	0.5	200
Antimony	11/19/97	ND	0.5	20
Arsenic	09/09/97	4.0	1.0	8
Barium	12/02/97	ND	30.0	2000
Beryllium	12/02/97	0.06	0.06	20
Cadmium	10/24/97	ND	2.0	4
Calcium	11/20/97	21300.0	30.0	NA
Chromium	12/01/97	58.0	7.0	100
Cobalt	10/24/97	ND	20.0	NA
Copper	11/20/97	38.0	3.0	1000
Iron	11/20/97	1510.0	10.0	300
Lead	09/08/97	2.4	0.5	10
Manganese	11/20/97	105.0	5.0	50
Magnesium	11/20/97	5080.0	50.0	NA
Mercury	09/16/97	ND	0.2	2
Nickel	11/21/97	30.0	10.0	100
Potassium	11/20/97	1510.0	40.0	NA
Selenium	12/09/97	ND	3.0	50
Silver	09/10/97	ND	3.0	20
Sodium	11/20/97	24770.0	10.0	50000
Thallium	11/20/97	ND	1.0	10
Vanadium	12/02/97	200.0	200.0	NA
Zinc	11/21/97	9.0	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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3186.06	MW-01	29-30970	12/01/97
3186.04	MW-02	29-30971	12/01/97
3186.03	MW-03	29-30972	12/01/97
3186.05	MW-34	29-32599	12/01/97

NJDEP Laboratory Certification # 13461

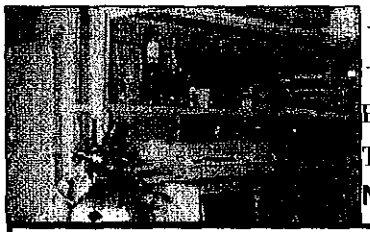
Report Date: 8 January, 1998

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 | Project No: | Location: Bldg 2044

Phone #: X 46223

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

Samplers Name / Company : Ray Pogwist / TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: TCL VOA + 15	TAL Metals	TCL BNA + 15	TCL Pest / PCB					Comments: Remarks / Preservation Method
31860.01	TRip Blnk	12/1/97	0800	AQ	2	X								All Samples Kept Cool
02	Field Blnk		1000		5	X	X	X	X					VOA - HCl
03	MW#3 #2930972		1155											Metals - HNO_3
04	MW#2 #2930971		1205											
05	MW#34#2932599		1510											
06	MW#1 #2930970		1530											
07	Field Dup		—											

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	12/1/97 15:45	[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:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE: CW-6
MW#:1
NJDEP ID# 2930970
NJDEP CERT# 13461
SAMPLING CONTRATOR TVS
SAMPLER RAY POGWIST

DATE: 12/01/97 WEATHER: WINDY 40'S

ELEVATION OF CASING SURVEY MARK
DTW: 4.20
DEPTH OF WELL: 17.80
HEIGHT OF WATER: 13.6
13.6 X 0.65 X ___3___ =26.52
GAL OF H2O TO BE EVACUATED: 26.6 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) __PERISTALIC___
PURGE RATE 0.2 GPM
Hnu READING: PPM 0

PURGE START TIME: 13:15
pH: 7.80 TEMP 10.0 DEG °C
DISSOLVED O2 1.9 PPM SPECIFIC CONDUCTIVITY 170 us/cm

PURGE END TIME: 15:28
pH: 7.80 TEMP 8.3 DEG °C
DISSOLVED O2 1.5 PPM SPECIFIC CONDUCTIVITY 170 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 4.45 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 26.6 GAL

pH: 7.81 TEMP 8.2 DEG °C
DISSOLVED O2 1.4 PPM SPECIFIC CONDUCTIVITY 170 us/cm

COMMENTS:_____
_____
_____

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE: CW-6
MW#:2
NJDEP ID# 2930971
NJDEP CERT# 13461
SAMPLING CONTRATOR TVS
SAMPLER RAY POGWIST

DATE: 12/01/97 WEATHER: WINDY 40'S

ELEVATION OF CASING SURVEY MARK
DTW: 4.10
DEPTH OF WELL: 16.80
HEIGHT OF WATER: 12.7
12.7 X 0.65 X ___3___ =24.765
GAL OF H2O TO BE EVACUATED: 24.8 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) __PERISTALIC___
PURGE RATE 0.2 GPM
Hnu READING: PPM 0

PURGE START TIME: 9:55
pH: 8.13 TEMP 8.3 DEG °C
DISSOLVED O2 2.6 PPM SPECIFIC CONDUCTIVITY 230 us/cm

PURGE END TIME: 11:59
pH: 6.08 TEMP 13.7 DEG °C
DISSOLVED O2 2.2 PPM SPECIFIC CONDUCTIVITY 130 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 5.20 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 24.8 GAL

pH: 6.05 TEMP 13.8 DEG °C
DISSOLVED O2 2.2 PPM SPECIFIC CONDUCTIVITY 130 us/cm

COMMENTS:_____
_____
_____

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE: CW-6
MW#:3
NJDEP ID# 2930972
NJDEP CERT# 13461
SAMPLING CONTRATOR TVS
SAMPLER RAY POGWIST

DATE: 12/01/97 WEATHER: WINDY 40'S

ELEVATION OF CASING SURVEY MARK
DTW: 4.80
DEPTH OF WELL: 17.78
HEIGHT OF WATER: 12.98
12.98 X 0.65 X ___3___ =25.311
GAL OF H2O TO BE EVACUATED: 25.4 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) __PERISTALIC___
PURGE RATE 0.2 GPM
Hnu READING: PPM 0

PURGE START TIME: 9:45
pH: 8.02 TEMP 10.8 DEG °C
DISSOLVED O2 2.2 PPM SPECIFIC CONDUCTIVITY 120 us/cm

PURGE END TIME: 11:52
pH: 5.89 TEMP 10.7 DEG °C
DISSOLVED O2 3.8 PPM SPECIFIC CONDUCTIVITY 90 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 5.00 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 25.4 GAL

pH:5.86 TEMP 10.7 DEG °C
DISSOLVED O2 3.8 PPM SPECIFIC CONDUCTIVITY 80 us/cm

COMMENTS:_____
_____
_____

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE: CW-6
MW#:34
NJDEP ID# 2932599
NJDEP CERT# 13461
SAMPLING CONTRATOR TVS
SAMPLER RAY POGWIST

DATE: 12/01/97 WEATHER: WINDY 40'S

ELEVATION OF CASING SURVEY MARK
DTW: 4.25
DEPTH OF WELL: 16.90
HEIGHT OF WATER: 12.65
12.65X 0.65 X ___3___ =24.6675
GAL OF H2O TO BE EVACUATED: 24.8 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) PERISTALIC
PURGE RATE 0.2 GPM
Hnu READING: PPM 0

PURGE START TIME: 13:05
pH:7.80 TEMP 8.3 DEG °C
DISSOLVED O2 3.5 PPM SPECIFIC CONDUCTIVITY 120 us/cm

PURGE END TIME: 15:10
pH: 7:55 TEMP 9.0 DEG °C
DISSOLVED O2 2.2 PPM SPECIFIC CONDUCTIVITY 90 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 4.35 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 24.8 GAL

pH: 7.53 TEMP 9.0 DEG °C
DISSOLVED O2 2.0 PPM SPECIFIC CONDUCTIVITY 90 us/cm

COMMENTS:_____
_____
_____

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

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

Data File Name	**v02489.d**	Sample Name	**VBLK03**
Operator	**Skelton**	Field ID	**VBLK03**
Date Acquired	**12/ 5/19 -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

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Data File Name	**v02513.d**	Sample Name	**VBLK04**
Operator	**Skelton**	Field ID	**VBLK04**
Date Acquired	**12/ 9/19 -1:1:**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	Qualifiers	GW Criteria
107028	Acrolein			not detected	6.25 ug/L		na
107131	Acrylonitrile			not detected	6.25 ug/L		na
75650	tert-Butyl alcohol			not detected	12.50 ug/L		na
1634044	Methyl-tert-Butyl ether			not detected	2.50 ug/L		na
108203	Di-isopropyl ether			not detected	1.25 ug/L		na
	Dichlorodifluoromethane			not detected	3.63 ug/L		na
74-87-3	Chloromethane			not detected	0.79 ug/L		30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L		5
74-83-9	Bromomethane			not detected	1.45 ug/L		10
75-00-3	Chloroethane			not detected	2.20 ug/L		na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L		na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L		2
67-64-1	Acetone			not detected	1.57 ug/L		700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L		na
75-09-2	Methylene Chloride			not detected	1.66 ug/L		2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L		100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L		70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L		na
78-93-3	2-Butanone			not detected	2.06 ug/L		300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L		10
67-66-3	Chloroform			not detected	0.43 ug/L		6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L		30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L		2
71-43-2	Benzene			not detected	0.51 ug/L		1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L		2
79-01-6	Trichloroethene			not detected	0.94 ug/L		1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L		1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L		1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L		na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L		na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L		400
108-88-3	Toluene			not detected	0.73 ug/L		1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L		na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L		3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L		1
591-78-6	2-Hexanone			not detected	1.12 ug/L		na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L		10
108-90-7	Chlorobenzene			not detected	0.66 ug/L		4
100-41-4	Ethylbenzene			not detected	1.14 ug/L		700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L		na
1330-20-7	o-Xylene			not detected	1.92 ug/L		na
100-42-5	Styrene			not detected	1.57 ug/L		100
75-25-2	Bromoform			not detected	1.68 ug/L		4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L		2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L		600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L		74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L		600

Qualifiers

B = Compound found in related blank
E = Value above linier range
D = Value from dilution

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Data File Name	**v02492.d**	Sample Name	**3186.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**12/ 5/19 -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

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Data File Name	**v02493.d**	Sample Name	**3186.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**12/ 5/19 -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

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Data File Name	**v02500.d**	Sample Name	**3186.06**
Operator	**Skelton**	Field ID	**MW1**
Date Acquired	**12/ 5/19 -1:9:**	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

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NJDEP Certification #13461

Data File Name	**v02517.d**	Sample Name	**3186.04**
Operator	**Skelton**	Field ID	**MW2**
Date Acquired	**12/ 9/19 -1:6:**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Amount	MDL	Qualifiers	GW Criteria
107028	Acrolein			not detected	6.25 ug/L		na
107131	Acrylonitrile			not detected	6.25 ug/L		na
75650	tert-Butyl alcohol			not detected	12.50 ug/L		na
1634044	Methyl-tert-Butyl ether			not detected	2.50 ug/L		na
108203	Di-isopropyl ether			not detected	1.25 ug/L		na
	Dichlorodifluoromethane			not detected	3.63 ug/L		na
74-87-3	Chloromethane			not detected	0.79 ug/L		30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L		5
74-83-9	Bromomethane			not detected	1.45 ug/L		10
75-00-3	Chloroethane			not detected	2.20 ug/L		na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L		na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L		2
67-64-1	Acetone			not detected	1.57 ug/L		700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L		na
75-09-2	Methylene Chloride			not detected	1.66 ug/L		2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L		100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L		70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L		na
78-93-3	2-Butanone			not detected	2.06 ug/L		300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L		10
67-66-3	Chloroform			not detected	0.43 ug/L		6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L		30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L		2
71-43-2	Benzene			not detected	0.51 ug/L		1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L		2
79-01-6	Trichloroethene			not detected	0.94 ug/L		1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L		1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L		1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L		na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L		na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L		400
108-88-3	Toluene			not detected	0.73 ug/L		1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L		na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L		3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L		1
591-78-6	2-Hexanone			not detected	1.12 ug/L		na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L		10
108-90-7	Chlorobenzene			not detected	0.66 ug/L		4
100-41-4	Ethylbenzene			not detected	1.14 ug/L		700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L		na
1330-20-7	o-Xylene			not detected	1.92 ug/L		na
100-42-5	Styrene			not detected	1.57 ug/L		100
75-25-2	Bromoform			not detected	1.68 ug/L		4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L		2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L		600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L		74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L		600

Qualifiers

B = Compound found in related blank
E = Value above linier range
D = Value from dilution

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

Data File Name	v02497.d	Sample Name	3186.03
Operator	Skelton	Field ID	MW3
Date Acquired	12/ 5/19 -1:6:	Sample Multiplier	1

CAS#	Name	R.T.	Response	Amount	MDL	Qualifiers	GW Criteria
107028	Acrolein			not detected	6.25 ug/L		na
107131	Acrylonitrile			not detected	6.25 ug/L		na
75650	tert-Butyl alcohol			not detected	12.50 ug/L		na
1634044	Methyl-tert-Butyl ether			not detected	2.50 ug/L		na
108203	Di-isopropyl ether			not detected	1.25 ug/L		na
	Dichlorodifluoromethane			not detected	3.63 ug/L		na
74-87-3	Chloromethane			not detected	0.79 ug/L		30
75-01-4	Vinyl Chloride			not detected	2.61 ug/L		5
74-83-9	Bromomethane			not detected	1.45 ug/L		10
75-00-3	Chloroethane			not detected	2.20 ug/L		na
75-69-4	Trichlorofluoromethane			not detected	1.31 ug/L		na
75-35-4	1,1-Dichloroethene			not detected	0.74 ug/L		2
67-64-1	Acetone			not detected	1.57 ug/L		700
75-15-0	Carbon Disulfide			not detected	0.54 ug/L		na
75-09-2	Methylene Chloride			not detected	1.66 ug/L		2
156-60-5	trans-1,2-Dichloroethene			not detected	0.50 ug/L		100
75-35-3	1,1-Dichloroethane			not detected	0.83 ug/L		70
108-05-4	Vinyl Acetate			not detected	2.07 ug/L		na
78-93-3	2-Butanone			not detected	2.06 ug/L		300
	cis-1,2-Dichloroethene			not detected	0.65 ug/L		10
67-66-3	Chloroform			not detected	0.43 ug/L		6
75-55-6	1,1,1-Trichloroethane			not detected	0.81 ug/L		30
56-23-5	Carbon Tetrachloride			not detected	1.20 ug/L		2
71-43-2	Benzene			not detected	0.51 ug/L		1
107-06-2	1,2-Dichloroethane			not detected	1.27 ug/L		2
79-01-6	Trichloroethene			not detected	0.94 ug/L		1
78-87-5	1,2-Dichloropropane			not detected	0.78 ug/L		1
75-27-4	Bromodichloromethane			not detected	0.77 ug/L		1
110-75-8	2-Chloroethyl vinyl ether			not detected	1.05 ug/L		na
10061-01-5	cis-1,3-Dichloropropene			not detected	0.60 ug/L		na
108-10-1	4-Methyl-2-Pentanone			not detected	1.33 ug/L		400
108-88-3	Toluene			not detected	0.73 ug/L		1000
10061-02-6	trans-1,3-Dichloropropene			not detected	1.43 ug/L		na
79-00-5	1,1,2-Trichloroethane			not detected	1.49 ug/L		3
127-18-4	Tetrachloroethene			not detected	0.92 ug/L		1
591-78-6	2-Hexanone			not detected	1.12 ug/L		na
126-48-1	Dibromochloromethane			not detected	1.36 ug/L		10
108-90-7	Chlorobenzene			not detected	0.66 ug/L		4
100-41-4	Ethylbenzene			not detected	1.14 ug/L		700
1330-20-7	m+p-Xylenes			not detected	2.53 ug/L		na
1330-20-7	o-Xylene			not detected	1.92 ug/L		na
100-42-5	Styrene			not detected	1.57 ug/L		100
75-25-2	Bromoform			not detected	1.68 ug/L		4
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1.71 ug/L		2
541-73-1	1,3-Dichlorobenzene			not detected	2.51 ug/L		600
106-46-7	1,4-Dichlorobenzene			not detected	3.08 ug/L		74
95-50-1	1,2-Dichlorobenzene			not detected	2.75 ug/L		600

Qualifiers

B = Compound found in related blank
E = Value above linier range
D = Value from dilution

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

Data File Name	**v02499.d**	Sample Name	**3186.05**
Operator	**Skelton**	Field ID	**MW34**
Date Acquired	**12/ 5/19 -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	**v02501.d**	Sample Name	**3186.07**
Operator	**Skelton**	Field ID	**Field Dup**
Date Acquired	**12/ 5/19 -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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

VBLK03

Lab Name: FMETL Project CW-6

NJDEP # 13461 Case No.: 3186 Location Bldg204/44 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLK03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02489.D

Level: (low/med) LOW Date Received: 12/01/97

% Moisture: not dec. _____ Date Analyzed: 12/05/97

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: **VBLK04**

Lab Name: FMETL Project CLEAN-6

NJDEP # 13461 Case No.: 3186 Location Bldg204 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: VBLK04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02513.D

Level: (low/med) LOW Date Received: 12/01/97

% Moisture: not dec. Date Analyzed: 12/09/97

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 CLP-6

NJDEP # 13461 Case No.: 3186 Location Bldg209 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3186.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02492.D

Level: (low/med) LOW Date Received: 12/01/97

% Moisture: not dec. Date Analyzed: 12/05/97

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank

Lab Name: FMETL Project CLP6

NJDEP # 13461 Case No.: 3186 Location Bldg20/4 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3186.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02493.D

Level: (low/med) LOW Date Received: 12/01/97

% Moisture: not dec. Date Analyzed: 12/05/97

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: MW1

Lab Name: FMETL Project Clw-Ce

NJDEP # 13461 Case No.: 3186 Location Bldg204 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3186.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02500.D

Level: (low/med) LOW Date Received: 12/01/97

% Moisture: not dec. Date Analyzed: 12/05/97

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: **MW2**

Lab Name: FMETL Project CW-6

NJDEP # 13461 Case No.: 3186 Location Bldg20 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3186.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02517.D

Level: (low/med) LOW Date Received: 12/01/97

% Moisture: not dec. Date Analyzed: 12/09/97

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW3

Lab Name: FMETL Project OW-6

NJDEP # 13461 Case No.: 3186 Location Bldg20W SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3186.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02497.D

Level: (low/med) LOW Date Received: 12/01/97

% Moisture: not dec. Date Analyzed: 12/05/97

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW34

Lab Name: FMETL Project Chl-6

NJDEP # 13461 Case No.: 3186 Location Bldg204 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3186.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02499.D

Level: (low/med) LOW Date Received: 12/01/97

% Moisture: not dec. Date Analyzed: 12/05/97

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Dup

Lab Name: FMETL Project Qu-6

NJDEP # 13461 Case No.: 3186 Location Bldg204 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3186.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V02501.D

Level: (low/med) LOW Date Received: 12/01/97

% Moisture: not dec. Date Analyzed: 12/05/97

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	13.83	7	J

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

Data File Name	**BN0765.D**	Sample Name	**SBLK08**
Operator	**Skelton**	Field ID	**12/04/97**
Date Acquired	**12/10/97 13:57**	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	20.25	165406	1.09 ug/L	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47 ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22 ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46 ug/L	60
218-01-9	Chrysene			not detected	0.20 ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate	25.26	46683	0.57 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	

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Data File Name	**bn0767.d**	Sample Name	**3186.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**12/10/97 15:36**	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	20.26	198812	1.46 ug/L	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			not detected	0.47 ug/L	100
56-55-3	Benzo[a]anthracene			not detected	0.22 ug/L	10
91-94-1	3,3'-Dichlorobenzidine			not detected	0.46 ug/L	60
218-01-9	Chrysene			not detected	0.20 ug/L	20
117-81-7	bis(2-Ethylhexyl)phthalate	25.26	107700	1.32 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	

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Data File Name	**bn0771.d**	Sample Name	**3186.06**
Operator	**Skelton**	Field ID	**MW1**
Date Acquired	**12/10/97 18:32**	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	20.25	207930	1.88 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	**bn0769.d**	Sample Name	**3186.04**
Operator	**Skelton**	Field ID	**MW2**
Date Acquired	**12/10/97 17:05**	Sample Multiplier	**1**

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

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate	20.26	140810	1.12 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	**bn0768.d**	Sample Name	**3186.03**
Operator	**Skelton**	Field ID	**MW3**
Date Acquired	**12/10/97 16:21**	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	20.25	165531	1.48 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	**bn0770.d**	Sample Name	**3186.05**
Operator	**Skelton**	Field ID	**MW34**
Date Acquired	**12/10/97 17:48**	Sample Multiplier	**1**

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

132-64-9	Dibenzofuran			not detected	0.32 ug/L	
100-02-7	4-Nitrophenol			not detected	0.27 ug/L	
121-14-2	2,4-Dinitrotoluene			not detected	0.36 ug/L	10
84-66-2	Diethylphthalate			not detected	0.82 ug/L	5000
86-73-7	Fluorene			not detected	0.29 ug/L	300
7005-72-3	4-Chlorophenyl-phenylether			not detected	0.31 ug/L	
100-01-6	4-Nitroaniline			not detected	0.90 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	0.44 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	0.23 ug/L	20
103-33-3	Azobenzene			not detected	0.80 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	0.55 ug/L	
118-74-1	Hexachlorobenzene			not detected	0.82 ug/L	10
87-86-5	Pentachlorophenol			not detected	1.08 ug/L	1
85-01-8	Phenanthrene			not detected	0.18 ug/L	
120-12-7	Anthracene			not detected	0.19 ug/L	2000
84-74-2	Di-n-butylphthalate			not detected	0.23 ug/L	900
206-44-0	Fluoranthene			not detected	0.41 ug/L	300
92-87-5	Benzidine			not detected	1.45 ug/L	50
129-00-0	Pyrene			not detected	0.32 ug/L	200
85-68-7	Butylbenzylphthalate			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	**bn0772.d**	Sample Name	**3186.07**
Operator	**Skelton**	Field ID	**Field Dup**
Date Acquired	**12/10/97 19:15**	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	20.25	265774	2.11 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	25.25	109806	1.70 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	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK08

Lab Name: FMETL Lab Code 13461 CW-6

Project _____ Case No.: 3186 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: SBLK08

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0765.D

Level: (low/med) LOW Date Received: 12/01/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 12/10/97

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	5.02	37	JN
2. 000103-23-1	Hexanedioic acid, bis(2-ethylhexy	24.12	280	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank

Lab Name: FMETL Lab Code 13461 Cw-6

Project Case No.: 3186 Location B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3186.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0767.D

Level: (low/med) LOW Date Received: 12/01/97

% Moisture: decanted: (Y/N) N Date Analyzed: 12/10/97

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	5.02	34	JN
2. 000103-23-1	Hexanedioic acid, bis(2-ethylhexy	24.15	390	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW1

Lab Name: FMETL Lab Code 13461 Q0-6

Project _____ Case No.: 3186 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3186.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0771.D

Level: (low/med) LOW Date Received: 12/01/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 12/10/97

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

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	5.04	53	J
2.	unknown hydrocarbon	19.31	10	J
3. 000103-23-1	Hexanedioic acid, bis(2-ethylhexy	24.15	650	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW2

Lab Name: FMETL Lab Code 13461 Clu-6

Project _____ Case No.: 3186 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3186.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0769.D

Level: (low/med) LOW Date Received: 12/01/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 12/10/97

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. 072218-58-7	3-Methylheptyl acetate	4.94	8	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.04	43	JN
3.	unknown hydrocarbon	19.31	8	J
4. 000103-23-1	Hexanedioic acid, bis(2-ethylhexy	24.13	380	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW3

Lab Name: FMETL Lab Code 13461 (w)-le

Project _____ Case No.: 3186 Location Bldg 20 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3186.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0768.D

Level: (low/med) LOW Date Received: 12/01/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 12/10/97

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

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	5.02	36	J
2.	unknown hydrocarbon	19.32	12	J
3. 000103-23-1	Hexanedioic acid, bis(2-ethylhexy	24.16	680	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW34

Lab Name: FMETL Lab Code 13461 CW-6

Project _____ Case No.: 3186 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3186.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0770.D

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 12/10/97

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

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	5.04	43	J
2. 000103-23-1	Hexanedioic acid, bis(2-ethylhexy	24.12	330	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Dup

Lab Name: FMETL Lab Code 13461 CW-Q

Project Case No.: 3186 Location B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3186.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN0772.D

Level: (low/med) LOW Date Received: 12/01/97

% Moisture: decanted: (Y/N) N Date Analyzed: 12/10/97

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

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	5.04	46	J
2. 000103-23-1	Hexanedioic acid, bis(2-ethylhexy	24.13	420	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:**	12/3/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/7/98
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 # :**	3186.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	12/1/97
	Bldg. 173	**Extraction Date:**	12/3/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/7/98
Analysis:	EPA Method 608	**Location :**	CW-6
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 # :**	3186.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	12/1/97
	Bldg. 173	**Extraction Date:**	12/3/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/7/98
Analysis:	EPA Method 608	**Location :**	CW-6
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-1
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	29.32	0.20	0.0024	0.024
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	32.54	0.10	0.0066	0.023
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	30.34	0.50	0.0140	0.057
Gamma-chlordane	1	30.17	0.50	0.0140	0.025
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 # :**	3186.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	12/1/97
	Bldg. 173	**Extraction Date:**	12/3/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/7/98
Analysis:	EPA Method 608	**Location :**	CW-6
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-2
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 # :**	3186.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	12/1/97
	Bldg. 173	**Extraction Date:**	12/3/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/7/98
Analysis:	EPA Method 608	**Location :**	CW-6
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-3
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	GW Criteria	MDL (ug/L)	Result (ng/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 # :**	3186.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	12/1/97
	Bldg. 173	**Extraction Date:**	12/3/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/7/98
Analysis:	EPA Method 608	**Location :**	CW-6
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-34
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 # :**	3186.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	12/1/97
	Bldg. 173	**Extraction Date:**	12/3/97
	Ft. Monmouth, NJ 07703	**Analysis Date:**	1/7/98
Analysis:	EPA Method 608	**Location :**	CW-6
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	Fileld 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: CW-6
Ft. Monmouth, New Jersey

Field ID#: NA

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	01/28/98	ND	200	10.0
Antimony	01/28/98	ND	20	2.0
Arsenic	01/28/98	ND	8	2.0
Barium	01/28/98	ND	2000	0.5
Beryllium	01/28/98	ND	20	0.5
Cadmium	01/28/98	ND	4	0.5
Calcium	01/28/98	ND	NLE	10.0
Chromium	01/28/98	ND	100	0.5
Cobalt	01/28/98	ND	NLE	0.5
Copper	01/28/98	ND	1000	3.0
Iron	01/28/98	ND	300	5.0
Lead	01/28/98	ND	10	2.0
Magnesium	01/28/98	ND	NLE	10.0
Manganese	01/28/98	ND	50	0.5
Mercury	12/16/97	0.4	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 #: 3186.02
Sample Received: 12/01/97
Sample Matrix: Aqueous

Site: CW-6
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	50.0	200	20.0
Antimony	01/28/98	ND	20	4.0
Arsenic	01/28/98	ND	8	4.0
Barium	01/28/98	1.9	2000	1.0
Beryllium	01/28/98	ND	20	1.0
Cadmium	01/28/98	1.0	4	1.0
Calcium	01/28/98	630.0	NLE	20.0
Chromium	01/28/98	ND	100	1.0
Cobalt	01/28/98	ND	NLE	1.0
Copper	01/28/98	ND	1000	6.0
Iron	01/28/98	102.0	300	10.0
Lead	01/28/98	9.0	10	4.0
Magnesium	01/28/98	130.0	NLE	20.0
Manganese	01/28/98	1.7	50	1.0
Mercury	12/16/97	0.2	2	0.2
Nickel	01/28/98	5.9	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	640.0	50000	20.0
Thallium	01/28/98	ND	10	6.0
Vanadium	01/28/98	ND	NLE	2.0
Zinc	01/28/98	51.0	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 #: 3186.06
Sample Received: 12/01/97
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: MW-1

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	01/28/98	303.0	200	20.0
Antimony	01/28/98	ND	20	4.0
Arsenic	01/28/98	ND	8	4.0
Barium	01/28/98	8.9	2000	1.0
Beryllium	01/28/98	ND	20	1.0
Cadmium	01/28/98	ND	4	1.0
Calcium	01/28/98	28140.0	NLE	20.0
Chromium	01/28/98	2.9	100	1.0
Cobalt	01/28/98	ND	NLE	1.0
Copper	01/28/98	29.0	1000	6.0
Iron	01/28/98	468.0	300	10.0
Lead	01/28/98	25.0	10	4.0
Magnesium	01/28/98	6370.0	NLE	20.0
Manganese	01/28/98	94.4	50	1.0
Mercury	12/16/97	0.3	2	0.2
Nickel	01/28/98	4.6	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	17320.0	50000	20.0
Thallium	01/28/98	ND	10	6.0
Vanadium	01/28/98	ND	NLE	2.0
Zinc	01/28/98	87.0	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 #: 3186.04
Sample Received: 12/01/97
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: MW-2

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	01/28/98	10060.0	200	20.0
Antimony	01/28/98	ND	20	4.0
Arsenic	01/28/98	7.0	8	4.0
Barium	01/28/98	114.4	2000	1.0
Beryllium	01/28/98	1.7	20	1.0
Cadmium	01/28/98	ND	4	1.0
Calcium	01/28/98	9660.0	NLE	20.0
Chromium	01/28/98	6.0	100	1.0
Cobalt	01/28/98	9.9	NLE	1.0
Copper	01/28/98	18.0	1000	6.0
Iron	01/28/98	9943.0	300	10.0
Lead	01/28/98	41.0	10	4.0
Magnesium	01/28/98	7630.0	NLE	20.0
Manganese	01/28/98	108.6	50	1.0
Mercury	12/16/97	0.3	2	0.2
Nickel	01/28/98	42.3	100	1.0
Potassium	01/28/98	3480.0	NLE	20.0
Selenium	01/28/98	ND	50	6.0
Silver	01/28/98	ND	20	6.0
Sodium	01/28/98	21020.0	50000	20.0
Thallium	01/28/98	ND	10	6.0
Vanadium	01/28/98	3.0	NLE	2.0
Zinc	01/28/98	278.0	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 #: 3186.03
Sample Received: 12/01/97
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: MW-3

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	01/28/98	293.0	200	20.0
Antimony	01/28/98	ND	20	4.0
Arsenic	01/28/98	ND	8	4.0
Barium	01/28/98	27.1	2000	1.0
Beryllium	01/28/98	ND	20	1.0
Cadmium	01/28/98	1.0	4	1.0
Calcium	01/28/98	11740.0	NLE	20.0
Chromium	01/28/98	2.4	100	1.0
Cobalt	01/28/98	2.2	NLE	1.0
Copper	01/28/98	10.0	1000	6.0
Iron	01/28/98	538.0	300	10.0
Lead	01/28/98	10.0	10	4.0
Magnesium	01/28/98	2370.0	NLE	20.0
Manganese	01/28/98	34.1	50	1.0
Mercury	12/16/97	0.2	2	0.2
Nickel	01/28/98	4.9	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	11830.0	50000	20.0
Thallium	01/28/98	ND	10	6.0
Vanadium	01/28/98	ND	NLE	2.0
Zinc	01/28/98	135.0	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 #: 3186.05
Sample Received: 12/01/97
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: MW-34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	01/28/98	348.0	200	20.0
Antimony	01/28/98	ND	20	4.0
Arsenic	01/28/98	ND	8	4.0
Barium	01/28/98	40.2	2000	1.0
Beryllium	01/28/98	ND	20	1.0
Cadmium	01/28/98	ND	4	1.0
Calcium	01/28/98	10240.0	NLE	20.0
Chromium	01/28/98	2.7	100	1.0
Cobalt	01/28/98	1.6	NLE	1.0
Copper	01/28/98	12.0	1000	6.0
Iron	01/28/98	652.0	300	10.0
Lead	01/28/98	10.0	10	4.0
Magnesium	01/28/98	2700.0	NLE	20.0
Manganese	01/28/98	25.8	50	1.0
Mercury	12/16/97	0.3	2	0.2
Nickel	01/28/98	4.9	100	1.0
Potassium	01/28/98	2680.0	NLE	20.0
Selenium	01/28/98	ND	50	6.0
Silver	01/28/98	ND	20	6.0
Sodium	01/28/98	15480.0	50000	20.0
Thallium	01/28/98	ND	10	6.0
Vanadium	01/28/98	ND	NLE	2.0
Zinc	01/28/98	200.0	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 #: 3186.07
Sample Received: 12/01/97
Sample Matrix: Aqueous

Site: CW-6
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	211.0	200	20.0
Antimony	01/28/98	ND	20	4.0
Arsenic	01/28/98	ND	8	4.0
Barium	01/28/98	37.1	2000	1.0
Beryllium	01/28/98	ND	20	1.0
Cadmium	01/28/98	ND	4	1.0
Calcium	01/28/98	9600.0	NLE	20.0
Chromium	01/28/98	2.4	100	1.0
Cobalt	01/28/98	1.4	NLE	1.0
Copper	01/28/98	7.0	1000	6.0
Iron	01/28/98	558.0	300	10.0
Lead	01/28/98	10.0	10	4.0
Magnesium	01/28/98	2540.0	NLE	20.0
Manganese	01/28/98	21.6	50	1.0
Mercury	12/16/97	0.3	2	0.2
Nickel	01/28/98	4.5	100	1.0
Potassium	01/28/98	2290.0	NLE	20.0
Selenium	01/28/98	ND	50	6.0
Silver	01/28/98	ND	20	6.0
Sodium	01/28/98	14710.0	50000	20.0
Thallium	01/28/98	ND	10	6.0
Vanadium	01/28/98	ND	NLE	2.0
Zinc	01/28/98	116.0	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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3388.03	MW-01	29-30970	03/05/98
3388.04	MW-02	29-30971	03/05/98
3388.05	MW-03	29-30972	03/05/98
3388.06	MW-34	29-32599	03/05/98

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: Joseph Fallon SELFM-PW-EV
Phone #: (732) 532-6223
(X)DERA Long Term Monitoring

Project No: IJN 98-0211
Location: BLDG. 2044

Samplers Name / Company : TVS PWS-007

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Metals	PEST PCB	ABN+25				OVA	Remarks / Preservation Method
33188 01	TRIP BLANK	3/5/98	0730	AQ	2	✓								All samples kept <4 degrees C
02	FIELD BLANK		1037		5	✓	✓	✓	✓					VOA pres. W/ HCL
03	MW-1 2930970		1220		5	✓	✓	✓	✓					Metals pres. W/ HNO_3
04	MW-2 2930971		~~1220~~ 1340		6	✓	✓	✓	✓					
05	MW-3 2930972		1300		5	✓	✓	✓	✓					
06	MW-34 2930599		1155		9	✓	✓	✓	✓					* QC sample
07	FIELD DUP		—		5	✓	✓	✓	✓					

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
D. Dan	3/5/98 1555				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (X) DERA long term monitoring format
Turnaround time: (X)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

SITE: CW-6
MW# 1
NJDEP ID# 2930970
NJDEP CERT# 13461
SAMPLING CONTRACTOR TVS
SAMPLER DAVE DEINHART/MARK LAURA

DATE: 03/05/98 WEATHER: SUNNY, COOL ,40'S

ELEVATION OF CASING SURVEY MARK
DTW: 3.38 T.O.C.
DEPTH OF WELL: 17.89
HEIGHT OF WATER 14.51
14.51 X 0.65 X ___3___ = 28.29
GAL OF H2O TO BE EVACUATED 28.3 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) __PERISTALIC___
PURGE RATE 0.2 GPM
Hnu READING 0

PURGE START TIME: 10:01
pH: 7.46 TEMP 8.7 DEG °C
DISSOLVED O2 3.8 PPM SPECIFIC CONDUCTIVITY 60 us/cm

PURGE END TIME: 12:20
pH: 7.43 TEMP 6.9 DEG °C
DISSOLVED O2 3.6 PPM SPECIFIC CONDUCTIVITY 60 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 3.68 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 28.5 GAL

pH: 7.41 TEMP 7.0 DEG °C
DISSOLVED O2 3.2 PPM SPECIFIC CONDUCTIVITY 70 us/cm

COMMENTS:_____
_____
_____

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: CW-6
MW# 2
NJDEP ID# 2930971
NJDEP CERT# 13461
SAMPLING CONTRATOR TVS
SAMPLER DAVE DEINHARDT/MARK LAURA

DATE: 03/05/98 WEATHER: SUNNY COOL, 40'S

ELEVATION OF CASING SURVEY MARK
DTW: 2.81.
DEPTH OF WELL: 16.80
HEIGHT OF WATER: 13.99
13.99 X 0.65 X ___3___ = 27.3
GAL OF H2O TO BE EVACUATED 27.3 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) __PERISTALIC___
PURGE RATE 0.21 GPM
Hnu READING 0

PURGE START TIME: 11:10
pH: 7.26 TEMP 6.8 DEG °C
DISSOLVED O2 3.6 PPM SPECIFIC CONDUCTIVITY 100 us/cm

PURGE END TIME: 13.40
pH: 7.18 TEMP 9.1 DEG °C
DISSOLVED O2 4.4 PPM SPECIFIC CONDUCTIVITY 80 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 3.65 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 27.3 GAL

pH: 6.97 TEMP 8.6 DEG °C
DISSOLVED O2 3.9 PPM SPECIFIC CONDUCTIVITY 80 us/cm

COMMENTS:_____
_____
_____

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: CW-6
MW# 3
NJDEP ID# 2930972
NJDEP CERT# 13461
SAMPLING CONTRATOR TVS
SAMPLER DAVE DEINHARDT/MARK LAURA

DATE: 03/05/98 WEATHER: SUNNY COOL, 40'S

ELEVATION OF CASING SURVEY MARK
DTW: 3.32
DEPTH OF WELL: 17.78
HEIGHT OF WATER: 14.46
14.46 X 0.65 X ___3___ = 28.2
GAL OF H2O TO BE EVACUATED 28.2 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) __PERISTALIC___
PURGE RATE 0.18 GPM
Hnu READING 0

PURGE START TIME: 10:23
pH: 7.40 TEMP 8.0 DEG °C
DISSOLVED O2 3.8 PPM SPECIFIC CONDUCTIVITY 40 us/cm

PURGE END TIME: 13:00
pH: 6.74 TEMP 8.6 DEG °C
DISSOLVED O2 3.1 PPM SPECIFIC CONDUCTIVITY 50 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 3.35 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 28.2 GAL

pH: 6.64 TEMP 7.6 DEG °C
DISSOLVED O2 3.5 PPM SPECIFIC CONDUCTIVITY 50 us/cm

COMMENTS:_____
_____
_____

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATASHEET

BLDG: CW-6
MW# 34
NJDEP ID# 2932599
NJDEP CERT# 13461
SAMPLING CONTRATOR TVS
SAMPLER DAVE DEINHARDT/MARK LAURA

DATE: 03/05/98 WEATHER: SUNNY COOL, 40'S

ELEVATION OF CASING SURVEY MARK
DTW: 3.78.
DEPTH OF WELL: 16.90
HEIGHT OF WATER: 13.12
13.12 X 0.65 X ___3___ = 25.6
GAL OF H2O TO BE EVACUATED 25.6 GAL
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM) PERISTALIC
PURGE RATE 0.196 GPM
Hnu READING 0

PURGE START TIME: 9:44
pH: 7.76 TEMP 11.4 DEG °C
DISSOLVED O2 5.6 PPM SPECIFIC CONDUCTIVITY 50 us/cm

PURGE END TIME: 11:55
pH: 8:.30 TEMP 8.4 DEG °C
DISSOLVED O2 5.1 PPM SPECIFIC CONDUCTIVITY 70 us/cm

DEPTH TO H2O AFTER PURGING AND BEFORE SAMPLING 3.94 FT
sampling method : dedicated (law NJDEP FSPM 1992) teflon ® bailer
TOTAL VOLUME PURGED: 25.6 GAL

pH: 8.10 TEMP 8.4 DEG °C
DISSOLVED O2 5.0 PPM SPECIFIC CONDUCTIVITY 70 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	**v03108.d**	Sample Name	**VBLK30**
Operator	**Skelton**	Field ID	**VBLK30**
Date Acquired	**9 Mar 1998 13:12**	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	**v03119.d**	Sample Name	**3388.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**9 Mar 1998 21:50**	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

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Data File Name	**v03120.d**	Sample Name	**3388.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**9 Mar 1998 22:38**	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

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Data File Name	**v03121.d**	Sample Name	**3388.03**
Operator	**Skelton**	Field ID	**MW1**
Date Acquired	**9 Mar 1998 23:26**	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

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Data File Name	**v03122.d**	Sample Name	**3388.04**
Operator	**Skelton**	Field ID	**MW2**
Date Acquired	**10 Mar 1998 00:13**	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

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Data File Name	**v03123.d**	Sample Name	**3388.05**
Operator	**Skelton**	Field ID	**MW3**
Date Acquired	**10 Mar 1998 1:01**	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

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D = Value from dilution
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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Data File Name	**v03124.d**	Sample Name	**3388.06**
Operator	**Skelton**	Field ID	**MW34**
Date Acquired	**10 Mar 1998 1:49**	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

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D = Value from dilution
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NLE = No Limit Established
R.T. = Retention Time

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Data File Name	**V03125.D**	Sample Name	**3388.07**
Operator	**Skelton**	Field ID	**Field Dup**
Date Acquired	**10 Mar 1998 2:37**	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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

VBLK30 CW-6

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3388 Location: B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: VBLK30

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03108.D

Level: (low/med) LOW Date Received: 03/05/98

% Moisture: not dec. Date Analyzed: 03/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

Trip Blank CW-6

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3388 Location: B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3388.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03119.D

Level: (low/med) LOW Date Received: 03/05/98

% Moisture: not dec. Date Analyzed: 03/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank CW-6

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3388 Location: B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3388.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03120.D

Level: (low/med) LOW Date Received: 03/05/98

% Moisture: not dec. Date Analyzed: 03/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

MW1 CW-6

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3388 Location: B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3388.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03121.D

Level: (low/med) LOW Date Received: 03/05/98

% Moisture: not dec. Date Analyzed: 03/09/98

GC Column: Rtx502.2 ID: 0.25 (mm) 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	13.85	38	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

MW2 CW-6

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3388 Location: B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3388.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03122.D

Level: (low/med) LOW Date Received: 03/05/98

% Moisture: not dec. Date Analyzed: 03/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) 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	13.85	12	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

MW3 CW-6

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3388 Location: B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3388.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03123.D

Level: (low/med) LOW Date Received: 03/05/98

% Moisture: not dec. Date Analyzed: 03/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) 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 FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

MW34 CW-6

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3388 Location: B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3388.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03124.D

Level: (low/med) LOW Date Received: 03/05/98

% Moisture: not dec. Date Analyzed: 03/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) 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	18	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID.

TENTATIVELY IDENTIFIED COMPOUNDS

Field Dup CW3-6

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 3388 Location: B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3388.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V03125.D

Level: (low/med) LOW Date Received: 03/05/98

% Moisture: not dec. Date Analyzed: 03/10/98

GC Column: Rtx502.2 ID: 0.25 (mm) 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	8	J

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

Data File Name	**BN1102.D**	Sample Name	**SBLK 34**
Operator	**FITZPATRICK**	Misc Info	**SBLK 34 3-6-98**
Date Acquired	**03/10/98 16:58**	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	**BN1102.D**	Sample Name	**SBLK 34**
Operator	**FITZPATRICK**	Misc Info	**SBLK 34 3-6-98**
Date Acquired	**03/10/98 16:58**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceeded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	**BN1128.D**	Sample Name	**3388.02**
Operator	**FITZPATRICK**	Misc Info	**FIELD BLANK**
Date Acquired	**03/13/98 14:48**	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
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Data File Name	**BN1128.D**	Sample Name	**3388.02**
Operator	**FITZPATRICK**	Misc Info	**FIELD BLANK**
Date Acquired	**03/13/98 14:48**	Sample Multiplier	1

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceeded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	**BN1129.D**	Sample Name	**3388.03**
Operator	**FITZPATRICK**	Misc Info	**MW-1**
Date Acquired	**03/13/98 15:36**	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	**BN1129.D**	Sample Name	**3388.03**
Operator	**FITZPATRICK**	Misc Info	**MW-1**
Date Acquired	**03/13/98 15:36**	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	25.17	55169	1.16 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

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

Data File Name	**BN1130.D**	Sample Name	**3388.04**
Operator	**FITZPATRICK**	Misc Info	**MW-2**
Date Acquired	**03/13/98 16:24**	Sample Multiplier	**1**

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

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Data File Name	**BN1130.D**	Sample Name	**3388.04**
Operator	**FITZPATRICK**	Misc Info	**MW-2**
Date Acquired	**03/13/98 16:24**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceeded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	**BN1132.D**	Sample Name	**3388.05**
Operator	**FITZPATRICK**	Misc Info	**MW-3**
Date Acquired	**03/13/98 17:49**	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	**BN1132.D**	Sample Name	**3388.05**
Operator	**FITZPATRICK**	Misc Info	**MW-3**
Date Acquired	**03/13/98 17:49**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceeded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	**BN1133.D**	Sample Name	**3388.06**
Operator	**FITZPATRICK**	Misc Info	**MW-34**
Date Acquired	**03/13/98 18:31**	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	**BN1133.D**	Sample Name	**3388.06**
Operator	**FITZPATRICK**	Misc Info	**MW-34**
Date Acquired	**03/13/98 18:31**	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	**BN1135.D**	Sample Name	**3388.07**
Operator	**FITZPATRICK**	Misc Info	**FIELD DUP**
Date Acquired	**03/13/98 19:53**	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	**BN1135.D**	Sample Name	**3388.07**
Operator	**FITZPATRICK**	Misc Info	**FIELD DUP**
Date Acquired	**03/13/98 19:53**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceeded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK 34 C(W)-6

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3388 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: SBLK 34

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1102.D

Level: (low/med) LOW Date Received: 03/05/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 03/10/98

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: 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	4.96	11	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD BLANK CW-6

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3388 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3388.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1128.D

Level: (low/med) LOW Date Received: 03/05/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 03/13/98

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW 1 CW-6

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3388 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3388.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1129.D

Level: (low/med) LOW Date Received: 03/05/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 03/13/98

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW 2 CW-6

Lab Name: FMETL Lab Code 13461

Project Case No.: 3388 Location B.2044 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3388.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1130.D

Level: (low/med) LOW Date Received: 03/05/98

% Moisture: decanted: (Y/N) N Date Analyzed: 03/13/98

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW 3 CW-6

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3388 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3388.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1132.D

Level: (low/med) LOW Date Received: 03/05/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 03/13/98

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: 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	4.95	9	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW 34 Clu-6

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3388 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3388.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1133.D

Level: (low/med) LOW Date Received: 03/05/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 03/13/98

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD DUP GW-6

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3388 Location B.2044 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3388.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN1135.D

Level: (low/med) LOW Date Received: 03/05/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 03/13/98

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: 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 # :**	Extraction Blank
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	3/6/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/22/98
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 # :**	3388.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/6/98
	Bldg. 173	**Extraction Date:**	3/3/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/22/98

Analysis:	EPA Method 608	**Location :**	CW-6
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 # :**	3388.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/6/98
	Bldg. 173	**Extraction Date:**	3/3/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/22/98
Analysis:	EPA Method 608	**Location :**	CW-6
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-1
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	29.28	0.20	0.0024	**0.026**
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	32.52	0.10	0.0066	**0.014**
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	30.31	0.50	0.0140	**0.031**
Gamma-chlordane	1	30.14	0.50	0.0140	**0.025**
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 # :**	3388.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/6/98
	Bldg. 173	**Extraction Date:**	3/3/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/22/98

Analysis:	EPA Method 608	**Location :**	CW-6
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-2
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 # :**	3388.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/6/98
	Bldg. 173	**Extraction Date:**	3/3/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/22/98

Analysis:	EPA Method 608	**Location :**	CW-6
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-3
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 # :**	3388.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/6/98
	Bldg. 173	**Extraction Date:**	3/3/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/22/98
Analysis:	EPA Method 608	**Location :**	CW-6
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-34
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 # :**	3388.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/6/98
	Bldg. 173	**Extraction Date:**	3/3/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	3/22/98
Analysis:	EPA Method 608	**Location :**	CW-6
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: 03/05/98
Sample Matrix: Aqueous

Site: CW-6
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	03/19/98	ND	200	20.0
Antimony	03/19/98	ND	20	4.0
Arsenic	03/19/98	ND	8	4.0
Barium	03/19/98	ND	2000	1.0
Beryllium	03/19/98	ND	20	1.0
Cadmium	03/19/98	ND	4	1.0
Calcium	03/19/98	ND	NLE	20.0
Chromium	03/19/98	ND	100	1.0
Cobalt	03/19/98	ND	NLE	1.0
Copper	03/19/98	ND	1000	6.0
Iron	03/19/98	ND	300	10.0
Lead	03/19/98	ND	10	4.0
Magnesium	03/19/98	ND	NLE	20.0
Manganese	03/19/98	ND	50	1.0
Mercury	03/17/98	ND	2	0.2
Nickel	03/19/98	ND	100	1.0
Potassium	03/19/98	ND	NLE	20.0
Selenium	03/19/98	ND	50	6.0
Silver	03/19/98	ND	20	6.0
Sodium	03/19/98	ND	50000	20.0
Thallium	03/19/98	ND	10	6.0
Vanadium	03/19/98	ND	NLE	2.0
Zinc	03/19/98	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 #: 3388.02
Sample Received: 03/05/98
Sample Matrix: Aqueous

Site: CW-6
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	03/19/98	162.0	200	20.0
Antimony	03/19/98	ND	20	4.0
Arsenic	03/19/98	ND	8	4.0
Barium	03/19/98	4.9	2000	1.0
Beryllium	03/19/98	ND	20	1.0
Cadmium	03/19/98	ND	4	1.0
Calcium	03/19/98	981.8	NLE	20.0
Chromium	03/19/98	ND	100	1.0
Cobalt	03/19/98	ND	NLE	1.0
Copper	03/19/98	12.1	1000	6.0
Iron	03/19/98	147.2	300	10.0
Lead	03/19/98	ND	10	4.0
Magnesium	03/19/98	181.8	NLE	20.0
Manganese	03/19/98	3.0	50	1.0
Mercury	03/17/98	ND	2	0.2
Nickel	03/19/98	2.1	100	1.0
Potassium	03/19/98	109.8	NLE	20.0
Selenium	03/19/98	ND	50	6.0
Silver	03/19/98	ND	20	6.0
Sodium	03/19/98	2343	50000	20.0
Thallium	03/19/98	ND	10	6.0
Vanadium	03/19/98	ND	NLE	2.0
Zinc	03/19/98	38.0	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 #: 3388.03
Sample Received: 03/05/98
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: MW-1

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	03/19/98	373.8	200	20.0
Antimony	03/19/98	ND	20	4.0
Arsenic	03/19/98	ND	8	4.0
Barium	03/19/98	9.8	2000	1.0
Beryllium	03/19/98	ND	20	1.0
Cadmium	03/19/98	2.0	4	1.0
Calcium	03/19/98	25000	NLE	20.0
Chromium	03/19/98	ND	100	1.0
Cobalt	03/19/98	1.2	NLE	1.0
Copper	03/19/98	48.5	1000	6.0
Iron	03/19/98	1953	300	10.0
Lead	03/19/98	4.1	10	4.0
Magnesium	03/19/98	5816	NLE	20.0
Manganese	03/19/98	238.2	50	1.0
Mercury	03/17/98	0.5	2	0.2
Nickel	03/19/98	12.5	100	1.0
Potassium	03/19/98	1099	NLE	20.0
Selenium	03/19/98	ND	50	6.0
Silver	03/19/98	ND	20	6.0
Sodium	03/19/98	18070	50000	20.0
Thallium	03/19/98	ND	10	6.0
Vanadium	03/19/98	2.3	NLE	2.0
Zinc	03/19/98	54.4	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 #: 3388.04
Sample Received: 03/05/98
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: MW-2

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	03/19/98	28570	200	20.0
Antimony	03/19/98	ND	20	4.0
Arsenic	03/19/98	17.9	8	4.0
Barium	03/19/98	231.4	2000	1.0
Beryllium	03/19/98	3.0	20	1.0
Cadmium	03/19/98	1.1	4	1.0
Calcium	03/19/98	14320	NLE	20.0
Chromium	03/19/98	5.7	100	1.0
Cobalt	03/19/98	11.8	NLE	1.0
Copper	03/19/98	26.3	1000	6.0
Iron	03/19/98	21390	300	10.0
Lead	03/19/98	67.3	10	4.0
Magnesium	03/19/98	11320	NLE	20.0
Manganese	03/19/98	180.5	50	1.0
Mercury	03/17/98	0.5	2	0.2
Nickel	03/19/98	31.2	100	1.0
Potassium	03/19/98	5721	NLE	20.0
Selenium	03/19/98	ND	50	6.0
Silver	03/19/98	ND	20	6.0
Sodium	03/19/98	30750	50000	20.0
Thallium	03/19/98	ND	10	6.0
Vanadium	03/19/98	14.7	NLE	2.0
Zinc	03/19/98	325.2	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 #: 3388.05
Sample Received: 03/05/98
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: MW-3

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	03/19/98	506.0	200	20.0
Antimony	03/19/98	ND	20	4.0
Arsenic	03/19/98	ND	8	4.0
Barium	03/19/98	27.3	2000	1.0
Beryllium	03/19/98	ND	20	1.0
Cadmium	03/19/98	2.0	4	1.0
Calcium	03/19/98	11660	NLE	20.0
Chromium	03/19/98	ND	100	1.0
Cobalt	03/19/98	2.1	NLE	1.0
Copper	03/19/98	11.4	1000	6.0
Iron	03/19/98	848.4	300	10.0
Lead	03/19/98	ND	10	4.0
Magnesium	03/19/98	2178	NLE	20.0
Manganese	03/19/98	43.0	50	1.0
Mercury	03/17/98	ND	2	0.2
Nickel	03/19/98	6.9	100	1.0
Potassium	03/19/98	639.6	NLE	20.0
Selenium	03/19/98	ND	50	6.0
Silver	03/19/98	ND	20	6.0
Sodium	03/19/98	10780	50000	20.0
Thallium	03/19/98	ND	10	6.0
Vanadium	03/19/98	ND	NLE	2.0
Zinc	03/19/98	87.7	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 #: 3388.06
Sample Received: 03/05/98
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: MW-34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	03/19/98	385.6	200	20.0
Antimony	03/19/98	ND	20	4.0
Arsenic	03/19/98	ND	8	4.0
Barium	03/19/98	36.0	2000	1.0
Beryllium	03/19/98	ND	20	1.0
Cadmium	03/19/98	ND	4	1.0
Calcium	03/19/98	9775	NLE	20.0
Chromium	03/19/98	ND	100	1.0
Cobalt	03/19/98	1.6	NLE	1.0
Copper	03/19/98	9.5	1000	6.0
Iron	03/19/98	2212	300	10.0
Lead	03/19/98	ND	10	4.0
Magnesium	03/19/98	2599	NLE	20.0
Manganese	03/19/98	34.7	50	1.0
Mercury	03/17/98	ND	2	0.2
Nickel	03/19/98	4.9	100	1.0
Potassium	03/19/98	3600	NLE	20.0
Selenium	03/19/98	ND	50	6.0
Silver	03/19/98	ND	20	6.0
Sodium	03/19/98	15940	50000	20.0
Thallium	03/19/98	ND	10	6.0
Vanadium	03/19/98	ND	NLE	2.0
Zinc	03/19/98	154.8	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 #: 3388.07
Sample Received: 03/05/98
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: Field Dup.

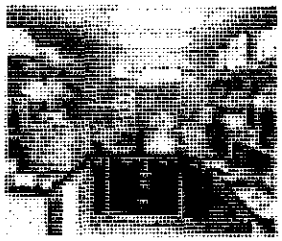
TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	03/19/98	421.0	200	20.0
Antimony	03/19/98	ND	20	4.0
Arsenic	03/19/98	ND	8	4.0
Barium	03/19/98	27.3	2000	1.0
Beryllium	03/19/98	ND	20	1.0
Cadmium	03/19/98	2.3	4	1.0
Calcium	03/19/98	12220	NLE	20.0
Chromium	03/19/98	ND	100	1.0
Cobalt	03/19/98	2.2	NLE	1.0
Copper	03/19/98	13.9	1000	6.0
Iron	03/19/98	1286	300	10.0
Lead	03/19/98	ND	10	4.0
Magnesium	03/19/98	2369	NLE	20.0
Manganese	03/19/98	40.3	50	1.0
Mercury	03/17/98	ND	2	0.2
Nickel	03/19/98	4.0	100	1.0
Potassium	03/19/98	652.4	NLE	20.0
Selenium	03/19/98	ND	50	6.0
Silver	03/19/98	ND	20	6.0
Sodium	03/19/98	13150	50000	20.0
Thallium	03/19/98	ND	10	6.0
Vanadium	03/19/98	ND	NLE	2.0
Zinc	03/19/98	84.4	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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3650.03	MW-01	29-30970	06/15/98
3650.04	MW-02	29-30971	06/15/98
3650.05	MW-03	29-30972	06/15/98
3650.06	MW-34	29-32599	06/15/98

NJDEP Laboratory Certification # 13461

Report Date: 31 July, 1998

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

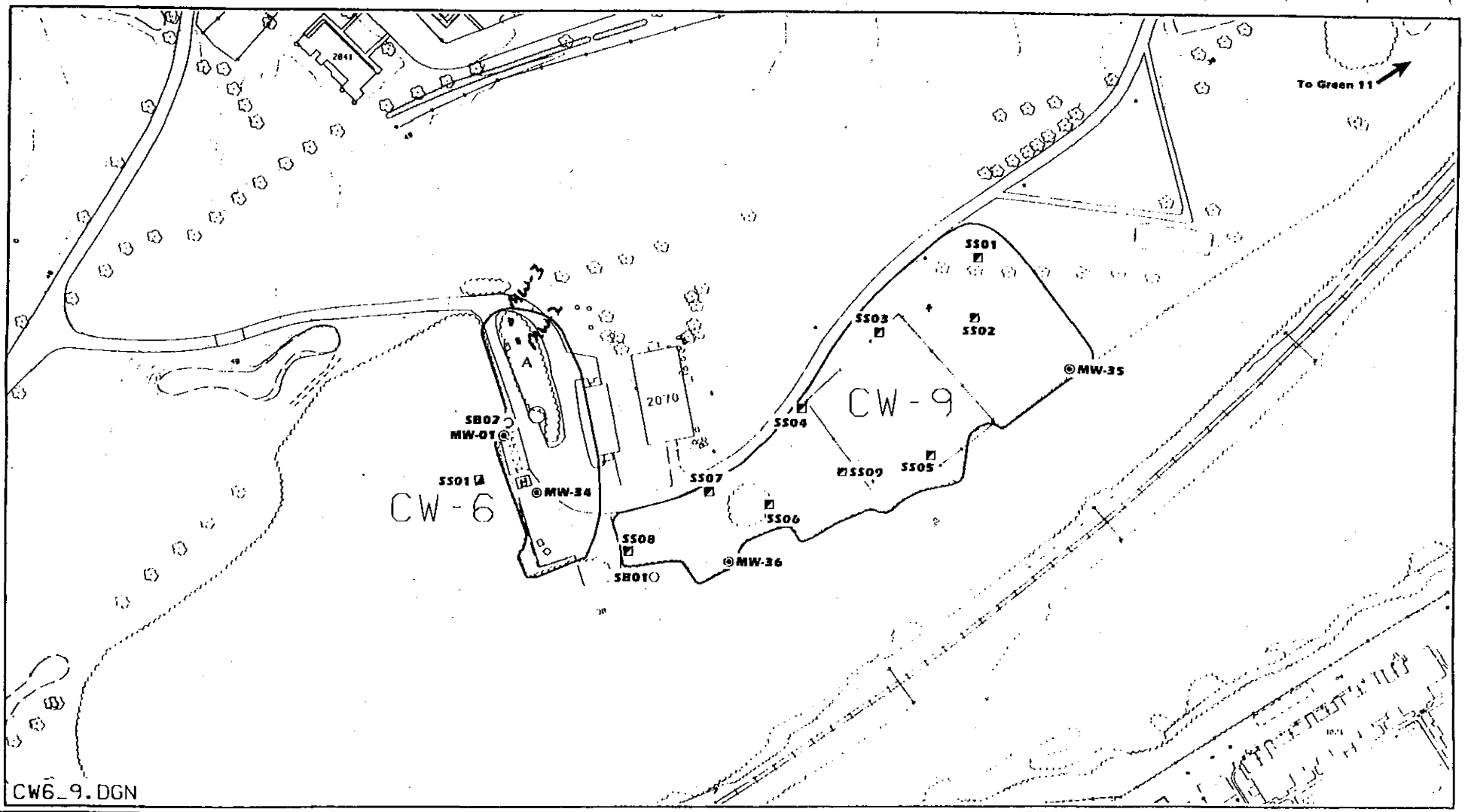
Customer: J. Fallon
Phone #: 426223
(✓)DERA ( )OMA ( )Other:_____
Project No:
Location: Cw-6 (2014) MW
Samplers Name / Company : Cory McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA +15	BNA +25	Pest/PCB	TAL Metals				Haz Analysis	Comments: Remarks / Preservation Method
36650 01	Trip Blank	6/15/98	0710	Aq	2	✓								HCL/HNO3/4°C
.02	Field Blank		0950		5	✓	✓	✓	✓					well IDs
.03	MW-01		1328		5	✓	✓	✓	✓				✓	0.0 ppm 29-30470
.04	MW-02		1031		5	✓	✓	✓	✓				✓	0.0 ppm 29-30971
.05	MW-03		1228		5	✓	✓	✓	✓				✓	0.0 ppm 29-30772
.06	MW-34		1041		5	✓	✓	✓	✓				✓	0.0 ppm 29-32549
.07	Field Dup		—		5	✓	✓	✓	✓					
											well IDs			DTW:
											29-32600			MW-35 : 5.54 ft
											29-32601			MW-36 : 3.65 ft

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Cory McCormack	6/15/98 1430	J. Velgura			
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:



LEGEND

Soil Boring
Monitor Well
Surface Soil Sampling Location
Road (paved)
Road/Trail (unpaved)
Fence
Building
Wooded Area
Tree/Bush
Light Pole
Utility Pole
Site
Boundary
Base Boundary
Marshy Area
Approximate Boundary

0 100 200
SCALE IN FEET

Fort Monmouth, Charles Wood

FIGURE 4.3-13
PESTICIDE STORAGE BUILDING (CW-6) AND SLUDGE DUMP (CW-9) SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 1
NJDEP ID #: 29-30970
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06 / 15 / 98
WEATHER: Overcast, rainy

ELEV. OF CASING SURVEY MARK: 35.06 ft
DEPTH TO WATER: 3.47 ft
DEPTH OF WELL: 17.78 ft
HEIGHT OF WATER: 14.31 ft
(14.31) X .65 X 3 = 27.90
GALLONS OF H2O TO BE PURGED: 28 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.11 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 0933
pH 6.93 su TEMP 17.1 °C
DISSOLVED O2 5.0 ppm SPECIFIC CONDUCTIVITY 80 us/cm

PURGE END TIME: 1328
pH 6.75 su TEMP 16.4 °C
DISSOLVED O2 4.7 ppm SPECIFIC CONDUCTIVITY 80 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 3.55 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER

TOTAL VOLUME PURGED: 28 gal

pH 6.80 su TEMP 16.2 °C
DISSOLVED O2 4.1 ppm SPECIFIC CONDUCTIVITY 80 us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW -6 (2044)
MW#: 2
NJDEP ID #: 29-30971
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06 / 15 / 98
WEATHER: Cloudy, some sun, warm

ELEV. OF CASING SURVEY MARK: 35.05 ft
DEPTH TO WATER: 3.06 ft
DEPTH OF WELL: 13.21 ft
HEIGHT OF WATER: 10.15 ft
(10.15) X .65 X 3 = 19.79
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.28 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 0921
pH 6.87 su TEMP 18.2 °C
DISSOLVED O2 1.6 ppm SPECIFIC CONDUCTIVITY 80 us/cm

PURGE END TIME: 1031
pH 6.37 su TEMP 15.0 °C
DISSOLVED O2 5.7 ppm SPECIFIC CONDUCTIVITY 90 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 4.74 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER

TOTAL VOLUME PURGED: 20 gal

pH 6.19 su TEMP 15.1 °C
DISSOLVED O2 2.0 ppm SPECIFIC CONDUCTIVITY 90 us/cm

COMMENTS: May have silted bottom. Very cloudy samples even after settling.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 3
NJDEP ID #: 29-30972
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06 / 15 / 98
WEATHER: Overcast, rainy, warm

ELEV. OF CASING SURVEY MARK: 36.34 ft
DEPTH TO WATER: 3.98 ft
DEPTH OF WELL: 17.78 ft
HEIGHT OF WATER: 13.80 ft
(13.80) X .65 X 3 = 26.91
GALLONS OF H2O TO BE PURGED: 27 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.13 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 0905
pH 6.12 su TEMP 16.7 °C
DISSOLVED O2 2.7 ppm SPECIFIC CONDUCTIVITY 80 us/cm

PURGE END TIME: 1228
pH 6.21 su TEMP 16.4 °C
DISSOLVED O2 2.5 ppm SPECIFIC CONDUCTIVITY 80 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 4.34 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER

TOTAL VOLUME PURGED: 27 gal

pH 6.17 su TEMP 16.5 °C
DISSOLVED O2 2.4 ppm SPECIFIC CONDUCTIVITY 80 us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 35 * **Depth to water only.**
NJDEP ID #: 29-32600
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06 / 15 / 98
WEATHER: Cloudy , light rain.

ELEV. OF CASING SURVEY MARK: 31.43 ft
DEPTH TO WATER: 5.54 ft
DEPTH OF WELL: ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =
GALLONS OF H2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: gpm
Hnu READING: ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER

TOTAL VOLUME PURGED: gal

pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 36 *** Depth to water only.**
NJDEP ID #: 29-32601
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06 / 15 / 98
WEATHER: Cloudy, light rain.

ELEV. OF CASING SURVEY MARK: 33.21 ft
DEPTH TO WATER: 3.65 ft
DEPTH OF WELL: 16.77 ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =
GALLONS OF H2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: gpm
Hnu READING: ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ®
BAILER

TOTAL VOLUME PURGED: gal

pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY 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	vb00757.d	Sample Name	VBLK20
Operator	Skelton	Field ID	VBLK20
Date Acquired	22 Jun 1998 9:43 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	**vb00763.d**	Sample Name	**3650.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**22 Jun 1998 2:40 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
107028	Acrolein			not detected	nle	6.25 ug/L	
107131	Acrylonitrile			not detected	nle	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	30	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.61 ug/L	
74-83-9	Bromomethane			not detected	10	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.74 ug/L	
67-64-1	Acetone	10.48	65346	10.80 ug/L	700	1.57 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.54 ug/L	
75-09-2	Methylene Chloride	12.81	249767	12.32 ug/L	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	17.69	83997	2.53 ug/L	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	**vb00764.d**	Sample Name	**3650.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**22 Jun 1998 3:27 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	17.69	73282	2.26 ug/L	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	**vb00765.d**	Sample Name	**3650.03**
Operator	**Skelton**	Field ID	**MW01**
Date Acquired	**22 Jun 1998 4:14 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	**vb00766.d**	Sample Name	**3650.04**
Operator	**Skelton**	Field ID	**MW02**
Date Acquired	**22 Jun 1998 5:00 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	GW Criteria	MDL	Qualifiers
107028	Acrolein			not detected	nle	6.25 ug/L	
107131	Acrylonitrile			not detected	nle	6.25 ug/L	
75650	tert-Butyl alcohol			not detected	nle	12.50 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	2.50 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	3.63 ug/L	
74-87-3	Chloromethane			not detected	30	0.79 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.61 ug/L	
74-83-9	Bromomethane			not detected	10	1.45 ug/L	
75-00-3	Chloroethane			not detected	nle	2.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.31 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.74 ug/L	
67-64-1	Acetone	10.51	29606	5.00 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	17.69	36853	1.14 ug/L	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

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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	**vb00767.d**	Sample Name	**3650.05**
Operator	**Skelton**	Field ID	**MW03**
Date Acquired	**22 Jun 1998 5:48 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	**vb00768.d**	Sample Name	**3650.06**
Operator	**Skelton**	Field ID	**MW34**
Date Acquired	**22 Jun 1998 6:36 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

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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	vb00769.d	Sample Name	3650.07
Operator	Skelton	Field ID	Field Dup
Date Acquired	22 Jun 1998 7:24 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

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R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **VBLK20**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 3650 SDG No Location CW-6

Matrix: (soil/water) WATER Lab Sample ID: VBLK20

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB00757.D

Level: (low/med) LOW Date Received: 06/15/98

% Moisture: not dec. Date Analyzed: 06/22/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Trip Blank

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 3650 SDG No Location CW-6

Matrix: (soil/water) WATER Lab Sample ID: 3650.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB00763.D

Level: (low/med) LOW Date Received: 06/15/98

% Moisture: not dec. Date Analyzed: 06/22/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 3650 SDG No Location CW-6

Matrix: (soil/water) WATER Lab Sample ID: 3650.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB00764.D

Level: (low/med) LOW Date Received: 06/15/98

% Moisture: not dec. Date Analyzed: 06/22/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW01

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 3650 SDG No Location CW-6

Matrix: (soil/water) WATER Lab Sample ID: 3650.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB00765.D

Level: (low/med) LOW Date Received: 06/15/98

% Moisture: not dec. Date Analyzed: 06/22/98

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: **MW02**

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 3650 SDG No Location CW-6

Matrix: (soil/water) WATER Lab Sample ID: 3650.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB00766.D

Level: (low/med) LOW Date Received: 06/15/98

% Moisture: not dec. Date Analyzed: 06/22/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW34

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 3650 SDG No Location CW-6

Matrix: (soil/water) WATER Lab Sample ID: 3650.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB00768.D

Level: (low/med) LOW Date Received: 06/15/98

% Moisture: not dec. Date Analyzed: 06/22/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Dupe

Lab Name: FMETL Project

NJDEP# 13461 Case No.: 3650 SDG No Location CW-6

Matrix: (soil/water) WATER Lab Sample ID: 3650.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB00769.D

Level: (low/med) LOW Date Received: 06/15/98

% Moisture: not dec. Date Analyzed: 06/22/98

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	**bn2005.d**	Sample Name	**SBLK 91**
Operator	**FITZPATRICK**	Misc Info	**SBLK 91**
Date Acquired	**22 Jun 98 9:00 pm**	Sample Multiplier	**1**

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

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Data File Name	**bn2005.d**	Sample Name	**SBLK 91**
Operator	**FITZPATRICK**	Misc Info	**SBLK 91**
Date Acquired	**22 Jun 98 9:00 pm**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	**bn2007.d**	Sample Name	**3650.02**
Operator	**FITZPATRICK**	Misc Info	**FIELD BLANK**
Date Acquired	**22 Jun 98 10:29 pm**	Sample Multiplier	**1**

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

Semi-Volatile Analysis Report
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Data File Name	**bn2007.d**	Sample Name	**3650.02**
Operator	**FITZPATRICK**	Misc Info	**FIELD BLANK**
Date Acquired	**22 Jun 98 10:29 pm**	Sample Multiplier	1

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	bn2008.d	Sample Name	3650.03
Operator	FITZPATRICK	Misc Info	MW-01
Date Acquired	22 Jun 98 11:14 pm	Sample Multiplier	1

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

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Data File Name	**bn2008.d**	Sample Name	**3650.03**
Operator	**FITZPATRICK**	Misc Info	**MW-01**
Date Acquired	**22 Jun 98 11:14 pm**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceeded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	**bn2009.d**	Sample Name	**3650.04**
Operator	**FITZPATRICK**	Misc Info	**MW-02**
Date Acquired	**23 Jun 98 12:00 am**	Sample Multiplier	**1**

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

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Data File Name	**bn2009.d**	Sample Name	**3650.04**
Operator	**FITZPATRICK**	Misc Info	**MW-02**
Date Acquired	**23 Jun 98 12:00 am**	Sample Multiplier	1

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	**bn2010.d**	Sample Name	**3650.05**
Operator	**FITZPATRICK**	Misc Info	**MW-03**
Date Acquired	**23 Jun 98 12:46 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	**bn2010.d**	Sample Name	**3650.05**
Operator	**FITZPATRICK**	Misc Info	**MW-03**
Date Acquired	**23 Jun 98 12:46 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	**bn2011.d**	Sample Name	**3650.06**
Operator	**FITZPATRICK**	Misc Info	**MW-34**
Date Acquired	**23 Jun 98 1:32 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	**bn2011.d**	Sample Name	**3650.06**
Operator	**FITZPATRICK**	Misc Info	**MW-34**
Date Acquired	**23 Jun 98 1:32 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	**BN2012.D**	Sample Name	**3650.07**
Operator	**FITZPATRICK**	Misc Info	**FIELD DUP**
Date Acquired	**23 Jun 98 2:18 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	**BN2012.D**	Sample Name	**3650.07**
Operator	**FITZPATRICK**	Misc Info	**FIELD DUP**
Date Acquired	**23 Jun 98 2:18 am**	Sample Multiplier	**1**

121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

Qualifiers

E = Value exceded linear range

D = Value from dilution

B = Compound in related blank

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK 91

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3650 Location CW-6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: SBLK 91

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN2005.D

Level: (low/med) LOW Date Received: 06/15/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.41	24	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD BLANK

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3650 Location CW-6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3650.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN2007.D

Level: (low/med) LOW Date Received: 06/15/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-02

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3650 Location CW-6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3650.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN2009.D

Level: (low/med) LOW Date Received: 06/15/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/23/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-03

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3650 Location CW-6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3650.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN2010.D

Level: (low/med) LOW Date Received: 06/15/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/23/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-34

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3650 Location CW-6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3650.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN2011.D

Level: (low/med) LOW Date Received: 06/15/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/23/98

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.	000079-01-6	Trichloroethylene	3.69	15	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD DUP

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3650 Location CW-6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3650.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN2012.D

Level: (low/med) LOW Date Received: 06/15/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/16/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/23/98

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 # :**	BLK116
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	6/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/17/98
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	0.0030	**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 # :**	3650.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/15/98
	Bldg. 173	**Extraction Date:**	6/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/17/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
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 # :**	3650.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/15/98
	Bldg. 173	**Extraction Date:**	6/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/17/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-01
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	17.11	0.20	0.0009	**0.020**
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	17.74	0.50	0.0011	**0.054**
Gamma-chlordane	1	17.41	0.50	0.0009	**0.031**
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 # :**	3650.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/15/98
	Bldg. 173	**Extraction Date:**	6/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/17/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-02
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 # :**	3650.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/15/98
	Bldg. 173	**Extraction Date:**	6/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/17/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-03
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 # :**	3650.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/15/98
	Bldg. 173	**Extraction Date:**	6/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/17/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-34
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	18.09	0.40	0.0057	**0.011**
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 # :**	3650.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/15/98
	Bldg. 173	**Extraction Date:**	6/16/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	7/17/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
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	18.09	0.40	0.0057	0.011
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 #: 3650
Sample Received: 06/15/98
Sample Preparation: 06/18/98
Sample Matrix: Aqueous

Site: 2700 CW-6 (2044)
Ft. Monmouth, New Jersey

METHOD BLANK SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	06/22/98	ND	200	10.0
Antimony	06/22/98	2.6	20	2.0
Arsenic	06/22/98	ND	8	2.0
Barium	06/22/98	ND	2000	0.5
Beryllium	06/22/98	ND	20	0.5
Cadmium	06/22/98	ND	4	0.5
Calcium	06/22/98	ND	NLE	20.0
Chromium	06/22/98	ND	100	0.5
Cobalt	06/22/98	ND	NLE	0.5
Copper	06/22/98	ND	1000	3.0
Iron	06/22/98	ND	300	10.0
Lead	06/22/98	ND	10	2.0
Magnesium	06/22/98	ND	NLE	20.0
Manganese	06/22/98	ND	50	0.5
Mercury	06/17/98	ND	2	0.2
Nickel	06/22/98	2.5	100	0.5
Potassium	06/22/98	ND	NLE	20.0
Selenium	06/22/98	ND	50	3.0
Silver	06/22/98	ND	20	3.0
Sodium	06/22/98	ND	50000	20.0
Thallium	06/22/98	ND	10	3.0
Vanadium	06/22/98	ND	NLE	1.0
Zinc	06/22/98	ND	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 #: 3650.02
Sample Received: 06/15/98
Sample Matrix: Aqueous

Site: 2700 CW-6 (2044)
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	06/22/98	ND	200	10.0
Antimony	06/22/98	ND	20	2.0
Arsenic	06/22/98	ND	8	2.0
Barium	06/22/98	ND	2000	0.5
Beryllium	06/22/98	ND	20	0.5
Cadmium	06/22/98	ND	4	0.5
Calcium	06/22/98	108	NLE	20.0
Chromium	06/22/98	ND	100	0.5
Cobalt	06/22/98	ND	NLE	0.5
Copper	06/22/98	ND	1000	3.0
Iron	06/22/98	13	300	10.0
Lead	06/22/98	ND	10	2.0
Magnesium	06/22/98	ND	NLE	20.0
Manganese	06/22/98	ND	50	0.5
Mercury	06/17/98	ND	2	0.2
Nickel	06/22/98	1.4	100	0.5
Potassium	06/22/98	ND	NLE	20.0
Selenium	06/22/98	ND	50	3.0
Silver	06/22/98	ND	20	3.0
Sodium	06/22/98	637	50000	20.0
Thallium	06/22/98	ND	10	3.0
Vanadium	06/22/98	ND	NLE	1.0
Zinc	06/22/98	4.9	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 #: 3650.03
Sample Received: 06/15/98
Sample Matrix: Aqueous

Site: 2700 CW-6 (2044)
Ft. Monmouth, New Jersey

Field ID#: MW-01

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	06/22/98	541	200	10.0
Antimony	06/22/98	ND	20	2.0
Arsenic	06/22/98	5.1	8	2.0
Barium	06/22/98	8.1	2000	0.5
Beryllium	06/22/98	ND	20	0.5
Cadmium	06/22/98	2.1	4	0.5
Calcium	06/22/98	29920	NLE	20.0
Chromium	06/22/98	ND	100	0.5
Cobalt	06/22/98	1.2	NLE	0.5
Copper	06/22/98	102	1000	3.0
Iron	06/22/98	2414	300	10.0
Lead	06/22/98	2.7	10	2.0
Magnesium	06/22/98	6636	NLE	20.0
Manganese	06/22/98	255	50	0.5
Mercury	06/17/98	0.6	2	0.2
Nickel	06/22/98	13.3	100	0.5
Potassium	06/22/98	1838	NLE	20.0
Selenium	06/22/98	ND	50	3.0
Silver	06/22/98	ND	20	3.0
Sodium	06/22/98	20990	50000	20.0
Thallium	06/22/98	ND	10	3.0
Vanadium	06/22/98	6.8	NLE	1.0
Zinc	06/22/98	39.6	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 #: 3650.04
Sample Received: 06/15/98
Sample Matrix: Aqueous

Site: 2700 CW-6 (2044)
Ft. Monmouth, New Jersey

Field ID#: MW-02

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	06/22/98	37960	200	10.0
Antimony	06/22/98	ND	20	2.0
Arsenic	06/22/98	48.1	8	2.0
Barium	06/22/98	467	2000	0.5
Beryllium	06/22/98	5.6	20	0.5
Cadmium	06/22/98	1.2	4	0.5
Calcium	06/22/98	25710	NLE	20.0
Chromium	06/22/98	25.1	100	0.5
Cobalt	06/22/98	16	NLE	0.5
Copper	06/22/98	32	1000	3.0
Iron	06/22/98	41540	300	10.0
Lead	06/22/98	178	10	2.0
Magnesium	06/22/98	15120	NLE	20.0
Manganese	06/22/98	337	50	0.5
Mercury	06/17/98	0.2	2	0.2
Nickel	06/22/98	36.4	100	0.5
Potassium	06/22/98	11200	NLE	20.0
Selenium	06/22/98	ND	50	3.0
Silver	06/22/98	ND	20	3.0
Sodium	06/22/98	46240	50000	20.0
Thallium	06/22/98	ND	10	3.0
Vanadium	06/22/98	29.6	NLE	1.0
Zinc	06/22/98	437	5000	1.0

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

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

Lab ID #: 3650.05
Sample Received: 06/15/98
Sample Matrix: Aqueous

Site: 2700 CW-6 (2044)
Ft. Monmouth, New Jersey

Field ID#: MW-03

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	06/22/98	335	200	10.0
Antimony	06/22/98	ND	20	2.0
Arsenic	06/22/98	ND	8	2.0
Barium	06/22/98	19.1	2000	0.5
Beryllium	06/22/98	ND	20	0.5
Cadmium	06/22/98	0.7	4	0.5
Calcium	06/22/98	9745	NLE	20.0
Chromium	06/22/98	ND	100	0.5
Cobalt	06/22/98	1.2	NLE	0.5
Copper	06/22/98	ND	1000	3.0
Iron	06/22/98	1165	300	10.0
Lead	06/22/98	2.8	10	2.0
Magnesium	06/22/98	1548	NLE	20.0
Manganese	06/22/98	29.1	50	0.5
Mercury	06/17/98	ND	2	0.2
Nickel	06/22/98	4.3	100	0.5
Potassium	06/22/98	632	NLE	20.0
Selenium	06/22/98	ND	50	3.0
Silver	06/22/98	ND	20	3.0
Sodium	06/22/98	10860	50000	20.0
Thallium	06/22/98	ND	10	3.0
Vanadium	06/22/98	ND	NLE	1.0
Zinc	06/22/98	56.2	5000	1.0

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

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

Lab ID #: 3650.06
Sample Received: 06/15/98
Sample Matrix: Aqueous

Site: 2700 CW-6 (2044)
Ft. Monmouth, New Jersey

Field ID#: MW-34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	06/22/98	204	200	10.0
Antimony	06/22/98	ND	20	2.0
Arsenic	06/22/98	ND	8	2.0
Barium	06/22/98	18.2	2000	0.5
Beryllium	06/22/98	ND	20	0.5
Cadmium	06/22/98	0.6	4	0.5
Calcium	06/22/98	11250	NLE	20.0
Chromium	06/22/98	ND	100	0.5
Cobalt	06/22/98	0.9	NLE	0.5
Copper	06/22/98	5.2	1000	3.0
Iron	06/22/98	2624	300	10.0
Lead	06/22/98	ND	10	2.0
Magnesium	06/22/98	2245	NLE	20.0
Manganese	06/22/98	37.9	50	0.5
Mercury	06/17/98	ND	2	0.2
Nickel	06/22/98	6.8	100	0.5
Potassium	06/22/98	6526	NLE	20.0
Selenium	06/22/98	ND	50	3.0
Silver	06/22/98	ND	20	3.0
Sodium	06/22/98	15380	50000	20.0
Thallium	06/22/98	ND	10	3.0
Vanadium	06/22/98	1.4	NLE	1.0
Zinc	06/22/98	75.0	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

Lab ID #: 3650.07
Sample Received: 06/15/98
Sample Matrix: Aqueous

Site: 2700 CW-6 (2044)
Ft. Monmouth, New Jersey

Field ID#: Field Dupe

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	06/22/98	242	200	10.0
Antimony	06/22/98	ND	20	2.0
Arsenic	06/22/98	ND	8	2.0
Barium	06/22/98	17.8	2000	0.5
Beryllium	06/22/98	ND	20	0.5
Cadmium	06/22/98	0.7	4	0.5
Calcium	06/22/98	11280	NLE	20.0
Chromium	06/22/98	ND	100	0.5
Cobalt	06/22/98	0.9	NLE	0.5
Copper	06/22/98	5.8	1000	3.0
Iron	06/22/98	2335	300	10.0
Lead	06/22/98	ND	10	2.0
Magnesium	06/22/98	2211	NLE	20.0
Manganese	06/22/98	37.4	50	0.5
Mercury	06/17/98	ND	2	0.2
Nickel	06/22/98	13.6	100	0.5
Potassium	06/22/98	6481	NLE	20.0
Selenium	06/22/98	ND	50	3.0
Silver	06/22/98	ND	20	3.0
Sodium	06/22/98	15730	50000	20.0
Thallium	06/22/98	ND	10	3.0
Vanadium	06/22/98	1.3	NLE	1.0
Zinc	06/22/98	88.8	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

	Lab	Silanol, trimethyl-	Di-n-butyl phthalate	Butyl benzyl phthalate	bis(2-Ethylhexyl) phthalate	Unknown Hydro carbon	Hexadeca noic Acid	Nonana mide	Hepta chlor Epoxide	4,4'DDD	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	NLE	900	100	30	NLE	NLE	NLE	0.2	0.1	-
04/30/97	FMETL	33	ND	0.65	ND	ND	10	13	0.029	0.026	V,S,P,M
09/02/97	FMETL	ND	ND	ND	ND	24	ND	ND	0.035	0.027	V,S,P,M
12/01/97	FMETL	ND	1.88	ND	ND	ND	ND	ND	0.024	0.023	V,S.P.M
03/05/98	FMETL	ND	ND	ND	1.16	ND	ND	ND	0.026	0.014	V,S,P,M
06/15/98	FMETL	ND	ND	ND	ND	ND	ND	ND	0.020	ND	V,S,P,M

SOURCE: MW1

Sampling Dates:
04/30/97 - 06/15/98

NOTES:

Page 1 of 2.

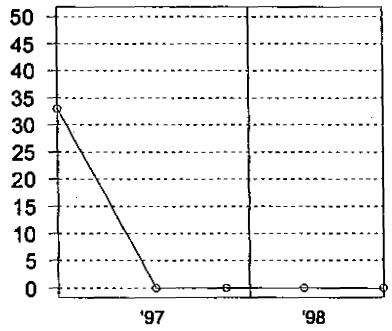
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

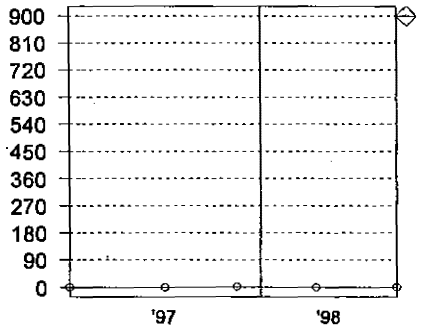
Well 1 of 4

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

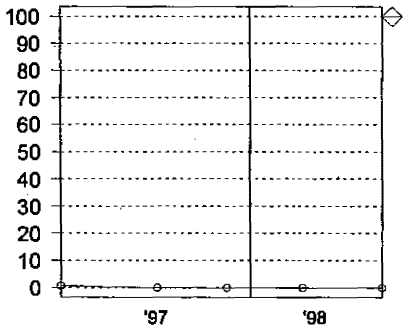
Silanol, trimethyl-
(ug/l)



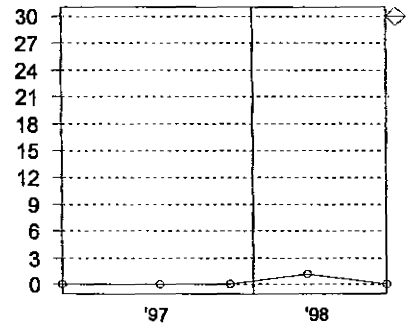
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(ug/l)



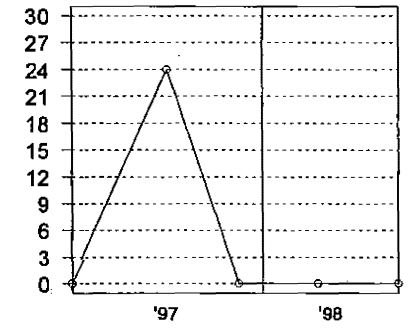
Butylbenzylphthalate
(ug/l)



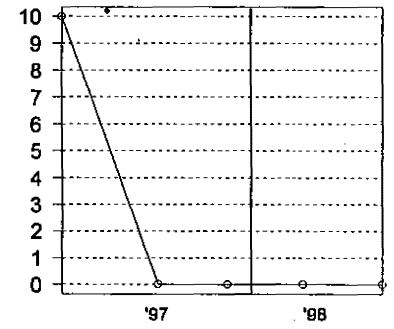
bis(2-ethylhexyl)phthalate
(ug/l)



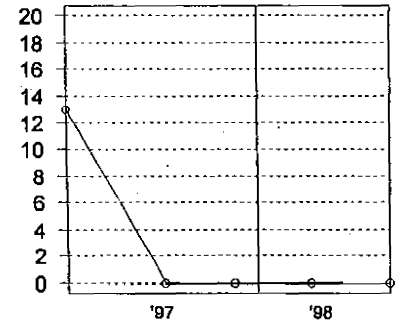
Unknown Hydrocarbon
(ug/l)



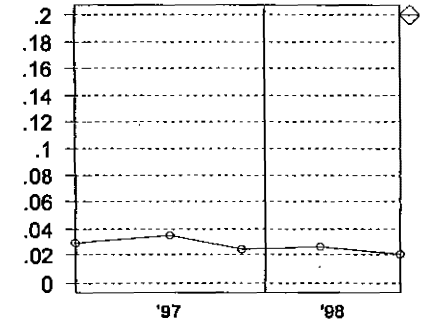
Hexadecanoic Acid
(ug/l)



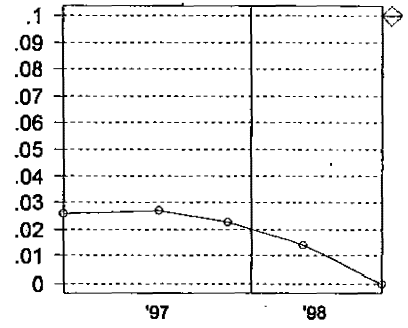
Nonanamide
(ug/l)



Heptachlor Epoxide
(ug/l)



4,4'DDD
(ug/l)



SOURCE: MW1

Sampling Dates:
04/30/97 - 06/15/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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

08-12-1998 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	0.5	0.5	200	8	300	20	50000	-		-
04/30/97	FMETL	0.057	0.038	290	2.0	1880	21	24000	3.60		V,S,P,M
09/02/97	FMETL	0.096	0.054	361	4.0	790	6.0	23730	4.80		V,S,P,M
12/01/97	FMETL	0.057	0.025	303	ND	468	ND	17300	4.20		V,S.P.M
03/05/98	FMETL	0.031	0.025	374	ND	1953	ND	18070	3.38		V,S,P,M
06/15/98	FMETL	0.054	0.031	541	5.1	2414	ND	20990	3.47		V,S,P,M

SOURCE: MW1

Sampling Dates:
04/30/97 - 06/15/98

NOTES:

Page 2 of 2.

FORT MONMOUTH

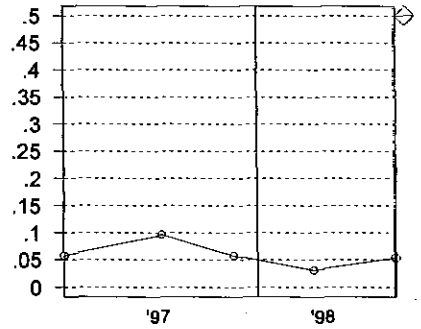
GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4

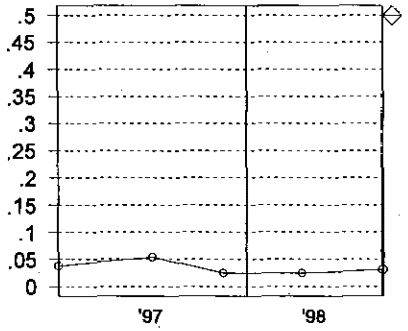
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

08-12-1998 c:\mtech46\fm\2044a\gw\2044.wsf

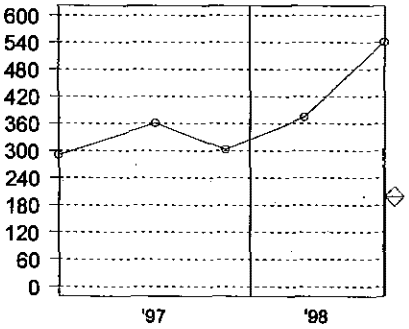
Alpha-chlordane (ug/l)



Gamma-chlordane (ug/l)



Aluminum (ug/l)



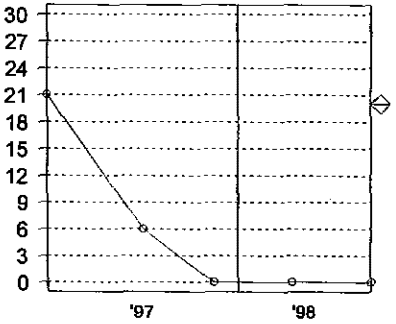
Arsenic (ug/l)



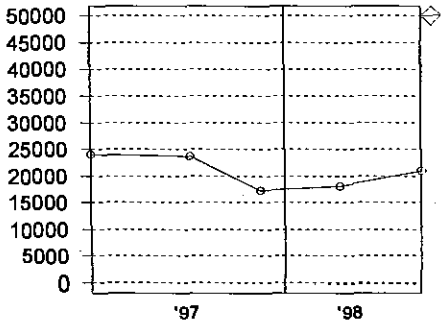
Iron (ug/l)



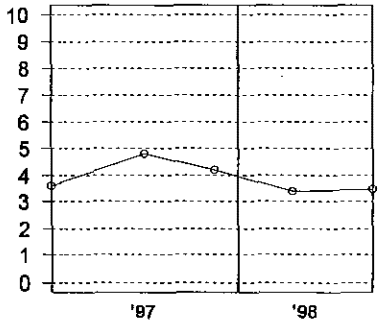
Silver (ug/l)



Sodium (ug/l)



Depth to Water (Feet)



SOURCE: MW1

Sampling Dates:
04/30/97 - 06/15/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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

08-12-1998 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Di-n-butyl phthalate	Butyl benzyl phthalate	bis(2-Ethylhexyl) phthalate	Unknown Hydro carbon	Hexadecanoic Acid	Hexadecanamide	Nonanamide	Aluminum	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	900	100	30	NLE	NLE	NLE	NLE	200	8	-
04/30/97	FMETL	81	19	5	ND	20	150	34	260	22	V,S,P,M
08/29/97	FMETL	ND	ND	ND	69	ND	ND	ND	2600	6	V,S,P,M
12/01/97	FMETL	1.12	ND	ND	ND	ND	ND	ND	10060	7	V,S,P,M
03/05/98	FMETL	ND	ND	ND	ND	ND	ND	ND	28570	17.9	V,S,P,M
06/15/98	FMETL	ND	ND	ND	ND	ND	ND	ND	37960	48.1	V,S,P,M

SOURCE: MW2

Sampling Dates:
04/30/97 - 06/15/98

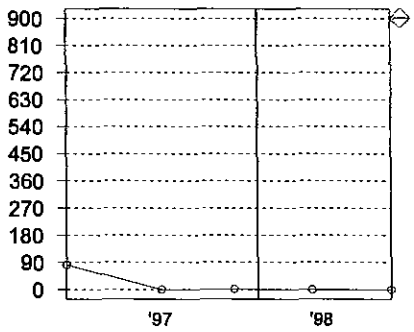
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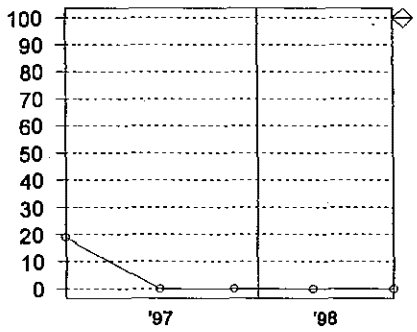
FORT MONMOUTH

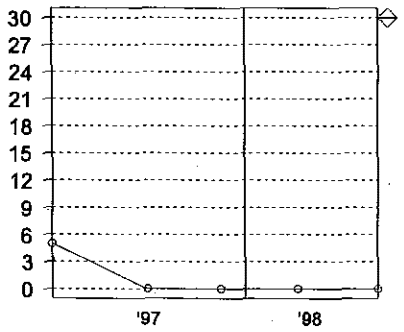
GW MONITORING
CW-6 Bldg. 2044

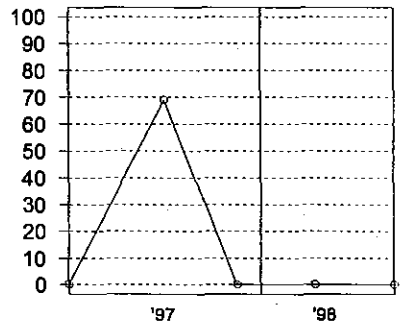
Well 2 of 4

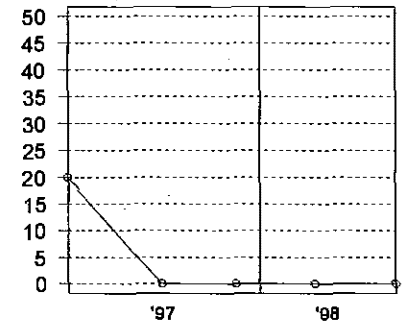
U.S. ARMY
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SELFM-PW-EV

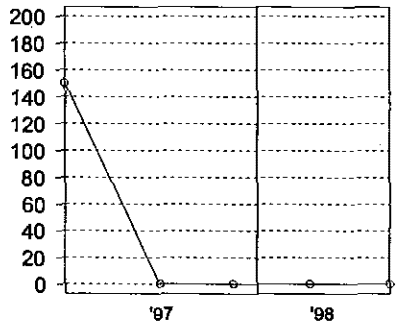


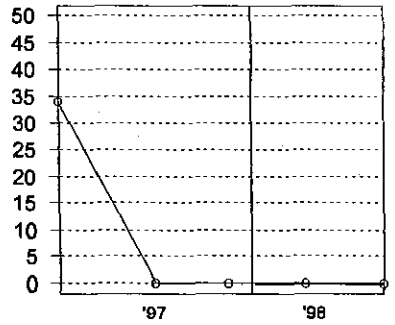


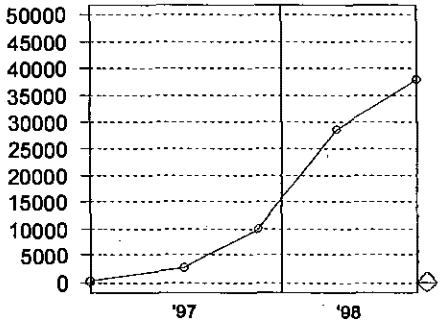


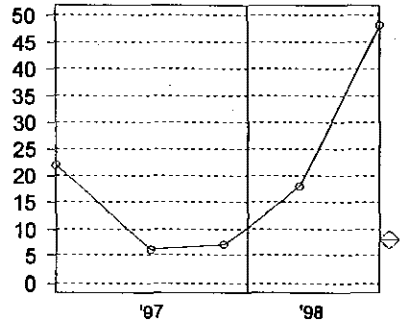












SOURCE: MW2

Sampling Dates:
04/30/97 - 06/15/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4, Graph

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

08-12-1998 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Iron	Silver	Sodium	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	300	20	50000	-						-
04/30/97	FMETL	76000	89	104500	3.03						V,S,P,M
08/29/97	FMETL	7140	ND	48940	5.80						V,S,P,M
12/01/97	FMETL	9940	ND	21000	4.10						V,S,P,M
03/05/98	FMETL	21390	ND	30750	2.81						V,S,P,M
06/15/98	FMETL	41540	ND	46240	3.06						V,S,P,M

SOURCE: MW2

Sampling Dates:
04/30/97 - 06/15/98

NOTES:

Page 2 of 2.

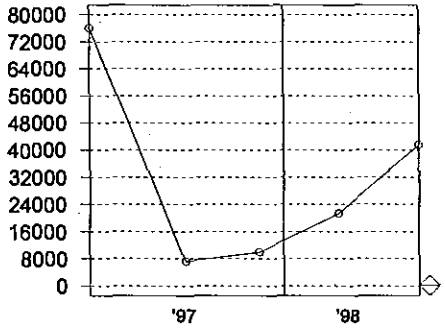
FORT MONMOUTH

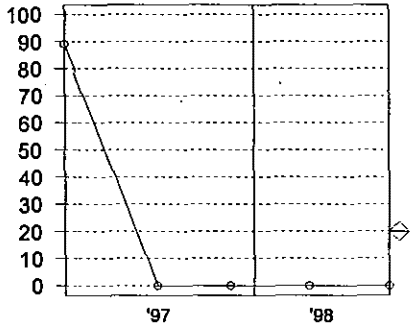
GW MONITORING
CW-6 Bldg. 2044

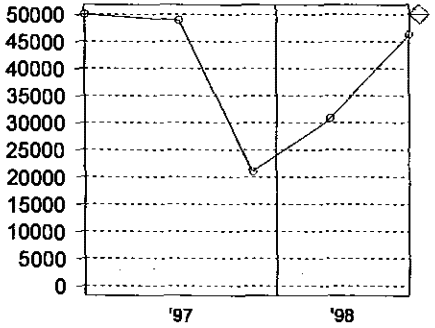
Well 2 of 4

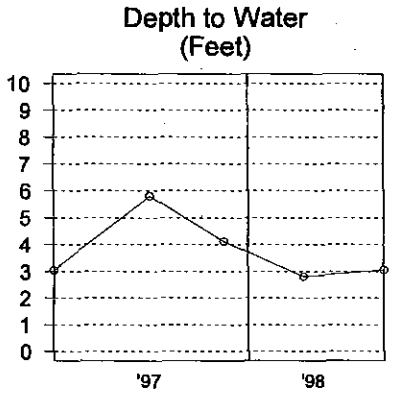
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

08-12-1998 c:\mtech46\fm\2044a\gw\2044.wsf









SOURCE: MW2

Sampling Dates:
04/30/97 - 06/15/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4, Graph

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

08-12-1998 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Silanol, trimethyl-	Di-n-butyl phthalate	Unknown Hydro carbon	Nonana mide	Aluminum	Arsenic	Iron	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	900	NLE	NLE	200	8	300	20	50000	-
04/30/97	FMETL	18	ND	ND	14	124	1.0	595	19	11000	V,S,P,M
08/29/97	FMETL	ND	ND	46	ND	292	ND	2490	ND	7090	V,S,P,M
12/01/97	FMETL	ND	1.48	ND	ND	293	ND	538	ND	11830	V,S,P,M
03/05/98	FMETL	ND	ND	ND	ND	506	ND	848	ND	10780	V,S,P,M
06/15/98	FMETL	ND	ND	ND	ND	335	ND	1165	ND	10860	V,S,P,M

SOURCE: MW3

Sampling Dates:
04/30/97 - 06/15/98

NOTES:

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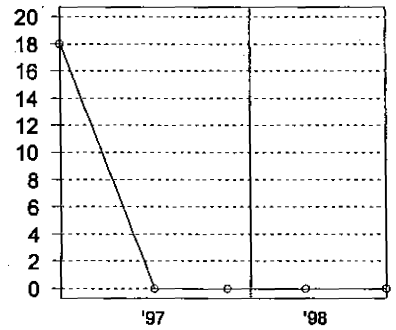
FORT MONMOUTH

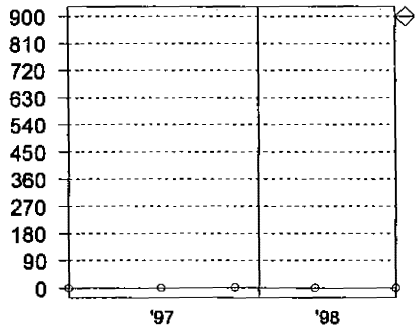
GW MONITORING
CW-6 Bldg. 2044

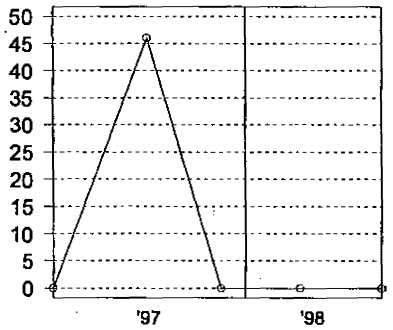
Well 3 of 4

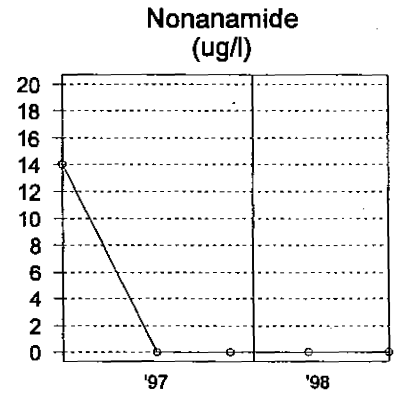
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

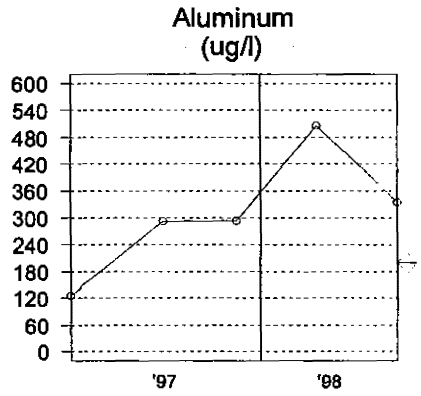
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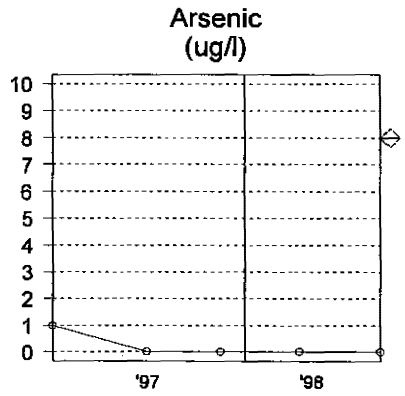


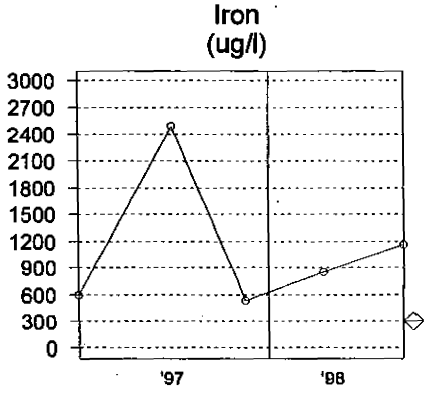


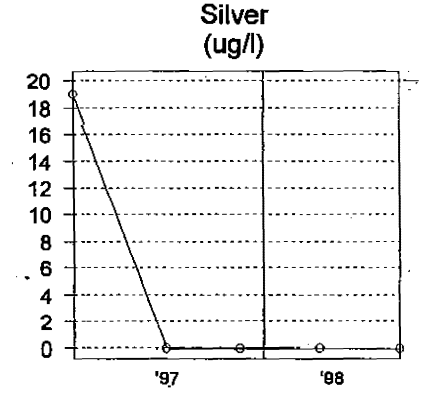


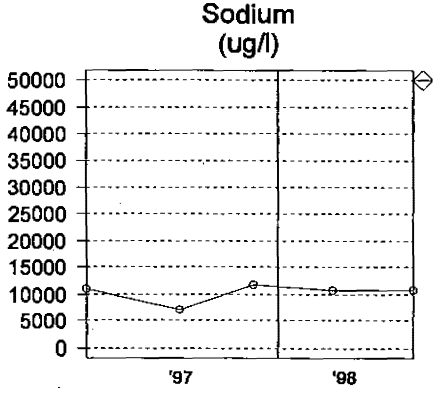












SOURCE: MW3

Sampling Dates:
04/30/97 - 06/15/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 3 of 4, Graph

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

08-12-1998 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Depth to Water									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
04/30/97	FMETL	3.90									V,S,P,M
08/29/97	FMETL	6.50									V,S,P,M
12/01/97	FMETL	4.80									V,S,P,M
03/05/98	FMETL	3.32									V,S,P,M
06/15/98	FMETL	3.98									V,S,P,M

SOURCE: MW3

Sampling Dates:
04/30/97 - 06/15/98

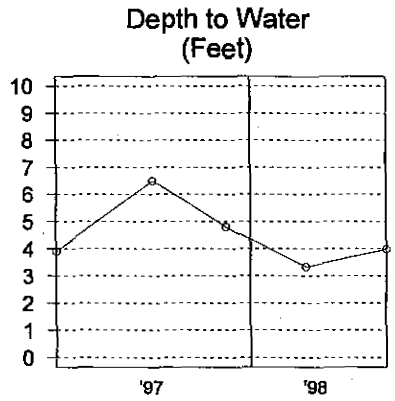
NOTES:

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 3 of 4

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



SOURCE: MW3

Sampling Dates:
04/30/97 - 06/15/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 3 of 4, Graph

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

08-12-1998 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Silanol, trimethyl-	Unknown Hydro carbon	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	NLE	NLE	200	8	300	20	50000	-		-
04/30/97	FMETL	43	ND	48	2.0	2100	18	15500	3.75		V,S,P,M
09/02/97	FMETL	ND	30	120	1.0	1380	13	16570	4.90		V,S,P,M
12/01/97	FMETL	ND	ND	348	ND	652	ND	15500	4.25		V,S,P,M
03/05/98	FMETL	ND	ND	385	ND	2212	ND	15940	3.78		V,S,P,M
06/15/98	FMETL	ND	ND	204	ND	2624	ND	15380	5.54		V,S,P,M

SOURCE: MW34

Sampling Dates:
04/30/97 - 06/15/98

NOTES:

FORT MONMOUTH

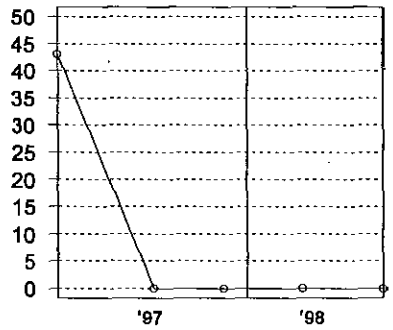
GW MONITORING
CW-6 Bldg. 2044

Well 4 of 4

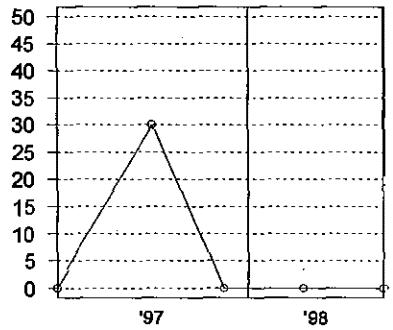
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

08-12-1998 c:\mtech46\fm\2044a\gw\2044.wsf

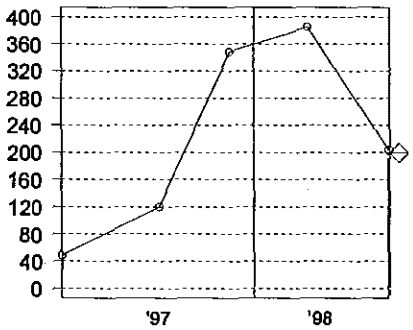
Silanol, trimethyl-
(ug/l)



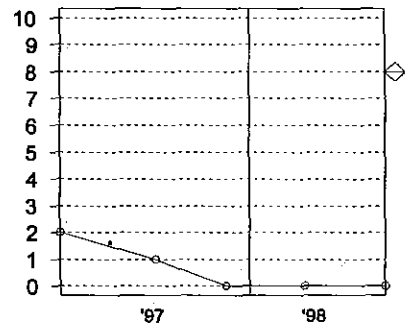
Unknown Hydrocarbon
(ug/l)



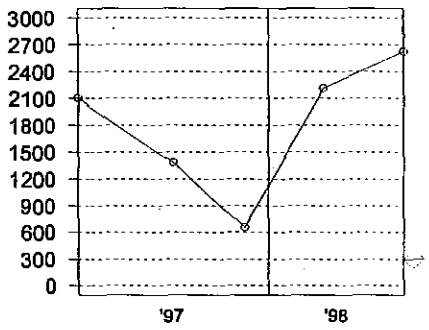
Aluminum
(ug/l)



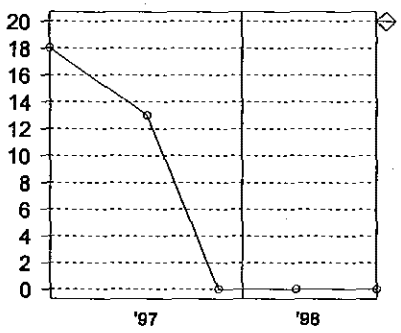
Arsenic
(ug/l)



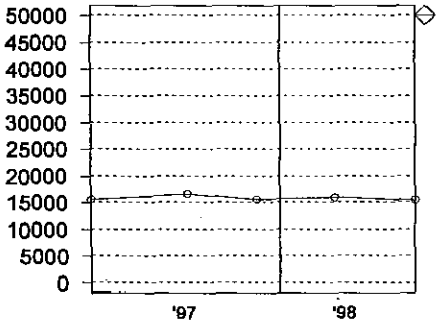
Iron
(ug/l)



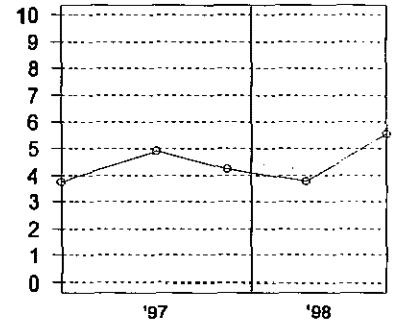
Silver
(ug/l)



Sodium
(ug/l)



Depth to Water
(Feet)



SOURCE: MW34

Sampling Dates:
04/30/97 - 06/15/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

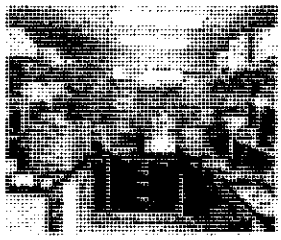
Well 4 of 4, Graph

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

08-12-1998 c:\mtech46\fm\2044a\gw\2044.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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3901.04	MW-01	29-30970	09/22/98
3901.05	MW-02	29-30971	09/22/98
3901.06	MW-03	29-30972	09/22/98
3901.07	MW-34	29-32599	09/22/98

NJDEP Laboratory Certification # 13461

11/9/98

Daniel Wright Date:
Laboratory Director

METHODOLOGY SUMMARY

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

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



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-3484 EMail:appleby@doim6.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallow
Phone #: X21e223
(✓)DERA ( )OMA ( )Other:

Project No:
Location: CW-6 (2044) MW's

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				HNO3 Pres.	Comments: Remarks / Preservation Method
3991 .01	Trip	9/22/98	0745	AQ	2	✓								
.02	Field Blank		1155		5	✓	✓	✓	✓					*NO HNO due to rain.ppm
.03	Dupe		—		5	✓	✓	✓	✓					
.04	MW-01		1304		5	✓	✓	✓	✓				✓	A ppm 29-30970
.05	MW-02		1238		5	✓	✓	✓	✓				✓	A ppm 29-30971
.06	MW-03		1251		5	✓	✓	✓	✓				✓	A ppm 29-30972
.07	MW-34	↓	1518	↓	5	✓	✓	✓	✓				✓	B ppm 29-32599

DTW's at 2044
MW-35: well : 16.[illegible]ft
wtr : 6.[illegible]ft
MW-36: well : 16.65ft
wtr : 7.52ft

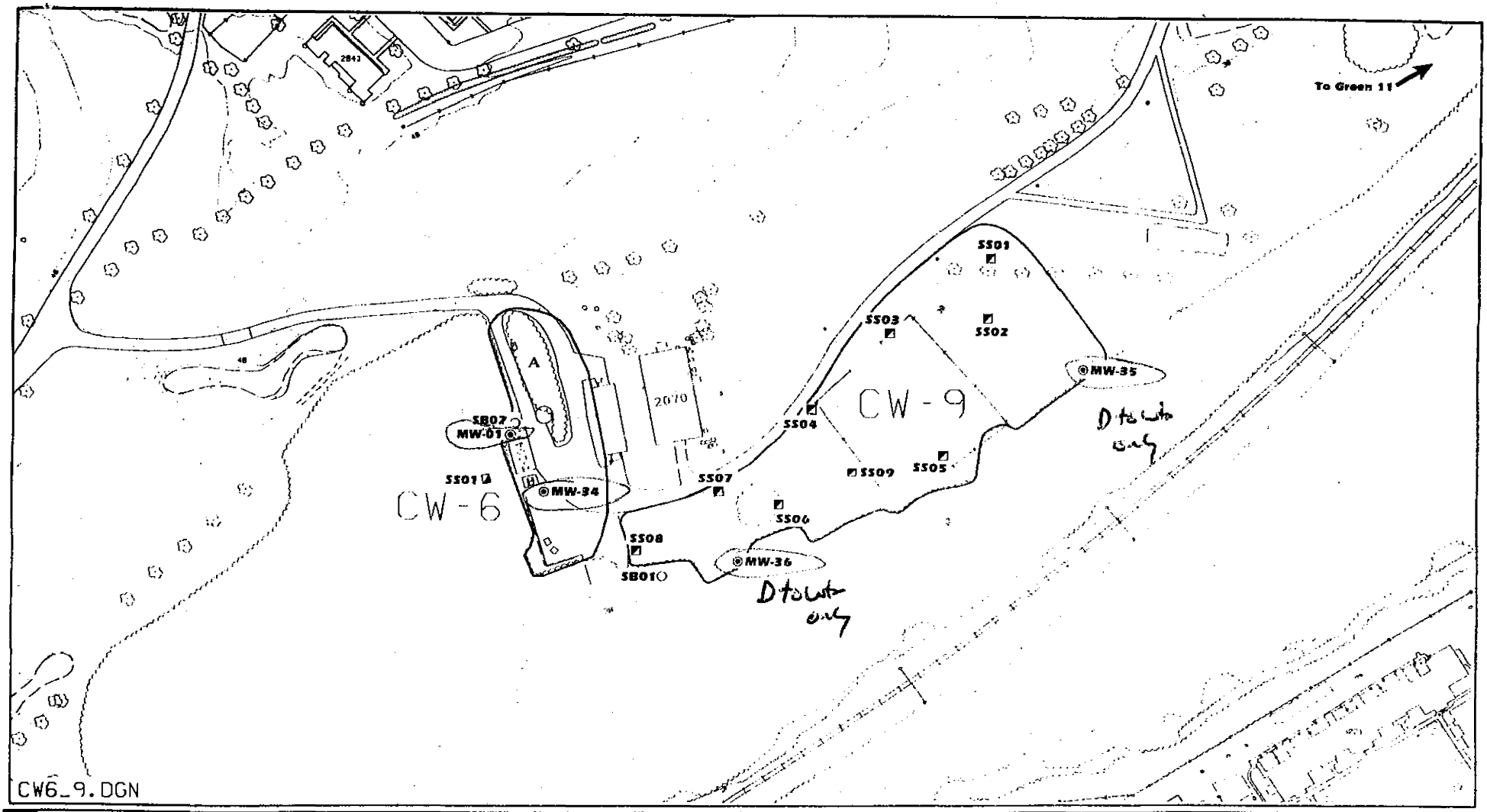
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	9/22/98 1525	J. Fallow			

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

Remarks:

print legibly

coc.XLS8/24/98



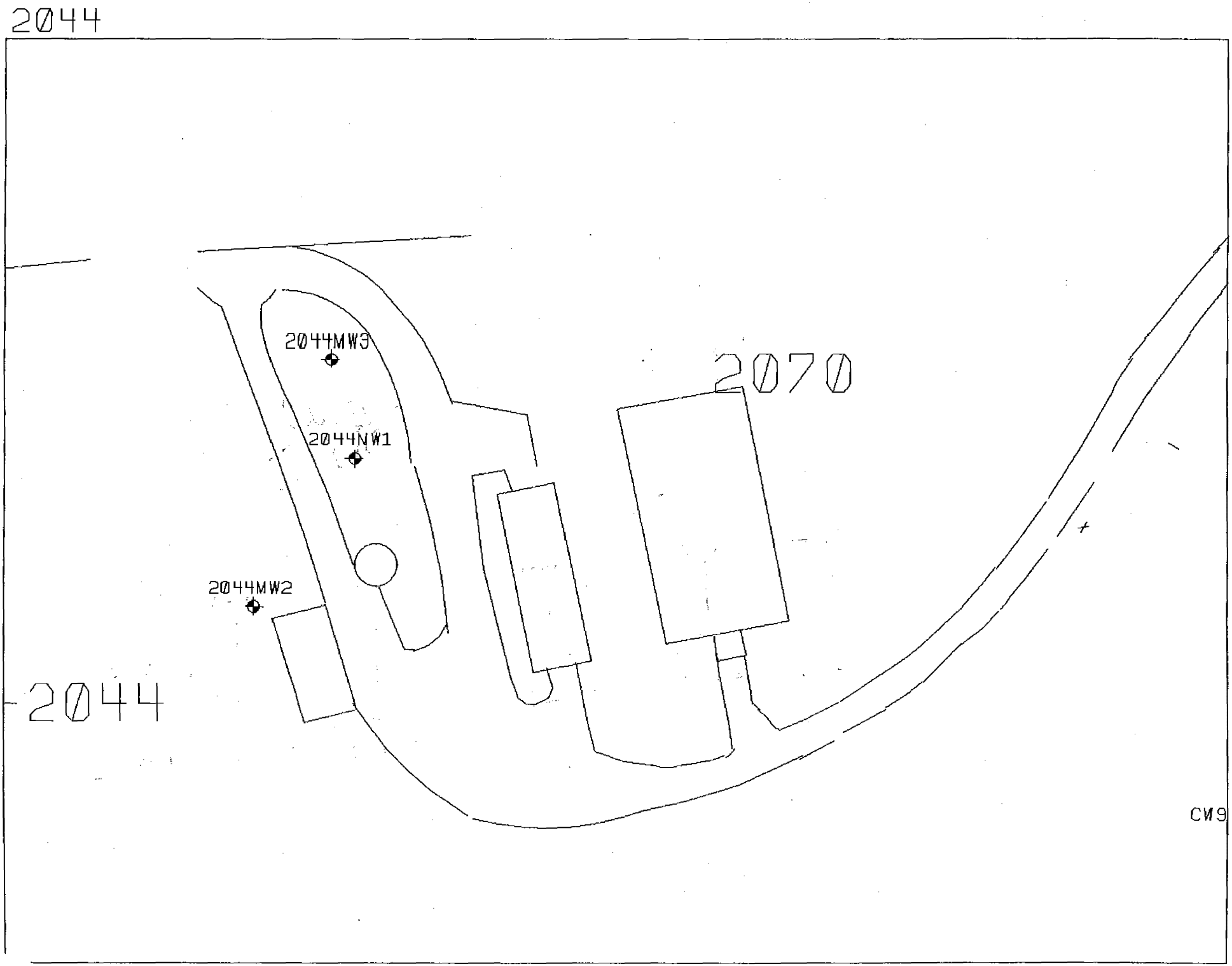
LEGEND

- Soil Boring
- Monitor Well
- Surface Soil Sampling Location
- Road (paved)
- Road/Trails (unpaved)
- Fence
- Building
- Wooded Area
- Tree/Bush
- Light Pole
- Utility Pole
- Site
- Road (Gravel)
- Base Boundary
- Approximate Boundary

0 100 200
SCALE IN FEET

Fort Monmouth, Charles Wood

FIGURE 4.3-13
PESTICIDE STORAGE BUILDING (CW-6) AND SLUDGE DUMP (CW-9) SAMPLING LOCATIONS


2044
2044MW3
2070
2044NW1
2044MW2
2044
CW9

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2044 / CW-6
MW#: 01
NJDEP ID #: 29-30970
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 9 / 22 / 98
WEATHER: OVERCAST, RAINY

ELEV. OF CASING SURVEY MARK: 35.06 ft
DEPTH TO WATER: 6.21 ft
DEPTH OF WELL: 16.80 ft
HEIGHT OF WATER: 10.59 ft
(10.59) X .65 X 3 = 20.65
GALLONS OF H2O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.19 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 1116
pH 5.76 su TEMP 20.7 °C
DISSOLVED O2 1.96 ppm SPECIFIC CONDUCTIVITY 265 us/cm

PURGE END TIME: 1304
pH 5.62 su TEMP 19.8 °C
DISSOLVED O2 1.43 ppm SPECIFIC CONDUCTIVITY 140 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.92 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

pH 5.57 su TEMP 19.2 °C
DISSOLVED O2 1.32 ppm SPECIFIC CONDUCTIVITY 130 us/cm

COMMENTS: VERY CLOUDY, EVEN AFTER SETTLING FOR 20 MIN.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2044 / CW-6
MW#: 02
NJDEP ID #: 29-30971
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 9 / 22 / 98
WEATHER: OVERCAST, RAINY

ELEV. OF CASING SURVEY MARK: 35.05 ft
DEPTH TO WATER: 6.22 ft
DEPTH OF WELL: 17.89 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) : PERISTALIC
PURGE RATE: 0.31 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 1125
pH 5.86 su TEMP 20.0 °C
DISSOLVED O2 7.65 ppm SPECIFIC CONDUCTIVITY 361 us/cm

PURGE END TIME: 1238
pH 6.00 su TEMP 19.4 °C
DISSOLVED O2 4.01 ppm SPECIFIC CONDUCTIVITY 323 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.55 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

pH 6.10 su TEMP 19.1 °C
DISSOLVED O2 3.87 ppm SPECIFIC CONDUCTIVITY 369 us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2044 / CW-6
MW#: 03
NJDEP ID #: 29-30972
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 9 / 22 / 98
WEATHER: OVERCAST, RAINY

ELEV. OF CASING SURVEY MARK: 36.34 ft
DEPTH TO WATER: 7.15 ft
DEPTH OF WELL: 17.78 ft
HEIGHT OF WATER: 10.63 ft
(10.63) X .65 X 3 = 20.73
GALLONS OF H2O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.19 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 1103
pH 5.83 su TEMP 23.3 °C
DISSOLVED O2 7.03 ppm SPECIFIC CONDUCTIVITY 217 us/cm

PURGE END TIME: 1251
pH 5.21 su TEMP 19.8 °C
DISSOLVED O2 3.18 ppm SPECIFIC CONDUCTIVITY 166 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.67 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

pH 4.99 su TEMP 19.5 °C
DISSOLVED O2 3.10 ppm SPECIFIC CONDUCTIVITY 106 us/cm

COMMENTS: DUPE HERE.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2044 / CW-6
MW#: 34
NJDEP ID #: 29-32599
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 9 / 22 / 98
WEATHER: OVERCAST, RAINY

ELEV. OF CASING SURVEY MARK: 33.76 ft
DEPTH TO WATER: 6.31 ft
DEPTH OF WELL: 16.90 ft
HEIGHT OF WATER: 10.59 ft
(10.59) X .65 X 3 = 20.65
GALLONS OF H2O TO BE PURGED: 21 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: 1344
pH 5.20 su TEMP 19.1 °C
DISSOLVED O2 5.00 ppm SPECIFIC CONDUCTIVITY 127 us/cm

PURGE END TIME: 1518
pH 5.13 su TEMP 18.6 °C
DISSOLVED O2 2.32 ppm SPECIFIC CONDUCTIVITY 142 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: 21 gal

pH 4.99 su TEMP 18.3 °C
DISSOLVED O2 1.98 ppm SPECIFIC CONDUCTIVITY 138 us/cm

COMMENTS: STARTED PURGING A RUSTY COLOR, THEN CLEARED QUICKLY.

CASE NARRATIVE

Site: Bldg. CW-6
Lab ID: 3901

The duplicate analysis was performed on MW-03 (3901.06).

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	**v04719.d**	Sample Name	**VBLK103**
Operator	**Skelton**	Field ID	**VBLK103**
Date Acquired	**1 Oct 1998 11:30**	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-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Name	**v04731.d**	Sample Name	**3901.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**1 Oct 1998 21:30**	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-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Name	**v04732.d**	Sample Name	**3901.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**1 Oct 1998 22:14**	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-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Name	**v04733.d**	Sample Name	**3901.03**
Operator	**Skelton**	Field ID	**Field Dup**
Date Acquired	**1 Oct 1998 22:58**	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-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Name	**v04734.d**	Sample Name	**3901.04**
Operator	**Skelton**	Field ID	**MW-01**
Date Acquired	**1 Oct 1998 23:43**	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-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File Name	**v04735.d**	Sample Name	**3901.05**
Operator	**Skelton**	Field ID	**MW-02**
Date Acquired	**2 Oct 1998 00:27**	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-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

MDL = Method Detection Limit
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R.T. = Retention Time

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

Data File Name	**v04736.d**	Sample Name	**3901.06**
Operator	**Skelton**	Field ID	**MW-03**
Date Acquired	**2 Oct 1998 1:11**	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-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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R.T. = Retention Time

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

Data File Name	**v04737.d**	Sample Name	**3901.07**
Operator	**Skelton**	Field ID	**MW-34**
Date Acquired	**2 Oct 1998 1:55**	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-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **VBLK103**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3901 Location CW-6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: VBLK103

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V04719.D

Level: (low/med) LOW Date Received: 09/22/98

% Moisture: not dec. Date Analyzed: 10/01/98

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.: 3901 Location CW-6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3901.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V04731.D

Level: (low/med) LOW Date Received: 09/22/98

% Moisture: not dec. Date Analyzed: 10/01/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3901 Location CW-6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3901.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V04732.D

Level: (low/med) LOW Date Received: 09/22/98

% Moisture: not dec. Date Analyzed: 10/01/98

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: **Dupe**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3901 Location CW-6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3901.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V04733.D

Level: (low/med) LOW Date Received: 09/22/98

% Moisture: not dec. Date Analyzed: 10/01/98

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	13.37	10	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW-01**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3901 Location CW-6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3901.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V04734.D

Level: (low/med) LOW Date Received: 09/22/98

% Moisture: not dec. Date Analyzed: 10/01/98

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: **MW-02**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3901 Location CW-6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3901.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V04735.D

Level: (low/med) LOW Date Received: 09/22/98

% Moisture: not dec. Date Analyzed: 10/02/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	13.37	14	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW-03**

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3901 Location CW-6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3901.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V04736.D

Level: (low/med) LOW Date Received: 09/22/98

% Moisture: not dec. Date Analyzed: 10/02/98

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-34

Lab Name: FMETL Project

NJDEP # 13461 Case No.: 3901 Location CW-6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3901.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V04737.D

Level: (low/med) LOW Date Received: 09/22/98

% Moisture: not dec. Date Analyzed: 10/02/98

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

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

CONCENTRATION UNITS:

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

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	13.37	15	J

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

Data File Name	**bna00808.d**	Sample Name	**SBLK135**
Operator	**Skelton**	Misc Info	
Date Acquired	**1 Oct 1998 8:52 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	**bna00808.d**	Sample Name	**SBLK135**
Operator	**Skelton**	Misc Info	
Date Acquired	**1 Oct 1998 8:52 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	

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

Qualifiers

E = Value exceeded linear range

D = Value from dilution

B = Compound in related blank

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	**bna00818.d**	Sample Name	**3901.02**
Operator	**Skelton**	Misc Info	**Field Blank**
Date Acquired	**2 Oct 1998 4:05 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 deteeted	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	**bna00818.d**	Sample Name	**3901.02**
Operator	**Skelton**	Misc Info	**Field Blank**
Date Acquired	**2 Oct 1998 4:05 am**	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	

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

Qualifiers

E = Value exceeded linear range

D = Value from dilution

B = Compound in related blank

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

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

Data File Name	**bna00819.d**	Sample Name	**3901.03**
Operator	**Skelton**	Misc Info	**Field Dupe**
Date Acquired	**2 Oct 1998 4:48 am**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	2.52	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	2.64	ug/L	
62-53-3	Aniline			not detected	NLE	2.90	ug/L	
108-95-2	Phenol			not detected	4000	1.11	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	2.45	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.92	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.65	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.50	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	2.09	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.44	ug/L	
	2-Methylphenol			not detected	NLE	2.09	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	2.96	ug/L	
	4-Methylphenol			not detected	NLE	1.72	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	2.22	ug/L	
67-72-1	Hexachloroethane			not detected	10	2.59	ug/L	
98-95-3	Nitrobenzene			not detected	10	2.45	ug/L	
78-59-1	Isophorone			not detected	100	2.31	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.72	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.42	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	2.54	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.79	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.71	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	2.58	ug/L	
91-20-3	Naphthalene			not detected	NLE	3.03	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	2.55	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.64	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.46	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	2.49	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.59	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.66	ug/L	
	2,4,5-Trichlorophenol			not detected	700	1.63	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	2.15	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.62	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	2.74	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	2.35	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.54	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.62	ug/L	
83-32-9	Acenaphthene			not detected	400	1.98	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.65	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	2.13	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.31	ug/L	

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Data File Name	**bna00819.d**	Sample Name	**3901.03**
Operator	**Skelton**	Misc Info	**Field Dupe**
Date Acquired	**2 Oct 1998 4:48 am**	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	

* 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	**bna00934.d**	Sample Name	**3901.04**
Operator	**Skelton**	Misc Info	**MW-01**
Date Acquired	**21 Oct 1998 10:17 pm**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)[a]	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	**bna00934.d**	Sample Name	**3901.04**
Operator	**Skelton**	Misc Info	**MW-01**
Date Acquired	**21 Oct 1998 10:17 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	

* 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	**bna00820.d**	Sample Name	**3901.05**
Operator	**Skelton**	Misc Info	**MW-02**
Date Acquired	**2 Oct 1998 5:31 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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Data File Name	**bna00820.d**	Sample Name	**3901.05**
Operator	**Skelton**	Misc Info	**MW-02**
Date Acquired	**2 Oct 1998 5:31 am**	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	

* 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	**bna00821.d**	Sample Name	**3901.06**
Operator	**Skelton**	Misc Info	**MW-03**
Date Acquired	**2 Oct 1998 6:14 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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Data File Name	**bna00821.d**	Sample Name	**3901.06**
Operator	**Skelton**	Misc Info	**MW-03**
Date Acquired	**2 Oct 1998 6:14 am**	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	

* 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	**bna00822.d**	Sample Name	**3901.07**
Operator	**Skelton**	Misc Info	**MW-34**
Date Acquired	**2 Oct 1998 6:57 am**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	2.52	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	2.64	ug/L	
62-53-3	Aniline			not detected	NLE	2.90	ug/L	
108-95-2	Phenol			not detected	4000	1.11	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	2.45	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.92	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.65	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.50	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	2.09	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	2.44	ug/L	
	2-Methylphenol			not detected	NLE	2.09	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	2.96	ug/L	
	4-Methylphenol			not detected	NLE	1.72	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	2.22	ug/L	
67-72-1	Hexachloroethane			not detected	10	2.59	ug/L	
98-95-3	Nitrobenzene			not detected	10	2.45	ug/L	
78-59-1	Isophorone			not detected	100	2.31	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.72	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	2.42	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	2.54	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.79	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.71	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	2.58	ug/L	
91-20-3	Naphthalene			not detected	NLE	3.03	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	2.55	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.64	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.46	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	2.49	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.59	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.66	ug/L	
	2,4,5-Trichlorophenol			not detected	700	1.63	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	2.15	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.62	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	2.74	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	2.35	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.54	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.62	ug/L	
83-32-9	Acenaphthene			not detected	400	1.98	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.65	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	2.13	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.31	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	bna00822.d	Sample Name	3901.07
Operator	Skelton	Misc Info	MW-34
Date Acquired	2 Oct 1998 6:57 am	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	

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

Qualifiers

E = Value exceded linear range

D = Value from dilution

B = Compound in related blank

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK135

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3901 Location CW-6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: SBLK135

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA00808.D

Level: (low/med) LOW Date Received: 09/22/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 09/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/01/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3901 Location CW-6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3901.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA00818.D

Level: (low/med) LOW Date Received: 09/22/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 09/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/02/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Dupe

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3901 Location CW-6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3901.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA00819.D

Level: (low/med) LOW Date Received: 09/22/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 09/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/02/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-01

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3901 Location CW-6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3901.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA00934.D

Level: (low/med) LOW Date Received: 09/22/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 09/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-02

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3901 Location CW-6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3901.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA00820.D

Level: (low/med) LOW Date Received: 09/22/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 09/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/02/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-03

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3901 Location CW-6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3901.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA00821.D

Level: (low/med) LOW Date Received: 09/22/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 09/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/02/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

MW-34

Lab Name: FMETL Lab Code 13461

Project _____ Case No.: 3901 Location CW-6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 3901.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA00822.D

Level: (low/med) LOW Date Received: 09/22/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 09/23/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/02/98

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 # :**	3901.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/22/98
	Bldg. 173	**Extraction Date:**	9/24/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/16/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
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 # :**	3901.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/22/98
	Bldg. 173	**Extraction Date:**	9/24/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/16/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	Field Duplicate
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 # :**	3901.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/22/98
	Bldg. 173	**Extraction Date:**	9/24/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/5/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-01
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 # :**	3901.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/22/98
	Bldg. 173	**Extraction Date:**	9/24/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/16/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-02
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	16.35	0.20	0.0009	**0.023**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1	18.56	0.10	0.0022	**0.026**
4,4'-DDT	1	19.21	0.10	0.0013	**0.018**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1	16.94	0.50	0.0011	**0.056**
Gamma-chlordane	1	16.66	0.50	0.0009	**0.033**
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 # :**	3901.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/22/98
	Bldg. 173	**Extraction Date:**	9/24/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/16/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-03
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 # :**	3901.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/22/98
	Bldg. 173	**Extraction Date:**	9/24/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/16/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-34
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 # :**	BLK203
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	9/24/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/15/98
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
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 3901
Sample Prepared: 10/19/98

Site: CW-6
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	10/20/98	88	200	10.0
Antimony	10/20/98	13	20	2.0
Arsenic	10/20/98	ND	8	2.0
Barium	10/20/98	ND	2000	0.5
Beryllium	10/20/98	ND	20	0.5
Cadmium	10/20/98	ND	4	0.5
Calcium	10/20/98	92.0	NLE	20.0
Chromium	10/20/98	ND	100	0.5
Cobalt	10/20/98	0.6	NLE	0.5
Copper	10/20/98	21	1000	3.0
Iron	10/20/98	92.0	300	10.0
Lead	10/20/98	ND	10	2.0
Magnesium	10/20/98	26.0	NLE	20.0
Manganese	10/20/98	ND	50	0.5
Mercury	09/28/98	ND	2	0.1
Nickel	10/20/98	8.2	100	0.5
Potassium	10/20/98	2310	NLE	20.0
Selenium	10/20/98	4.0	50	3.0
Silver	10/20/98	ND	20	3.0
Sodium	10/20/98	407	50000	20.0
Thallium	10/20/98	ND	10	3.0
Vanadium	10/20/98	ND	NLE	1.0
Zinc	10/20/98	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 #: 3901.02
Sample Received: 09/22/98
Sample Matrix: Aqueous

Site: CW-6
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	10/20/98	ND	200	10.0
Antimony	10/20/98	ND	20	2.0
Arsenic	10/20/98	ND	8	2.0
Barium	10/20/98	ND	2000	0.5
Beryllium	10/20/98	ND	20	0.5
Cadmium	10/20/98	ND	4	0.5
Calcium	10/20/98	45	NLE	20.0
Chromium	10/20/98	ND	100	0.5
Cobalt	10/20/98	ND	NLE	0.5
Copper	10/20/98	ND	1000	3.0
Iron	10/20/98	84	300	10.0
Lead	10/20/98	ND	10	2.0
Magnesium	10/20/98	ND	NLE	20.0
Manganese	10/20/98	0.8	50	0.5
Mercury	09/28/98	ND	2	0.1
Nickel	10/20/98	2.0	100	0.5
Potassium	10/20/98	3010	NLE	20.0
Selenium	10/20/98	ND	50	3.0
Silver	10/20/98	ND	20	3.0
Sodium	10/20/98	89	50000	20.0
Thallium	10/20/98	ND	10	3.0
Vanadium	10/20/98	ND	NLE	1.0
Zinc	10/20/98	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 #: 3901.03
Sample Received: 09/22/98
Sample Matrix: Aqueous

Site: CW-6
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	10/20/98	1030	200	10.0
Antimony	10/20/98	ND	20	2.0
Arsenic	10/20/98	ND	8	2.0
Barium	10/20/98	39.4	2000	0.5
Beryllium	10/20/98	ND	20	0.5
Cadmium	10/20/98	ND	4	0.5
Calcium	10/20/98	8800	NLE	20.0
Chromium	10/20/98	8.0	100	0.5
Cobalt	10/20/98	1.8	NLE	0.5
Copper	10/20/98	ND	1000	3.0
Iron	10/20/98	4020	300	10.0
Lead	10/20/98	ND	10	2.0
Magnesium	10/20/98	2380	NLE	20.0
Manganese	10/20/98	23.2	50	0.5
Mercury	09/28/98	ND	2	0.1
Nickel	10/20/98	7.5	100	0.5
Potassium	10/20/98	1190	NLE	20.0
Selenium	10/20/98	ND	50	3.0
Silver	10/20/98	ND	20	3.0
Sodium	10/20/98	7140	50000	20.0
Thallium	10/20/98	ND	10	3.0
Vanadium	10/20/98	8	NLE	1.0
Zinc	10/20/98	26	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 #: 3901.04
Sample Received: 09/22/98
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: MW-01

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/20/98	77700	200	10.0
Antimony	10/20/98	ND	20	2.0
Arsenic	10/20/98	88	8	2.0
Barium	10/20/98	2020	2000	0.5
Beryllium	10/20/98	20.5	20	0.5
Cadmium	10/20/98	1.9	4	0.5
Calcium	10/20/98	92400	NLE	20.0
Chromium	10/20/98	65.3	100	0.5
Cobalt	10/20/98	49.3	NLE	0.5
Copper	10/20/98	124	1000	3.0
Iron	10/20/98	112000	300	10.0
Lead	10/20/98	522	10	2.0
Magnesium	10/20/98	43900	NLE	20.0
Manganese	10/20/98	1120	50	0.5
Mercury	09/28/98	0.2	2	0.1
Nickel	10/20/98	114	100	0.5
Potassium	10/20/98	25000	NLE	20.0
Selenium	10/20/98	ND	50	3.0
Silver	10/20/98	ND	20	3.0
Sodium	10/20/98	107000	50000	20.0
Thallium	10/20/98	ND	10	3.0
Vanadium	10/20/98	67	NLE	1.0
Zinc	10/20/98	832	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 #: 3901.05
Sample Received: 09/22/98
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: MW-02

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/20/98	630	200	10.0
Antimony	10/20/98	ND	20	2.0
Arsenic	10/20/98	13	8	2.0
Barium	10/20/98	21.9	2000	0.5
Beryllium	10/20/98	ND	20	0.5
Cadmium	10/20/98	1.8	4	0.5
Calcium	10/20/98	57800	NLE	20.0
Chromium	10/20/98	6.5	100	0.5
Cobalt	10/20/98	0.7	NLE	0.5
Copper	10/20/98	42	1000	3.0
Iron	10/20/98	5450	300	10.0
Lead	10/20/98	6	10	2.0
Magnesium	10/20/98	11600	NLE	20.0
Manganese	10/20/98	355	50	0.5
Mercury	09/28/98	0.5	2	0.1
Nickel	10/20/98	6.1	100	0.5
Potassium	10/20/98	3070	NLE	20.0
Selenium	10/20/98	ND	50	3.0
Silver	10/20/98	ND	20	3.0
Sodium	10/20/98	22200	50000	20.0
Thallium	10/20/98	ND	10	3.0
Vanadium	10/20/98	9	NLE	1.0
Zinc	10/20/98	24	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 #: 3901.06
Sample Received: 09/22/98
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: MW-03

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/20/98	934	200	10.0
Antimony	10/20/98	ND	20	2.0
Arsenic	10/20/98	ND	8	2.0
Barium	10/20/98	38	2000	0.5
Beryllium	10/20/98	ND	20	0.5
Cadmium	10/20/98	ND	4	0.5
Calcium	10/20/98	8970	NLE	20.0
Chromium	10/20/98	7.5	100	0.5
Cobalt	10/20/98	1.7	NLE	0.5
Copper	10/20/98	7	1000	3.0
Iron	10/20/98	3600	300	10.0
Lead	10/20/98	ND	10	2.0
Magnesium	10/20/98	2430	NLE	20.0
Manganese	10/20/98	24	50	0.5
Mercury	09/28/98	ND	2	0.1
Nickel	10/20/98	5.4	100	0.5
Potassium	10/20/98	1240	NLE	20.0
Selenium	10/20/98	ND	50	3.0
Silver	10/20/98	ND	20	3.0
Sodium	10/20/98	7320	50000	20.0
Thallium	10/20/98	ND	10	3.0
Vanadium	10/20/98	7	NLE	1.0
Zinc	10/20/98	14	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 #: 3901.07
Sample Received: 09/22/98
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: MW-34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/20/98	360	200	10.0
Antimony	10/20/98	ND	20	2.0
Arsenic	10/20/98	6	8	2.0
Barium	10/20/98	16.2	2000	0.5
Beryllium	10/20/98	ND	20	0.5
Cadmium	10/20/98	ND	4	0.5
Calcium	10/20/98	5500	NLE	20.0
Chromium	10/20/98	5.1	100	0.5
Cobalt	10/20/98	0.9	NLE	0.5
Copper	10/20/98	4	1000	3.0
Iron	10/20/98	9030	300	10.0
Lead	10/20/98	ND	10	2.0
Magnesium	10/20/98	1280	NLE	20.0
Manganese	10/20/98	32.8	50	0.5
Mercury	09/28/98	ND	2	0.1
Nickel	10/20/98	4.2	100	0.5
Potassium	10/20/98	5060	NLE	20.0
Selenium	10/20/98	ND	50	3.0
Silver	10/20/98	ND	20	3.0
Sodium	10/20/98	16300	50000	20.0
Thallium	10/20/98	ND	10	3.0
Vanadium	10/20/98	4	NLE	1.0
Zinc	10/20/98	63	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-	Di-n-butyl phthalate	Butyl benzyl phthalate	bis(2-Ethylhexyl) phthalate	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	NLE	900	100	30	0.2	0.1	0.5	0.5	200	-
04/30/97	FMETL	33	ND	0.65	ND	0.029	0.026	0.057	0.038	290	V,S,P,M
09/02/97	FMETL	ND	ND	ND	ND	0.035	0.027	0.096	0.054	361	V,S,P,M
12/01/97	FMETL	ND	1.88	ND	ND	0.024	0.023	0.057	0.025	303	V,S.P.M
03/05/98	FMETL	ND	ND	ND	1.16	0.026	0.014	0.031	0.025	374	V,S,P,M
06/15/98	FMETL	ND	ND	ND	ND	0.020	ND	0.054	0.031	541	V,S,P,M
09/22/98	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	77700	V,S.P,M

SOURCE: MW1

Sampling Dates:
04/30/97 - 09/22/98

NOTES:

Page 1 of 2.

FORT MONMOUTH

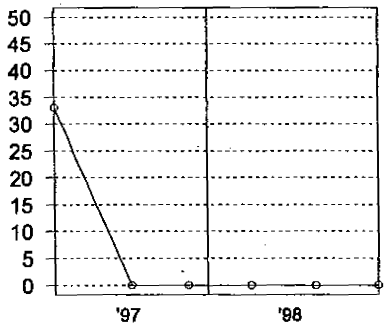
GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4

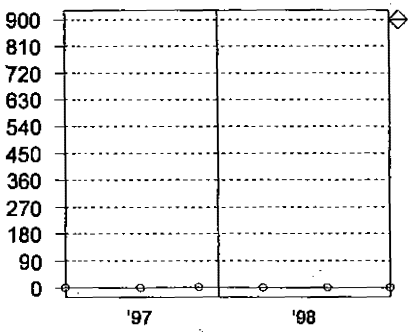
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

11-09-1998 c:\mtech46\fm\2044a\gw\2044.wsf

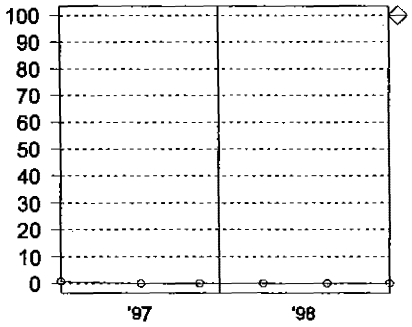
Silanol, trimethyl-
(ug/l)



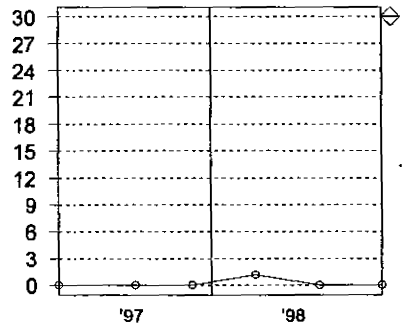
Di-n-butylphthalate
(ug/l)



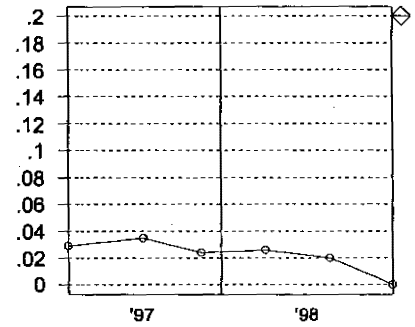
Butylbenzylphthalate
(ug/l)



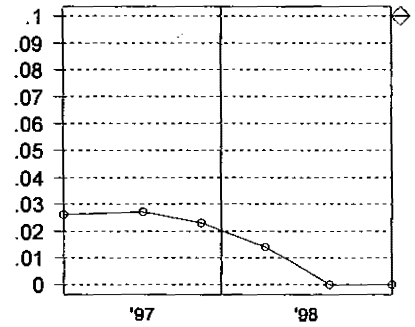
bis(2-ethylhexyl)phthalate
(ug/l)



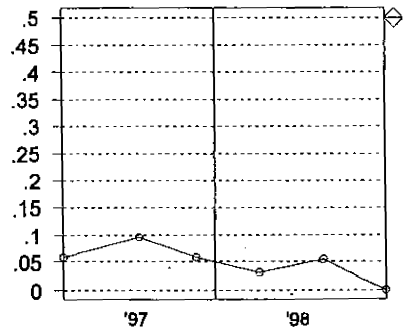
Heptachlor Epoxide
(ug/l)



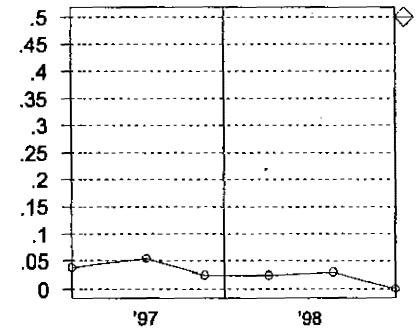
4,4'DDD
(ug/l)



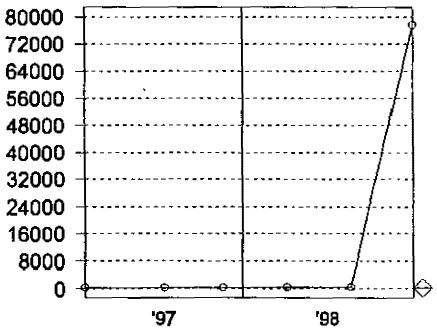
Alpha-chlordane
(ug/l)



Gamma-chlordane
(ug/l)



Aluminum
(ug/l)



SOURCE: MW1

Sampling Dates:
04/30/97 - 09/22/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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

11-09-1998 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Arsenic	Iron	Silver	Sodium	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	8	300	20	50000	-					-
04/30/97	FMETL	2.0	1880	21	24000	3.60					V,S,P,M
09/02/97	FMETL	4.0	790	6.0	23730	4.80					V,S,P,M
12/01/97	FMETL	ND	468	ND	17300	4.20					V,S.P.M
03/05/98	FMETL	ND	1953	ND	18070	3.38					V,S,P,M
06/15/98	FMETL	5.1	2414	ND	20990	3.47					V,S,P,M
09/22/98	FMETL	88	112000	ND	107000	6.21					V,S.P,M

SOURCE: MW1

Sampling Dates:
04/30/97 - 09/22/98

NOTES:

Page 2 of 2.

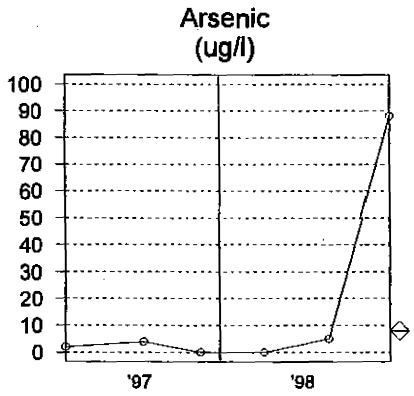
FORT MONMOUTH

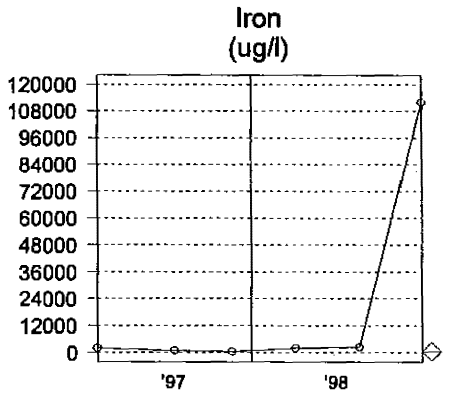
GW MONITORING
CW-6 Bldg. 2044

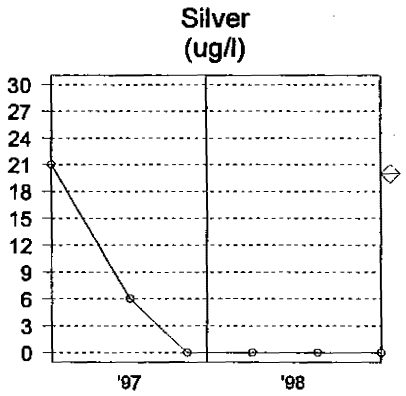
Well 1 of 4

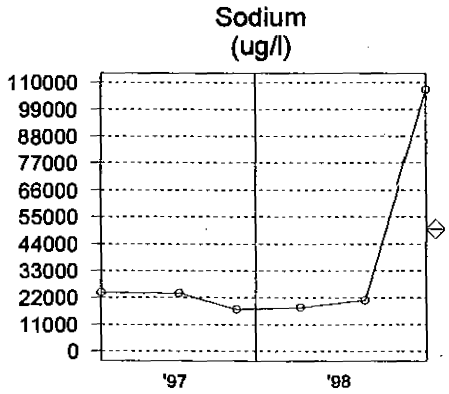
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

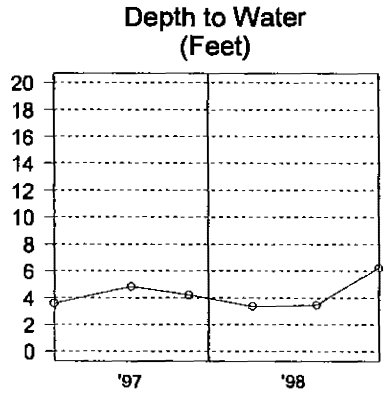
11-09-1998 c:\mtech46\fm\2044a\gw\2044.wsf











SOURCE: MW1

Sampling Dates:
04/30/97 - 09/22/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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

11-09-1998 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Di-n-butyl phthalate	Butyl benzyl phthalate	bis(2-Ethylhexyl) phthalate	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	900	100	30	0.2	0.1	0.5	0.5	200	8	-
04/30/97	FMETL	81	19	5	ND	ND	ND	ND	260	22	V,S,P,M
08/29/97	FMETL	ND	ND	ND	-	-	-	-	2600	6	V,S,P,M
12/01/97	FMETL	1.12	ND	ND	ND	ND	ND	ND	10060	7	V,S,P,M
03/05/98	FMETL	ND	ND	ND	ND	ND	ND	ND	28570	17.9	V,S,P,M
06/15/98	FMETL	ND	ND	ND	ND	ND	ND	ND	37960	48.1	V,S,P,M
09/22/98	FMETL	ND	ND	ND	0.023	0.026	0.056	0.033	630	13	V,S,P,M

SOURCE: MW2

Sampling Dates:
04/30/97 - 09/22/98

NOTES:

Page 1 of 2.

FORT MONMOUTH

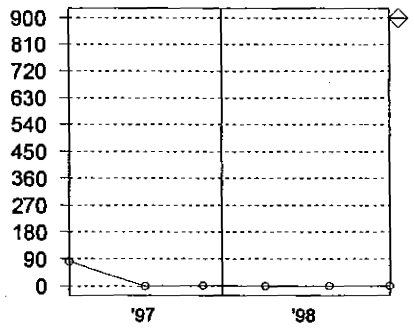
GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4

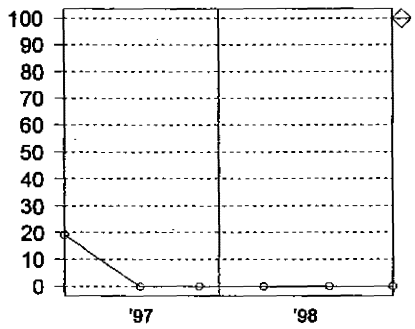
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

11-09-1998 c:\mtech46\fm\2044a\gw\2044.wsf

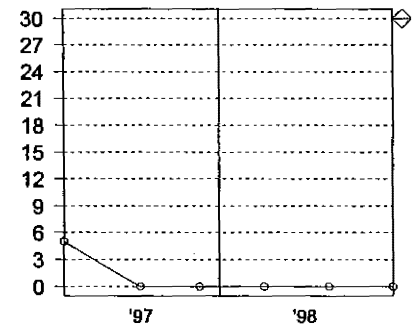
Di-n-butylphthalate (ug/l)



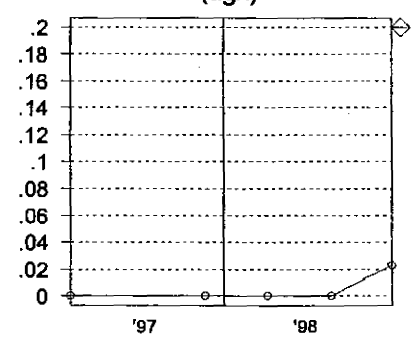
Butylbenzylphthalate (ug/l)



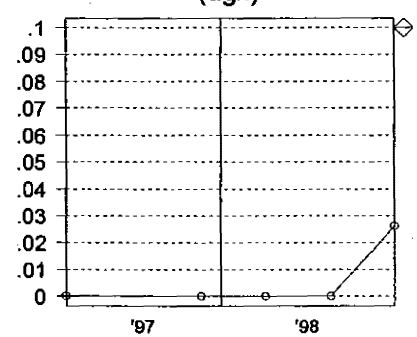
bis(2-ethylhexyl)phthalate (ug/l)



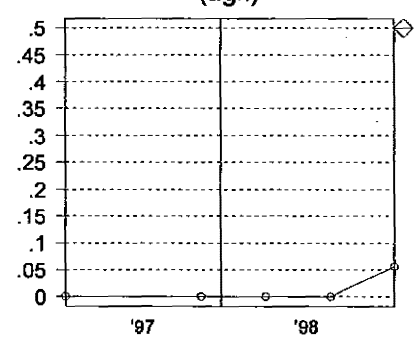
Heptachlor Epoxide (ug/l)



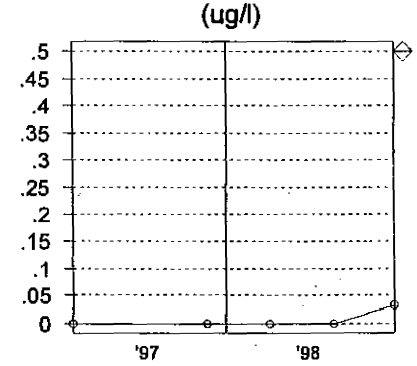
4,4'DDD (ug/l)



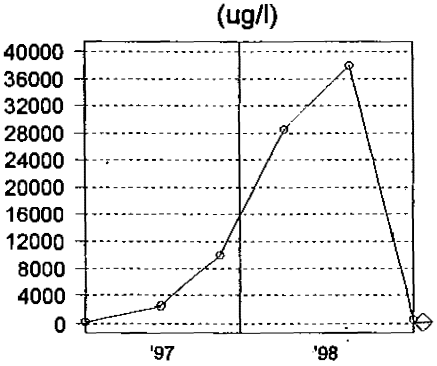
Alpha-chlordane (ug/l)



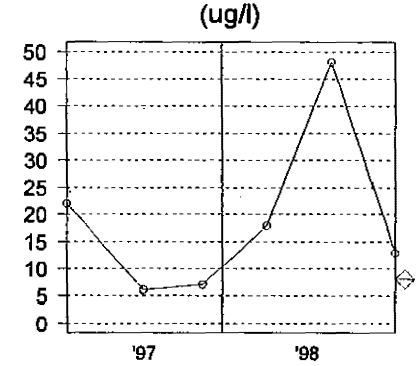
Gamma-chlordane (ug/l)



Aluminum (ug/l)



Arsenic (ug/l)



SOURCE: MW2

Sampling Dates:
04/30/97 - 09/22/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4, Graph

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

11-09-1998 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Iron	Silver	Sodium	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	300	20	50000	-						-
04/30/97	FMETL	76000	89	104500	3.03						V,S,P,M
08/29/97	FMETL	7140	ND	48940	5.80						V,S,P,M
12/01/97	FMETL	9940	ND	21000	4.10						V,S,P,M
03/05/98	FMETL	21390	ND	30750	2.81						V,S,P,M
06/15/98	FMETL	41540	ND	46240	3.06						V,S,P,M
09/22/98	FMETL	5450	ND	22200	6.22						V,S,P,M

SOURCE: MW2

Sampling Dates:
04/30/97 - 09/22/98

NOTES:

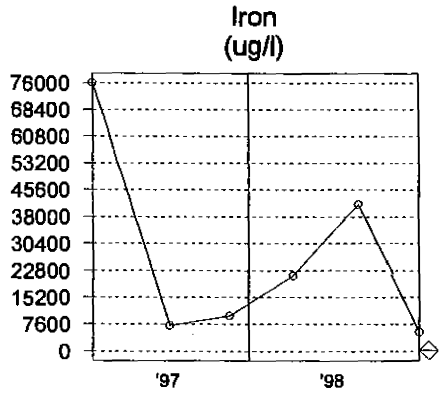
Page 2 of 2.

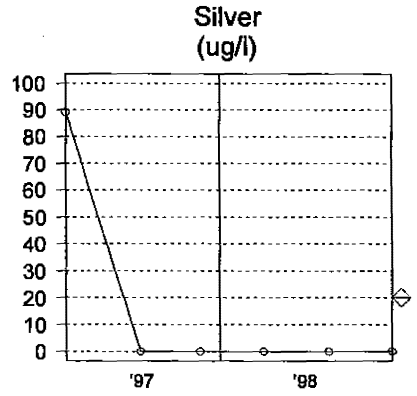
FORT MONMOUTH

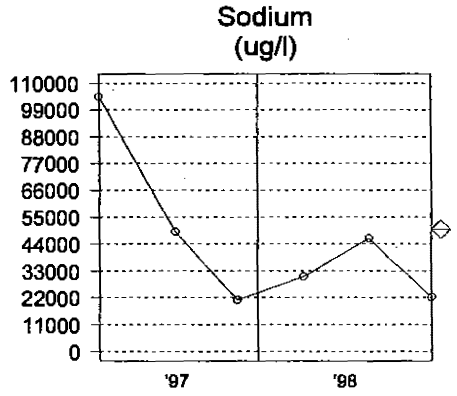
GW MONITORING
CW-6 Bldg. 2044

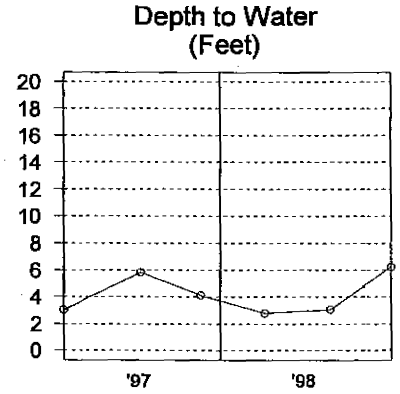
Well 2 of 4

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









SOURCE: MW2

Sampling Dates:
04/30/97 - 09/22/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4, Graph

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

11-09-1998 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Silanol, trimethyl-	Di-n-butyl phthalate	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	NLE	900	200	8	300	20	50000	-		-
04/30/97	FMETL	18	ND	124	1.0	595	19	11000	3.90		V,S,P,M
08/29/97	FMETL	ND	ND	292	ND	2490	ND	7090	6.50		V,S,P,M
12/01/97	FMETL	ND	1.48	293	ND	538	ND	11830	4.80		V,S,P,M
03/05/98	FMETL	ND	ND	506	ND	848	ND	10780	3.32		V,S,P,M
06/15/98	FMETL	ND	ND	335	ND	1165	ND	10860	3.98		V,S,P,M
09/22/98	FMETL	ND	ND	934	ND	3600	ND	7320	7.15		V,S,P,M

SOURCE: MW3

Sampling Dates:
04/30/97 - 09/22/98

NOTES:

Page 1 of 2.

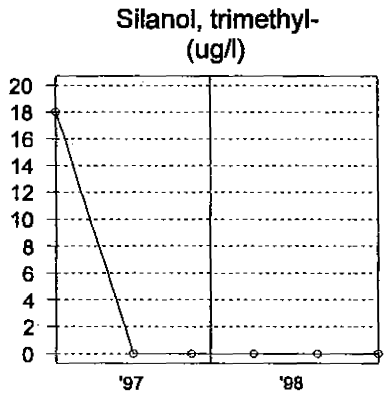
FORT MONMOUTH

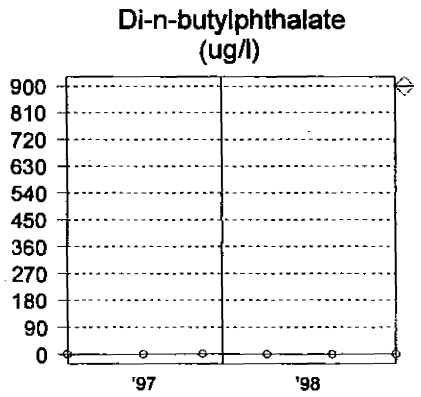
GW MONITORING
CW-6 Bldg. 2044

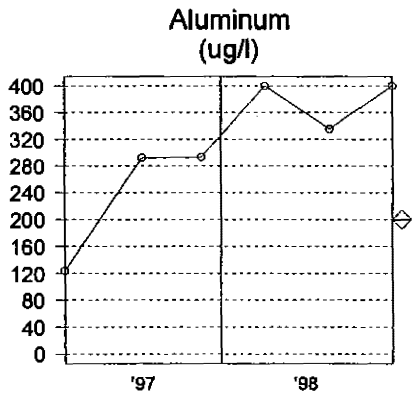
Well 3 of 4

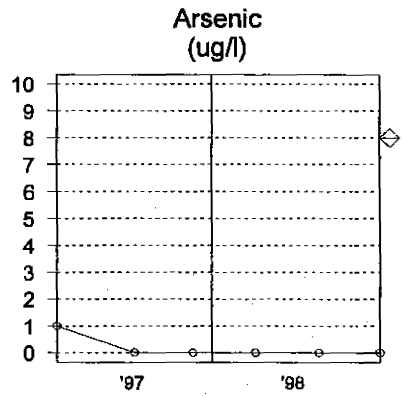
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

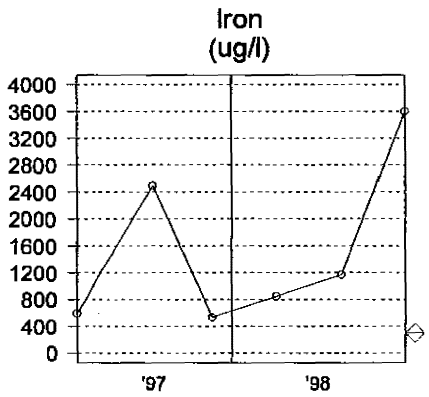
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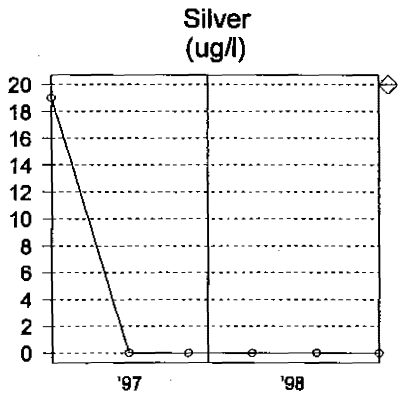


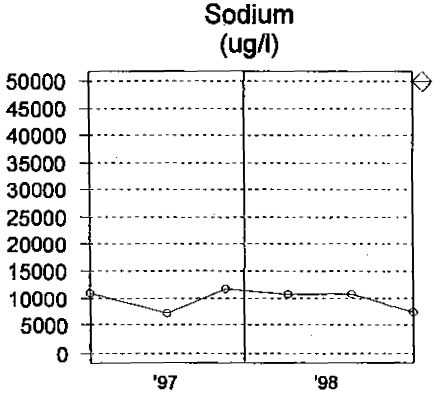


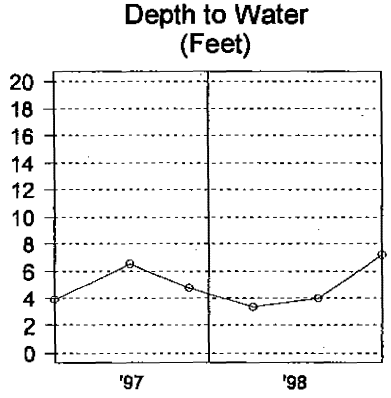












SOURCE: MW3

Sampling Dates:
04/30/97 - 09/22/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 3 of 4, Graph

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

11-09-1998 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Silanol, trimethyl-	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	NLE	200	8	300	20	50000	-			-
04/30/97	FMETL	43	48	2.0	2100	18	15500	3.75			V,S,P,M
09/02/97	FMETL	ND	120	1.0	1380	13	16570	4.90			V,S,P,M
12/01/97	FMETL	ND	348	ND	652	ND	15500	4.25			V,S,P,M
03/05/98	FMETL	ND	385	ND	2212	ND	15940	3.78			V,S,P,M
06/15/98	FMETL	ND	204	ND	2624	ND	15380	5.54			V,S,P,M
09/22/98	FMETL	ND	360	6	9030	ND	16300	6.31			V,S,P,M

SOURCE: MW34

Sampling Dates:
04/30/97 - 09/22/98

NOTES:

FORT MONMOUTH

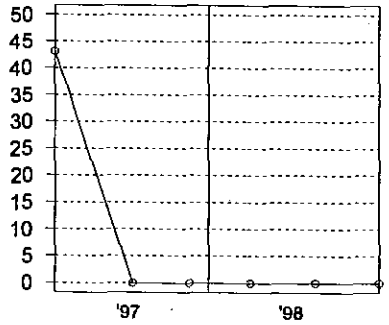
GW MONITORING
CW-6 Bldg. 2044

Well 4 of 4

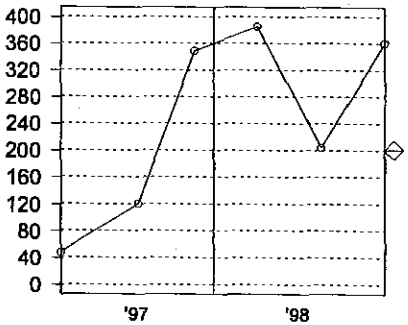
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

11-09-1998 c:\mtech46\fm\2044a\gw\2044.wsf

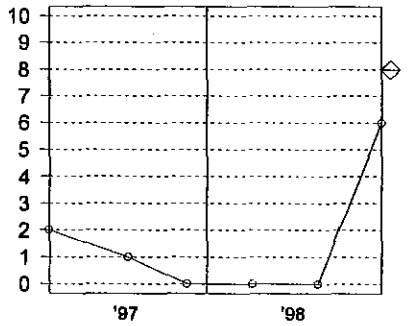
Silanol, trimethyl-
(ug/l)



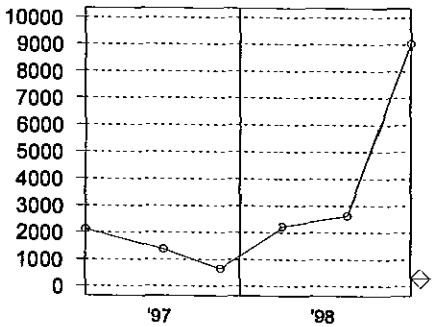
Aluminum
(ug/l)



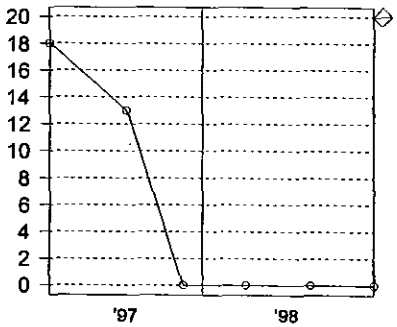
Arsenic
(ug/l)



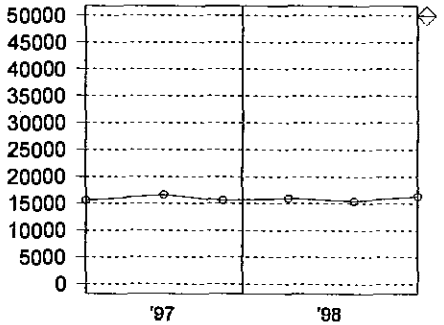
Iron
(ug/l)



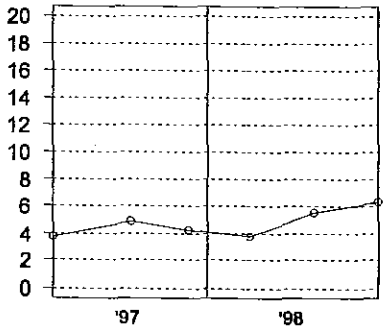
Silver
(ug/l)



Sodium
(ug/l)



Depth to Water
(Feet)



SOURCE: MW34

Sampling Dates:
04/30/97 - 09/22/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

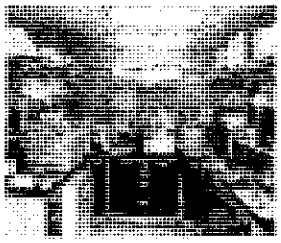
Well 4 of 4, Graph

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

11-09-1998 c:\mtech46\fm\2044a\gw\2044.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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4111.03	MW-01	29-30970	12/04/98
4111.04	MW-02	29-30971	12/04/98
4111.05	MW-03	29-30972	12/04/98
4111.06	MW-34	29-32599	12/04/98

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



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: CW-6 (2044) MWS 4th Qtr '98
Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VO +15	BNA +25	Pest/PCB	TAL MTLS				Hex Cnd	Comments: HNO3/HCL/4°C Remarks / Preservation Method
4111. .01	Trip	12/4/98	0740	AQ	2	✓								
.02	Field Blank		0830		5	✓	✓	✓	✓					
.03	MW-01		0958		9	✓	✓	✓	✓				✓	0.3 ppm
.04	MW-02		1008		5	✓	✓	✓	✓				✓	1.2 ppm
.05	MW-03		1018		5	✓	✓	✓	✓				✓	0.5 ppm
.06	MW-34 *		1132		5	✓	✓	✓	✓				✓	0.0 ppm
.07	Dupe	↓	—	↓	5	✓	✓	✓	✓					
	DTW													
MW-35	5.76 ft													
MW-36	7.07 ft													

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	12/4/98 1315				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

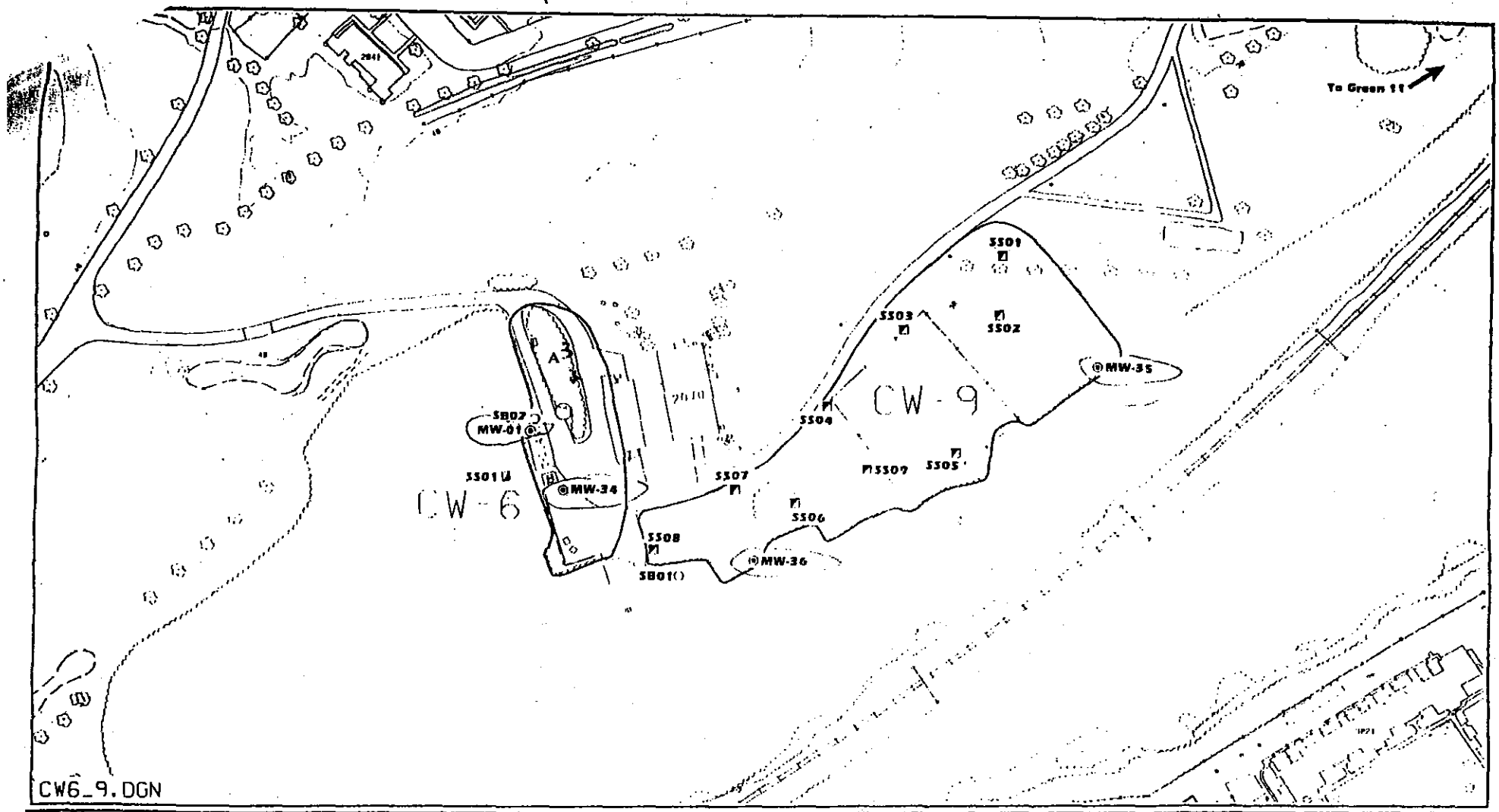
Report Type: (_)Full, (_)Reduced, (✓)Standard, (_)Screen / non-certified
Turnaround time: (✓)Standard 4 wks, (_)Rush ____ Days, (_)ASAP Verbal ____ Hrs.

Remarks: Shuttle Trip / Blank / Dupe w/ ~~COC~~ COC 2700 Myr
MS OS Here: MW01 Tide: N/A

print legibly

coc.XLS11/10/98

CW-6 2044



LEGEND

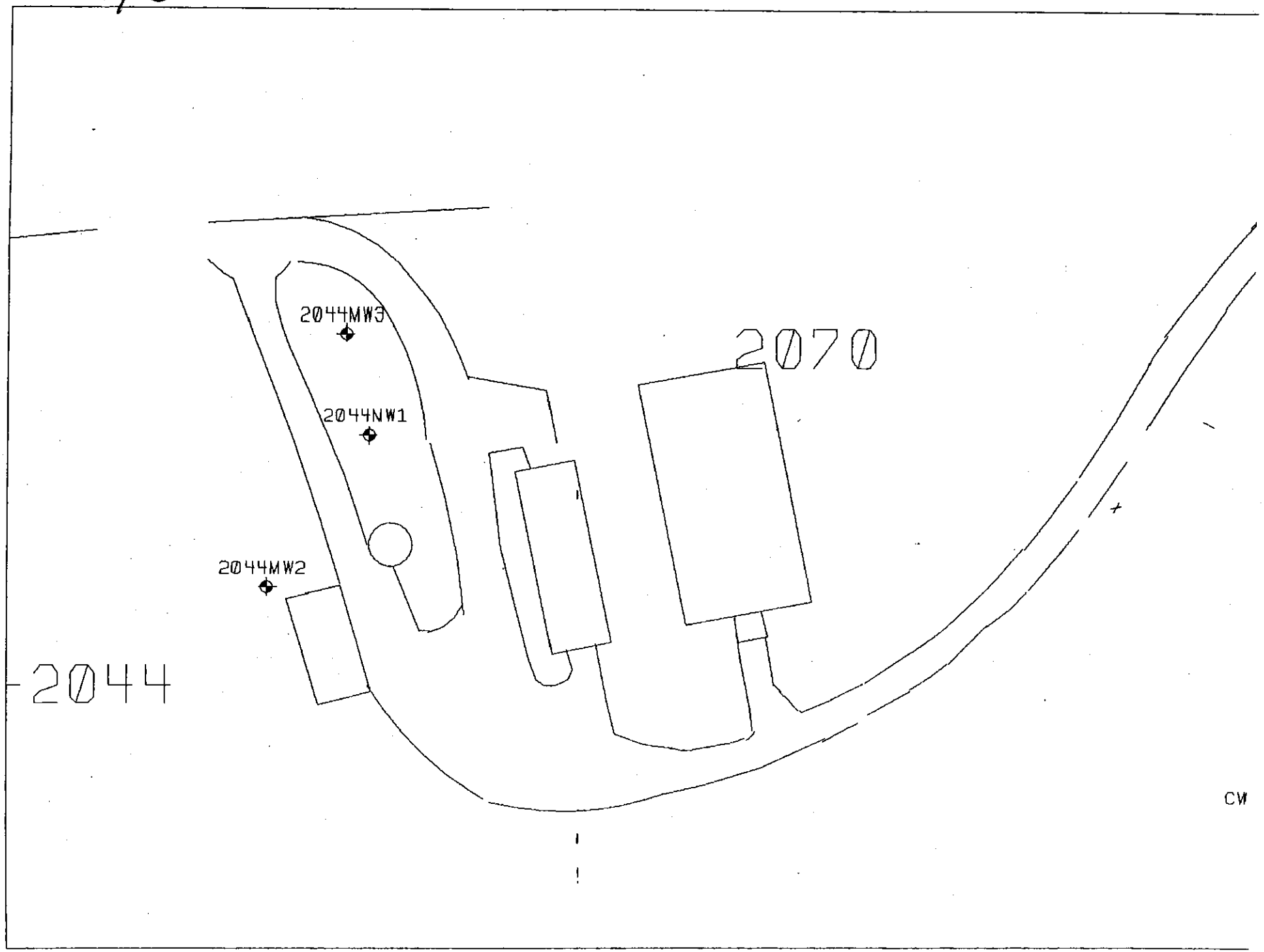
Soil Boring
Monitor Well
Surface Soil Sampling Location
Road (paved)
Road/Trail (unpaved)
Fence
Building
Wooded Area
Tree Shrub
Tree Stump
Utility Pole
Site
Road (paved)
Rail Boundary
Main Bldg Area
Approximate Boundaries

0 100 200
SCALE IN FEET

Fort Monmouth, Charles Wood

FIGURE 4.3-13
PESTICIDE STORAGE BUILDING (CW-6) AND SLUDGE DUMP (CW-9) SAMPLING LOCATIONS

2044/CW-6



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2044 / CW-6
MW#: 01
NJDEP ID #: 29-30970
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/4/98
WEATHER: Sunny, warm, clear.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 35.06 ft
DEPTH TO WATER: 8.25 ft
DEPTH OF WELL: 17.89 ft
HEIGHT OF WATER: 9.61 ft
(9.61) X .65 X 3 = 18.73
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.22 gpm
Hnu READING: 0.3 ppm

PURGE START TIME: 08:35
pH 7.03 su TEMP 15.6 °C
DISSOLVED O2 8.21 ppm SPECIFIC CONDUCTIVITY 313 us/cm

PURGE END TIME: 09:58
pH 6.90 su TEMP 15.0 °C
DISSOLVED O2 6.23 ppm SPECIFIC CONDUCTIVITY 315 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.37 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

pH 6.91 su TEMP 14.7 °C
DISSOLVED O2 5.78 ppm SPECIFIC CONDUCTIVITY 316 us/cm

COMMENTS: MS/MSD HERE.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2044 / CW-6
MW#: 02
NJDEP ID #: 29-30971
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/4/98
WEATHER: Sunny, warm, clear.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 35.05 ft
DEPTH TO WATER: 6.51 ft
DEPTH OF WELL: 16.80 ft
HEIGHT OF WATER: 10.29 ft
(10.29) X .65 X 3 = 20.06
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: 1.2 ppm

PURGE START TIME: 08:42
pH 6.17 su TEMP 15.6 °C
DISSOLVED O2 9.29 ppm SPECIFIC CONDUCTIVITY 198 us/cm

PURGE END TIME: 10:08
pH 6.04 su TEMP 15.4 °C
DISSOLVED O2 7.01 ppm SPECIFIC CONDUCTIVITY 201 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.08 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 20 gal

pH 6.02 su TEMP 15.4 °C
DISSOLVED O2 6.87 ppm SPECIFIC CONDUCTIVITY 200 us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2044 / CW-6
MW#: 03
NJDEP ID #: 29-30972
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/4/98
WEATHER: Sunny, warm, clear.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 36.34 ft
DEPTH TO WATER: 7.37 ft
DEPTH OF WELL: 17.78 ft
HEIGHT OF WATER: 10.41 ft
(10.41) X .65 X 3 = 20.29
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: 0.5 ppm

PURGE START TIME: 08:51
pH 5.99 su TEMP 15.5 °C
DISSOLVED O2 9.28 ppm SPECIFIC CONDUCTIVITY 150 us/cm

PURGE END TIME: 10:18
pH 5.95 su TEMP 15.5 °C
DISSOLVED O2 7.11 ppm SPECIFIC CONDUCTIVITY 152 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.73 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 20 gal

pH 5.94 su TEMP 15.4 °C
DISSOLVED O2 6.91 ppm SPECIFIC CONDUCTIVITY 147 us/cm

COMMENTS:

CASE NARRATIVE

Site: CW-6

Lab ID: 4111

The duplicate analysis was performed on MW-34 (4111.06).

Chloroform was detected in the Trip and Field Blanks below 1 ppb.

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 Nam	**vb02291.d**	Sample Name	**Vblk70**
Operator	**Skelton**	Field ID	**Vblk70**
Date Acquired	**8 Dec 98 7:00 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: **Vblk70**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4111 SDG No _____ Location CW-6

Matrix (soil/water) WATER Lab Sample ID: Vblk70

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02291.D

Level: (low/med) LOW Date Received: 12/04/98

% Moisture: not dec. _____ Date Analyzed: 12/08/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 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	**vb02313.d**	Sample Name	**Vblk72**
Operator	**Skelton**	Field ID	**Vblk72**
Date Acquired	**10 Dec 98 9:59 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	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
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PQL = Practical Quantitation Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Vblk72**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4111 SDG No _____ Location CW-6

Matrix (soil/water) WATER Lab Sample ID: Vblk72

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02313.D

Level: (low/med) LOW Date Received: 12/04/98

% Moisture: not dec. _____ Date Analyzed: 12/10/98

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	**vb02309.d**	Sample Name	**4111.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**9 Dec 98 8:26 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	17.67	71339	0.71 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl 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.: 4111 SDG No _____ Location CW-6

Matrix (soil/water) WATER Lab Sample ID: 4111.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02309.D

Level: (low/med) LOW Date Received: 12/04/98

% Moisture: not dec. _____ Date Analyzed: 12/09/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02310.d**	Sample Name	**4111.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**9 Dec 98 9:11 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	17.67	74381	0.74 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 ethe			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloroprope			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethan			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Field Blank

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4111 SDG No _____ Location CW-6

Matrix (soil/water) WATER Lab Sample ID: 4111.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02310.D

Level: (low/med) LOW Date Received: 12/04/98

% Moisture: not dec. _____ Date Analyzed: 12/09/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02311.d**	Sample Name	**4111.03**
Operator	**Skelton**	Field ID	**MW01**
Date Acquired	**9 Dec 98 9:55 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	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: **MW01**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4111 SDG No _____ Location CW-6

Matrix (soil/water) WATER Lab Sample ID: 4111.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02311.D

Level: (low/med) LOW Date Received: 12/04/98

% Moisture: not dec. _____ Date Analyzed: 12/09/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02312.d**	Sample Name	**4111.04**
Operator	**Skelton**	Field ID	**MW02**
Date Acquired	**9 Dec 98 10:39 am**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW02**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4111 SDG No _____ Location CW-6

Matrix (soil/water) WATER Lab Sample ID: 4111.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02312.D

Level: (low/med) LOW Date Received: 12/04/98

% Moisture: not dec. _____ Date Analyzed: 12/09/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam	**vb02313.d**	Sample Name	**4111.05**
Operator	**Skelton**	Field ID	**MW03**
Date Acquired	**9 Dec 98 11:24 am**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW03

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4111 SDG No _____ Location CW-6

Matrix (soil/water) WATER Lab Sample ID: 4111.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02313.D

Level: (low/med) LOW Date Received: 12/04/98

% Moisture: not dec. _____ Date Analyzed: 12/09/98

GC Column: HP5MS ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File Nam **vb02314.d**
Operator **Skelton**
Date Acquired **10 Dec 98 11:01 am**

Sample Name **4111.06**
Field ID **MW34**
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: MW34

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4111 SDG No _____ Location CW-6

Matrix (soil/water) WATER Lab Sample ID: 4111.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02314.D

Level: (low/med) LOW Date Received: 12/04/98

% Moisture: not dec. _____ Date Analyzed: 12/10/98

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

79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/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	**vb02315.d**	Sample Name	**4111.07**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**10 Dec 98 11:45 am**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET FIELD ID

TENTATIVELY IDENTIFIED COMPOUNDS

Dupe

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4111 SDG No _____ Location CW-6

Matrix (soil/water) WATER Lab Sample ID: 4111.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02315.D

Level: (low/med) LOW Date Received: 12/04/98

% Moisture: not dec. _____ Date Analyzed: 12/10/98

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	**BN02391.D**	Sample Name	**Sblk176**
Operator	**Skelton**	Misc Info	**Sblk176 A 981203**
Date Acquired	**17-Dec-98**	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	**BN02391.D**	Sample Name	**Sblk176**
Operator	**Skelton**	Misc Info	**Sblk176 A 981203**
Date Acquired	**17-Dec-98**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Sblk176**

Lab Name: FMETL Lab Cod 13461

Project: LTM Case No.: 4111 Location: CW-6 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: Sblk176

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02391.D

Level: (low/med) LOW Date Received: 12/4/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/7/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/17/98

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	**BN02393.D**	Sample Name	**4111.02**
Operator	**Skelton**	Misc Info	**Field Blank**
Date Acquired	**17-Dec-98**	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	**BN02393.D**	Sample Name	**4111.02**
Operator	**Skelton**	Misc Info	**Field Blank**
Date Acquired	**17-Dec-98**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Field Blank**

Lab Name: FMETL Lab Cod 13461

Project: LTM Case No.: 4111 Location: CW-6 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4111.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02393.D

Level: (low/med) LOW Date Received: 12/4/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/7/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/17/98

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. 000057-10-3	Hexadecanoic acid	19.84	15	JN
2. 000000-00-0	2-Hexyl-1-decanol	21.16	8	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN02394.D**	Sample Name	**4111.03**
Operator	**Skelton**	Misc Info	**MW01**
Date Acquired	**18-Dec-98**	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	

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Data File Name	**BN02394.D**	Sample Name	**4111.03**
Operator	**Skelton**	Misc Info	**MW01**
Date Acquired	**18-Dec-98**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **MW01**

Lab Name: FMETL Lab Cod 13461

Project: LTM Case No.: 4111 Location: CW-6 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4111.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02394.D

Level: (low/med) LOW Date Received: 12/4/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/7/98

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

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 001002-84-2	Pentadecanoic acid	19.84	15	JN
2. 000000-00-0	Acetamide, N-methyl-N-[4-[4-met	21.16	9	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN02397.D**	Sample Name	**4111.04**
Operator	**Skelton**	Misc Info	**MW02**
Date Acquired	**18-Dec-98**	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	**BN02397.D**	Sample Name	**4111.04**
Operator	**Skelton**	Misc Info	**MW02**
Date Acquired	**18-Dec-98**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **MW02**

Lab Name: FMETL Lab Cod 13461

Project: LTM Case No.: 4111 Location: CW-6 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4111.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02397.D

Level: (low/med) LOW Date Received: 12/4/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/7/98

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

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 074630-23-2	2-Decene, 7-methyl-, (Z)-	12.44	11	JN
2. 074630-23-2	2-Decene, 7-methyl-, (Z)-	12.55	8	JN
3. 000096-76-4	Phenol, 2,4-bis(1,1-dimethylethyl)	15.03	9	JN
4. 000057-10-3	Hexadecanoic acid	19.85	24	JN
5. 000506-12-7	Heptadecanoic acid	21.70	27	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN02398.D**	Sample Name	**4111.05**
Operator	**Skelton**	Misc Info	**MW03**
Date Acquired	**18-Dec-98**	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	**BN02398.D**	Sample Name	**4111.05**
Operator	**Skelton**	Misc Info	**MW03**
Date Acquired	**18-Dec-98**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **MW03**

Lab Name: FMETL Lab Cod 13461

Project: LTM Case No.: 4111 Location: CW-6 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4111.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02398.D

Level: (low/med) LOW Date Received: 12/4/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/7/98

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

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-10-3	Hexadecanoic acid	19.82	8	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN02399.D**	Sample Name	**4111.06**
Operator	**Skelton**	Misc Info	**MW034**
Date Acquired	**18-Dec-98**	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	**BN02399.D**	Sample Name	**4111.06**
Operator	**Skelton**	Misc Info	**MW034**
Date Acquired	**18-Dec-98**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **MW034**

Lab Name: FMETL Lab Cod 13461

Project: LTM Case No.: 4111 Location: CW-6 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 4111.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02399.D

Level: (low/med) LOW Date Received: 12/4/98

% Moisture: decanted: (Y/N) N Date Extracted: 12/7/98

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

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000-00-0	2-Ethyl-1-dodecanol	21.16	8	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN02400.D**	Sample Name	**4111.07**
Operator	**Skelton**	Misc Info	**Dupe**
Date Acquired	**18-Dec-98**	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	**BN02400.D**	Sample Name	**4111.07**
Operator	**Skelton**	Misc Info	**Dupe**
Date Acquired	**18-Dec-98**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Dupe**

Lab Name: FMETL Lab Cod 13461

Project: LTM Case No.: 4111 Location: CW-6 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4111.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02400.D

Level: (low/med) LOW Date Received: 12/4/98

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/7/98

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

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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

Client :	U.S. Army	**Lab. ID # :**	BLK257
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	12/7/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/31/98
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 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 # :**	4111.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	12/4/98
	Bldg. 173	**Extraction Date:**	12/7/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/30/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
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 t
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 # :**	4111.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	12/4/98
	Bldg. 173	**Extraction Date:**	12/7/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/30/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-01
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1	18.20	0.10	0.0022	**0.024**
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	16.86	0.50	0.0011	**0.050**
Gamma-chlordane	1	16.58	0.50	0.0009	**0.021**
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 ı
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 # :**	4111.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	12/4/98
	Bldg. 173	**Extraction Date:**	12/7/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/31/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-02
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 ι

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 # :**	4111.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	12/4/98
	Bldg. 173	**Extraction Date:**	12/7/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/31/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-03
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 t
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 # :**	4111.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	12/4/98
	Bldg. 173	**Extraction Date:**	12/7/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/31/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	MW-34
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 # :**	4111.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	12/4/98
	Bldg. 173	**Extraction Date:**	12/7/98
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/31/98
Analysis:	EPA Method 608	**Location :**	CW-6 (2044)
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 ı

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 #: 4111
Sample Prepared: 12/16/98

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	12/17/98	32.7	200	10.0
Antimony	12/17/98	4.31	20	2.0
Arsenic	12/17/98	ND	8	2.0
Barium	12/17/98	1.94	2000	0.5
Beryllium	12/17/98	ND	20	0.5
Cadmium	12/17/98	ND	4	0.5
Calcium	12/17/98	71.0	NLE	20.0
Chromium	12/17/98	ND	100	0.5
Cobalt	12/17/98	ND	NLE	0.5
Copper	12/17/98	ND	1000	3.0
Iron	12/17/98	ND	300	10.0
Lead	12/17/98	ND	10	2.0
Magnesium	12/17/98	55.5	NLE	20.0
Manganese	12/17/98	ND	50	0.5
Mercury	12/14/98	ND	2	0.1
Nickel	12/17/98	1.28	100	0.5
Potassium	12/17/98	269	NLE	20.0
Selenium	12/17/98	ND	50	3.0
Silver	12/17/98	ND	20	3.0
Sodium	12/17/98	199	50000	20.0
Thallium	12/17/98	ND	10	3.0
Vanadium	12/17/98	ND	NLE	1.0
Zinc	12/17/98	2.17	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 #: 4111.02
Sample Received: 12/04/98
Sample Matrix: Aqueous

Site: 296
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	12/17/98	ND	200	10.0
Antimony	12/17/98	ND	20	2.0
Arsenic	12/17/98	ND	8	2.0
Barium	12/17/98	ND	2000	0.5
Beryllium	12/17/98	ND	20	0.5
Cadmium	12/17/98	ND	4	0.5
Calcium	12/17/98	40.7	NLE	20.0
Chromium	12/17/98	0.625	100	0.5
Cobalt	12/17/98	ND	NLE	0.5
Copper	12/17/98	ND	1000	3.0
Iron	12/17/98	ND	300	10.0
Lead	12/17/98	ND	10	2.0
Magnesium	12/17/98	ND	NLE	20.0
Manganese	12/17/98	0.835	50	0.5
Mercury	12/14/98	0.29	2	0.1
Nickel	12/17/98	1.75	100	0.5
Potassium	12/17/98	164	NLE	20.0
Selenium	12/17/98	ND	50	3.0
Silver	12/17/98	ND	20	3.0
Sodium	12/17/98	1320	50000	20.0
Thallium	12/17/98	ND	10	3.0
Vanadium	12/17/98	ND	NLE	1.0
Zinc	12/17/98	33.0	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

Lab ID #: 4111.03
Sample Received: 12/04/98
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: MW-01

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	12/17/98	237	200	10.0
Antimony	12/17/98	2.46	20	2.0
Arsenic	12/17/98	10.8	8	2.0
Barium	12/17/98	22.9	2000	0.5
Beryllium	12/17/98	ND	20	0.5
Cadmium	12/17/98	ND	4	0.5
Calcium	12/17/98	56100	NLE	20.0
Chromium	12/17/98	7.36	100	0.5
Cobalt	12/17/98	1.67	NLE	0.5
Copper	12/17/98	24.9	1000	3.0
Iron	12/17/98	2190	300	10.0
Lead	12/17/98	3.17	10	2.0
Magnesium	12/17/98	12300	NLE	20.0
Manganese	12/17/98	516	50	0.5
Mercury	12/14/98	0.44	2	0.1
Nickel	12/17/98	5.71	100	0.5
Potassium	12/17/98	2410	NLE	20.0
Selenium	12/17/98	4.07	50	3.0
Silver	12/17/98	ND	20	3.0
Sodium	12/17/98	20200	50000	20.0
Thallium	12/17/98	ND	10	3.0
Vanadium	12/17/98	6.14	NLE	1.0
Zinc	12/17/98	35.1	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 #: 4111.04
Sample Received: 12/04/98
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: MW-02

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	12/17/98	5040	200	10.0
Antimony	12/17/98	2.40	20	2.0
Arsenic	12/17/98	ND	8	2.0
Barium	12/17/98	63.4	2000	0.5
Beryllium	12/17/98	ND	20	0.5
Cadmium	12/17/98	ND	4	0.5
Calcium	12/17/98	6240	NLE	20.0
Chromium	12/17/98	8.29	100	0.5
Cobalt	12/17/98	5.52	NLE	0.5
Copper	12/17/98	4.15	1000	3.0
Iron	12/17/98	3500	300	10.0
Lead	12/17/98	8.28	10	2.0
Magnesium	12/17/98	3660	NLE	20.0
Manganese	12/17/98	78.6	50	0.5
Mercury	12/14/98	ND	2	0.1
Nickel	12/17/98	11.7	100	0.5
Potassium	12/17/98	2200	NLE	20.0
Selenium	12/17/98	ND	50	3.0
Silver	12/17/98	ND	20	3.0
Sodium	12/17/98	27700	50000	20.0
Thallium	12/17/98	ND	10	3.0
Vanadium	12/17/98	6.28	NLE	1.0
Zinc	12/17/98	96.3	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 #: 4111.05
Sample Received: 12/04/98
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: MW-03

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	12/17/98	425	200	10.0
Antimony	12/17/98	ND	20	2.0
Arsenic	12/17/98	ND	8	2.0
Barium	12/17/98	43.3	2000	0.5
Beryllium	12/17/98	ND	20	0.5
Cadmium	12/17/98	ND	4	0.5
Calcium	12/17/98	10200	NLE	20.0
Chromium	12/17/98	3.82	100	0.5
Cobalt	12/17/98	781	NLE	0.5
Copper	12/17/98	ND	1000	3.0
Iron	12/17/98	781	300	10.0
Lead	12/17/98	ND	10	2.0
Magnesium	12/17/98	3120	NLE	20.0
Manganese	12/17/98	28.5	50	0.5
Mercury	12/14/98	ND	2	0.1
Nickel	12/17/98	5.95	100	0.5
Potassium	12/17/98	936	NLE	20.0
Selenium	12/17/98	ND	50	3.0
Silver	12/17/98	ND	20	3.0
Sodium	12/17/98	8720	50000	20.0
Thallium	12/17/98	ND	10	3.0
Vanadium	12/17/98	1.92	NLE	1.0
Zinc	12/17/98	46.2	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 #: 4111.06
Sample Received: 12/04/98
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: MW-34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	12/17/98	434	200	10.0
Antimony	12/17/98	3.09	20	2.0
Arsenic	12/17/98	ND	8	2.0
Barium	12/17/98	42.4	2000	0.5
Beryllium	12/17/98	ND	20	0.5
Cadmium	12/17/98	ND	4	0.5
Calcium	12/17/98	5450	NLE	20.0
Chromium	12/17/98	4.00	100	0.5
Cobalt	12/17/98	1.61	NLE	0.5
Copper	12/17/98	10.7	1000	3.0
Iron	12/17/98	2280	300	10.0
Lead	12/17/98	ND	10	2.0
Magnesium	12/17/98	2350	NLE	20.0
Manganese	12/17/98	27.1	50	0.5
Mercury	12/14/98	0.11	2	0.1
Nickel	12/17/98	7.26	100	0.5
Potassium	12/17/98	1930	NLE	20.0
Selenium	12/17/98	ND	50	3.0
Silver	12/17/98	ND	20	3.0
Sodium	12/17/98	14400	50000	20.0
Thallium	12/17/98	ND	10	3.0
Vanadium	12/17/98	2.39	NLE	1.0
Zinc	12/17/98	125	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 #: 4111.07
Sample Received: 12/04/98
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: Dupe

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Aluminum	12/17/98	427	200	10.0
Antimony	12/17/98	ND	20	2.0
Arsenic	12/17/98	ND	8	2.0
Barium	12/17/98	40.8	2000	0.5
Beryllium	12/17/98	ND	20	0.5
Cadmium	12/17/98	2.34	4	0.5
Calcium	12/17/98	5500	NLE	20.0
Chromium	12/17/98	3.97	100	0.5
Cobalt	12/17/98	1.65	NLE	0.5
Copper	12/17/98	23.2	1000	3.0
Iron	12/17/98	2440	300	10.0
Lead	12/17/98	2.31	10	2.0
Magnesium	12/17/98	2350	NLE	20.0
Manganese	12/17/98	28.4	50	0.5
Mercury	12/14/98	0.29	2	0.1
Nickel	12/17/98	6.68	100	0.5
Potassium	12/17/98	1980	NLE	20.0
Selenium	12/17/98	ND	50	3.0
Silver	12/17/98	ND	20	3.0
Sodium	12/17/98	14600	50000	20.0
Thallium	12/17/98	ND	10	3.0
Vanadium	12/17/98	2.58	NLE	1.0
Zinc	12/17/98	154	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

	Lab	Di-n-butyl phthalate	Butyl benzyl phthalate	bis(2-Ethylhexyl) phthalate	Unknown Hydro carbon	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	900	100	30	NLE	0:2	0.1	0.5	0.5	200	-
04/30/97	FMETL	ND	0.65	ND	ND	0.029	0.026	0.057	0.038	290	V,S,P,M
09/02/97	FMETL	ND	ND	ND	24	0.035	0.027	0.096	0.054	361	V,S,P,M
12/01/97	FMETL	1.88	ND	ND	ND	0.024	0.023	0.057	0.025	303	V,S.P.M
03/05/98	FMETL	ND	ND	1.16	ND	0.026	0.014	0.031	0.025	374	V,S,P,M
06/15/98	FMETL	ND	ND	ND	ND	0.020	ND	0.054	0.031	541	V,S,P,M
09/22/98	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	77700	V,S.P,M
12/04/98	FMETL	ND	ND	ND	ND	ND	0.024	0.050	0.021	237	V,S,P,M

SOURCE: MW1

Sampling Dates:
04/30/97 - 12/04/98

NOTES:

Page 1 of 2.

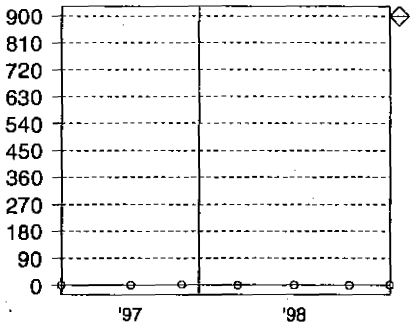
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

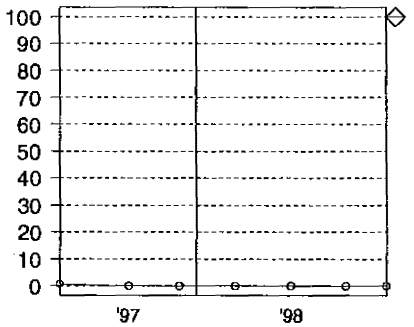
Well 1 of 4

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

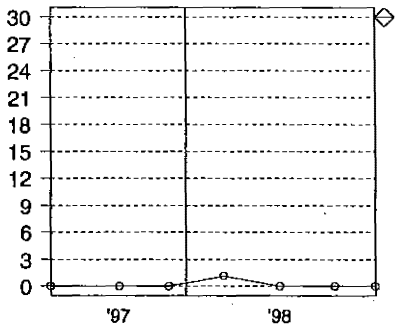
Di-n-butylphthalate
(ug/l)



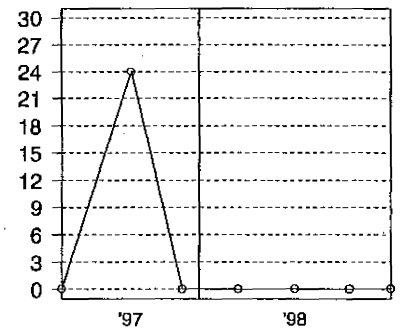
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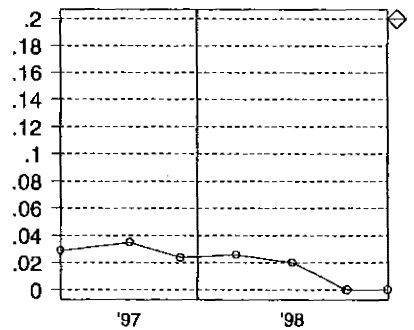
bis(2-ethylhexyl)phthalate
(ug/l)



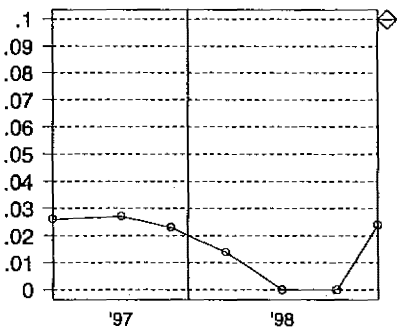
Unknown Hydrocarbon
(ug/l)



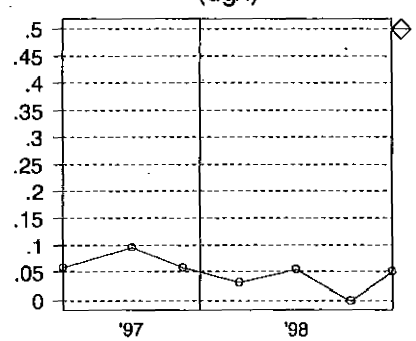
Heptachlor Epoxide
(ug/l)



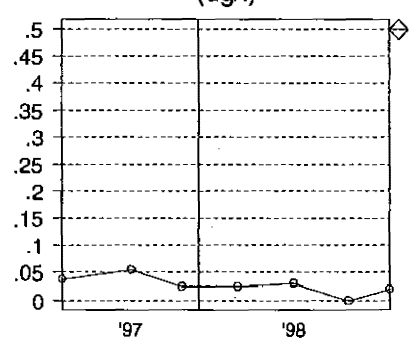
4,4'DDD
(ug/l)



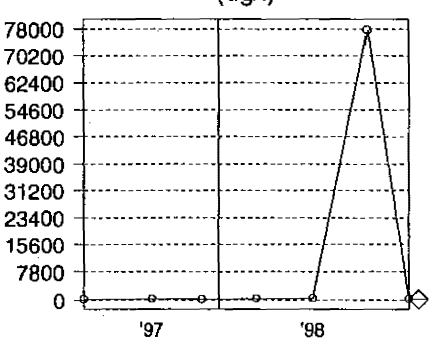
Alpha-chlordane
(ug/l)



Gamma-chlordane
(ug/l)



Aluminum
(ug/l)



SOURCE: MW1

Sampling Dates:
04/30/97 - 12/04/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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

01-25-1999 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Arsenic	Iron	Silver	Sodium	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	8	300	20	50000	-					-
04/30/97	FMETL	2.0	1880	21	24000	3.60					V,S,P,M
09/02/97	FMETL	4.0	790	6.0	23730	4.80					V,S,P,M
12/01/97	FMETL	ND	468	ND	17300	4.20					V,S.P.M
03/05/98	FMETL	ND	1953	ND	18070	3.38					V,S,P,M
06/15/98	FMETL	5.1	2414	ND	20990	3.47					V,S,P,M
09/22/98	FMETL	88	112000	ND	107000	6.21					V,S.P,M
12/04/98	FMETL	10.8	2190	ND	20200	8.25					V,S,P,M

SOURCE: MW1

Sampling Dates:
04/30/97 - 12/04/98

NOTES:

Page 2 of 2.

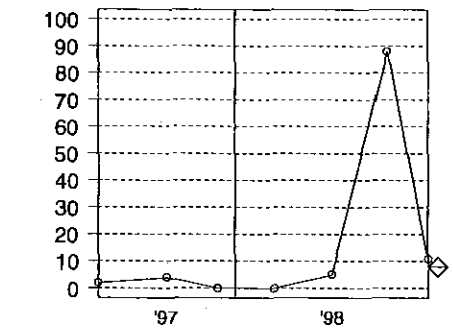
FORT MONMOUTH

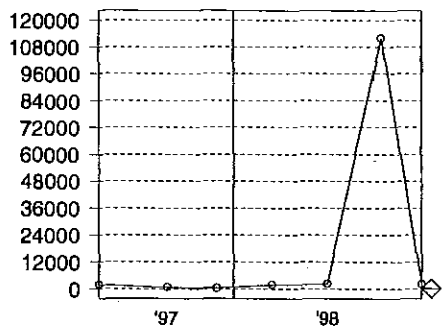
GW MONITORING
CW-6 Bldg. 2044

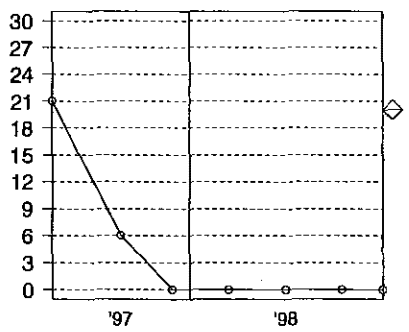
Well 1 of 4

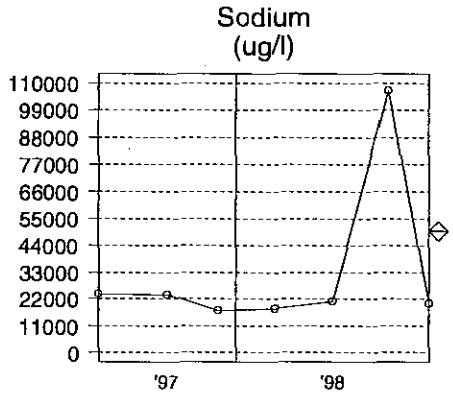
U.S. ARMY
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SELFM-PW-EV

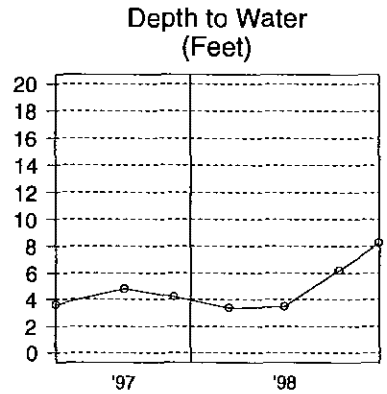
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SOURCE: MW1

Sampling Dates:
04/30/97 - 12/04/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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01-25-1999 c:\mtech46\lm\2044a\gw\2044.wsf

	Lab	Di-n-butyl phthalate	Butyl benzyl phthalate	bis(2-Ethylhexyl) phthalate	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	900	100	30	0.2	0.1	0.5	0.5	200	8	-
04/30/97	FMETL	81	19	5	ND	ND	ND	ND	260	22	V,S,P,M
08/29/97	FMETL	ND	ND	ND	-	-	-	-	2600	6	V,S,P,M
12/01/97	FMETL	1.12	ND	ND	ND	ND	ND	ND	10060	7	V,S,P,M
03/05/98	FMETL	ND	ND	ND	ND	ND	ND	ND	28570	17.9	V,S,P,M
06/15/98	FMETL	ND	ND	ND	ND	ND	ND	ND	37960	48.1	V,S,P,M
09/22/98	FMETL	ND	ND	ND	0.023	0.026	0.056	0.033	630	13	V,S,P,M
12/04/98	FMETL	ND	ND	ND	ND	ND	ND	ND	5040	ND	V,S,P,M

SOURCE: MW2

Sampling Dates:
04/30/97 - 12/04/98

NOTES:

Page 1 of 2.

FORT MONMOUTH

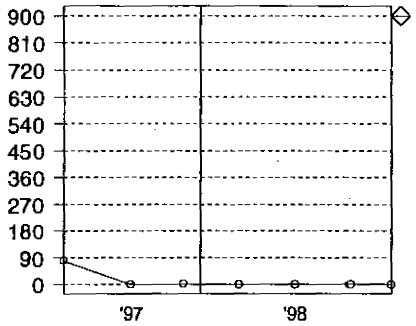
GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4

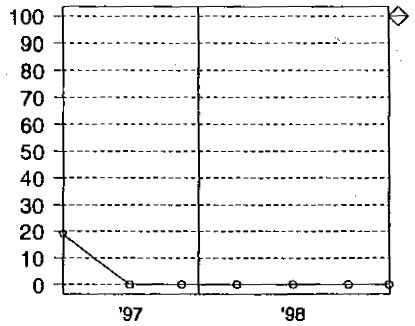
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FORT MONMOUTH
SELFM-PW-EV

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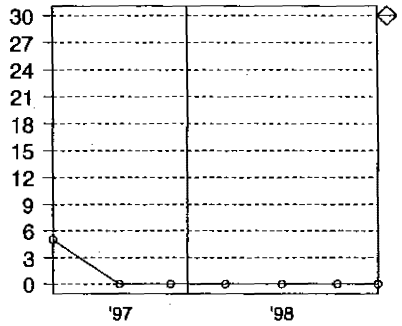
Di-n-butylphthalate (ug/l)



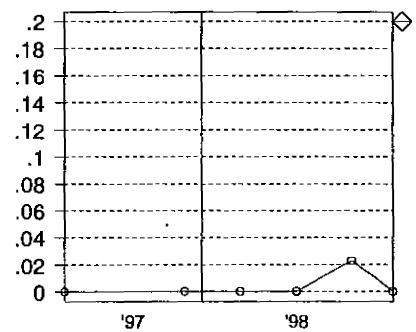
Butylbenzylphthalate (ug/l)



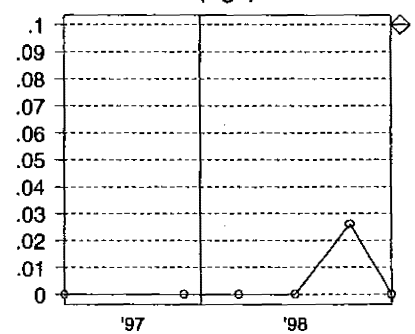
bis(2-ethylhexyl)phthalate (ug/l)



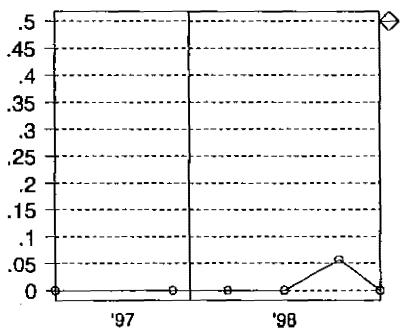
Heptachlor Epoxide (ug/l)



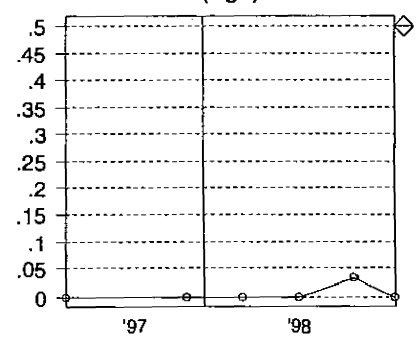
4,4'DDD (ug/l)



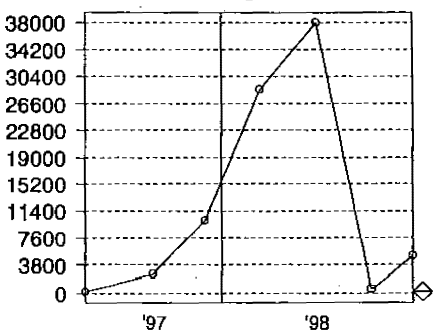
Alpha-chlordane (ug/l)



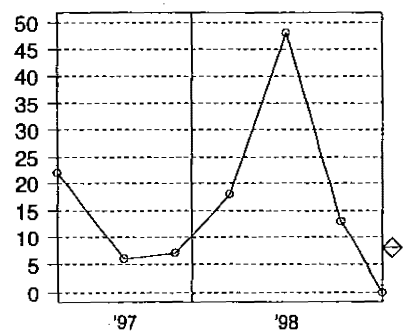
Gamma-chlordane (ug/l)



Aluminum (ug/l)



Arsenic (ug/l)



SOURCE: MW2

Sampling Dates:
04/30/97 - 12/04/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4, Graph

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FORT MONMOUTH
SELFM-PW-EV

01-25-1999 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Iron	Silver	Sodium	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	300	20	50000	-						-
04/30/97	FMETL	76000	89	104500	3.03						V,S,P,M
08/29/97	FMETL	7140	ND	48940	5.80						V,S,P,M
12/01/97	FMETL	9940	ND	21000	4.10						V,S,P,M
03/05/98	FMETL	21390	ND	30750	2.81						V,S,P,M
06/15/98	FMETL	41540	ND	46240	3.06						V,S,P,M
09/22/98	FMETL	5450	ND	22200	6.22						V,S,P,M
12/04/98	FMETL	3500	ND	27700	6.51						V,S,P,M

SOURCE: MW2

Sampling Dates:
04/30/97 - 12/04/98

NOTES:

Page 2 of 2.

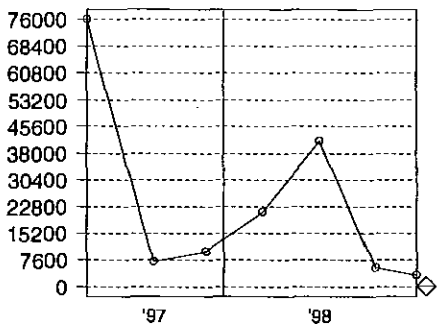
FORT MONMOUTH

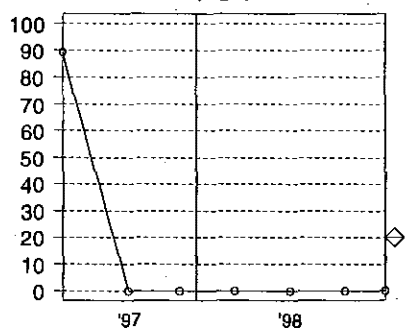
GW MONITORING
CW-6 Bldg. 2044

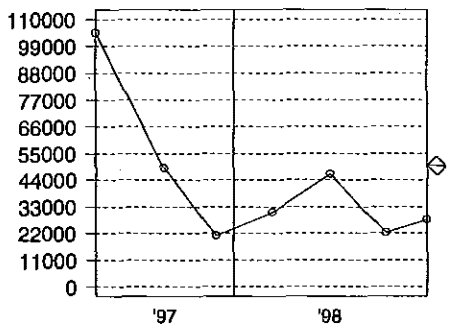
Well 2 of 4

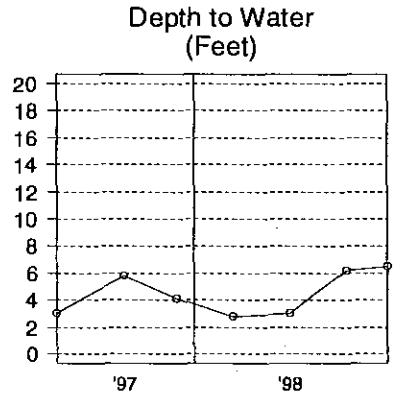
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

01-25-1999 c:\mtech46\fm\2044a\gw\2044.wsf









SOURCE: MW2

Sampling Dates:
04/30/97 - 12/04/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4, Graph

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

01-25-1999 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Di-n-butyl phthalate	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	900	200	8	300	20	50000	-			-
04/30/97	FMETL	ND	124	1.0	595	19	11000	3.90			V,S,P,M
08/29/97	FMETL	ND	292	ND	2490	ND	7090	6.50			V,S,P,M
12/01/97	FMETL	1.48	293	ND	538	ND	11830	4.80			V,S,P,M
03/05/98	FMETL	ND	506	ND	848	ND	10780	3.32			V,S,P,M
06/15/98	FMETL	ND	335	ND	1165	ND	10860	3.98			V,S,P,M
09/22/98	FMETL	ND	934	ND	3600	ND	7320	7.15			V,S,P,M
12/04/98	FMETL	ND	425	ND	781	ND	8720	7.37			V,S,P,M

SOURCE: MW3

Sampling Dates:
04/30/97 - 12/04/98

NOTES:

FORT MONMOUTH

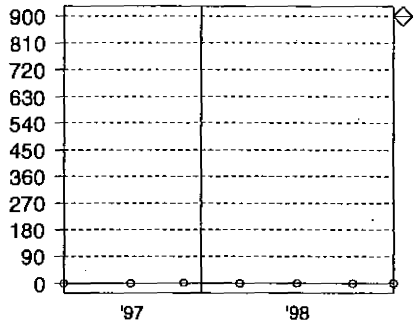
GW MONITORING
CW-6 Bldg. 2044

Well 3 of 4

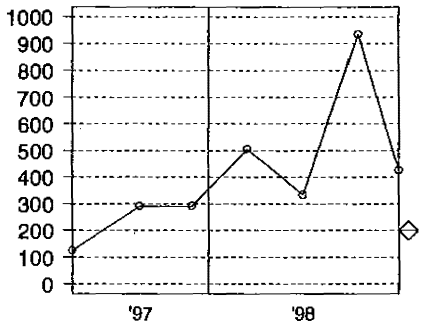
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

01-25-1999 c:\mtech46\fm\2044a\gw\2044.wsf

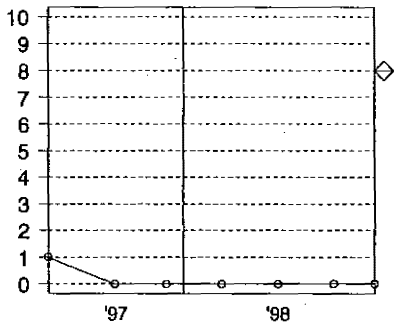
Di-n-butylphthalate (ug/l)



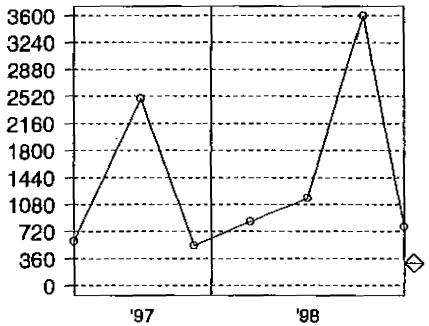
Aluminum (ug/l)



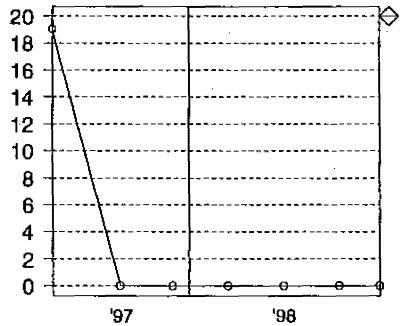
Arsenic (ug/l)



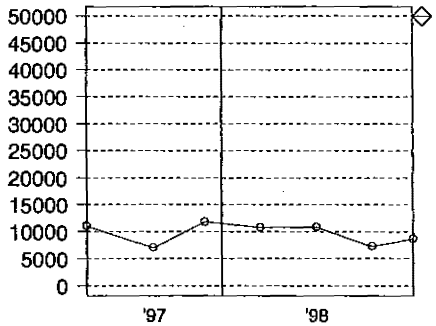
Iron (ug/l)



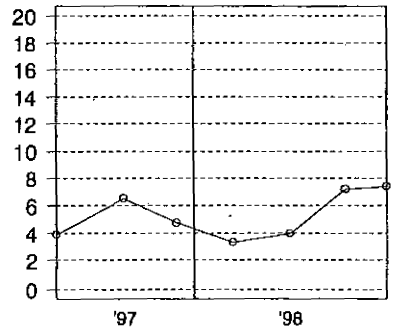
Silver (ug/l)



Sodium (ug/l)



Depth to Water (Feet)



SOURCE: MW3

Sampling Dates:
04/30/97 - 12/04/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 3 of 4, Graph

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

01-25-1999 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	8	300	20	50000	-				-
04/30/97	FMETL	48	2.0	2100	18	15500	3.75				V,S,P,M
09/02/97	FMETL	120	1.0	1380	13	16570	4.90				V,S,P,M
12/01/97	FMETL	348	ND	652	ND	15500	4.25				V,S,P,M
03/05/98	FMETL	385	ND	2212	ND	15940	3.78				V,S,P,M
06/15/98	FMETL	204	ND	2624	ND	15380	5.54				V,S,P,M
09/22/98	FMETL	360	6	9030	ND	16300	6.31				V,S,P,M
12/04/98	FMETL	434	ND	2280	ND	14400	6.01				V,S,P,M

SOURCE: MW34

Sampling Dates:
04/30/97 - 12/04/98

NOTES:

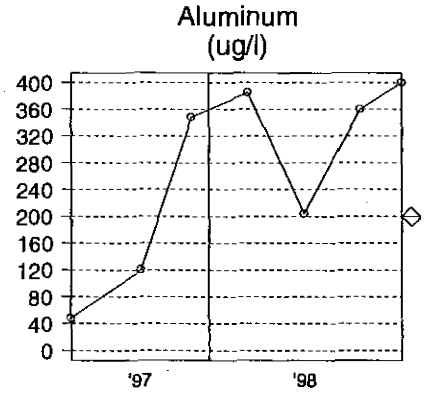
FORT MONMOUTH

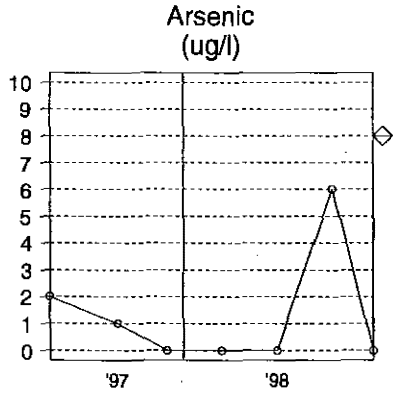
GW MONITORING
CW-6 Bldg. 2044

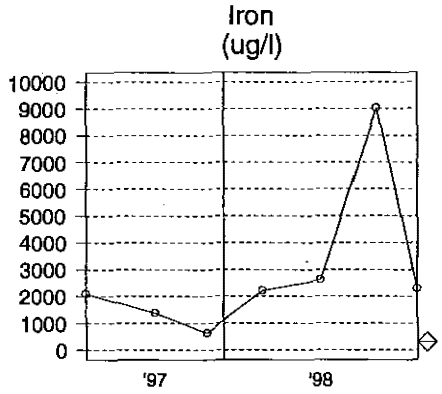
Well 4 of 4

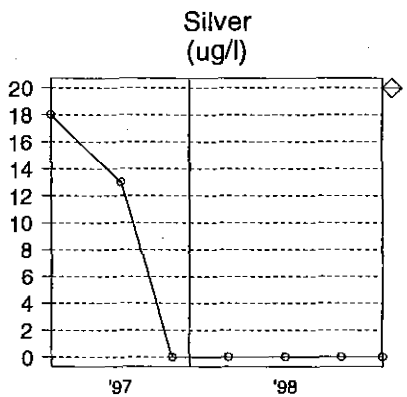
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

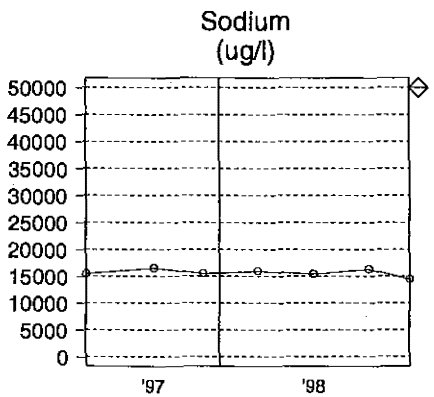
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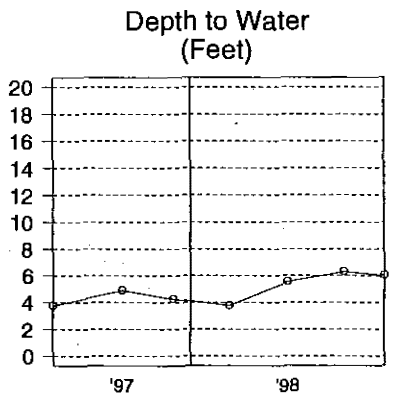












SOURCE: MW34

Sampling Dates:
04/30/97 - 12/04/98

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

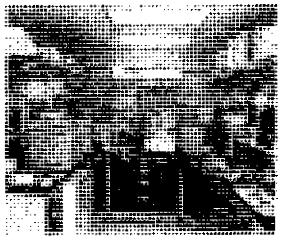
Well 4 of 4, Graph

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

01-25-1999 c:\mtech46\fm\2044a\gw\2044.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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4280.03	0CW6MW-01	29-30970	02/17/99
4280.04	0CW6MW-02	29-30971	02/17/99
4280.05	0CW6MW-03	29-30972	02/17/99
4280.06	0CW6MW-34	29-32599	02/17/99

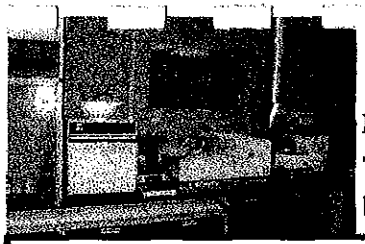
NJDEP Laboratory Certification # 13461

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 #: 427-2223
(✓)DERA ( )OMA ( )Other:_____
Project No:
Location: CW-6 (2044) mw's 1st Qtr '99
Samplers Name / Company : Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA's	BNA's	Pest/PCB	TAL MTLS				Hex Cr	Comments: Remarks / Preservation Method
														HCL/HNO_3/4°C
4280 .01	Trip	2/17/99	0747	AQ	2	✓								
.02	Field Blank		0900		5	✓	✓	✓	✓					
.03	mw-01		1052		5	✓	✓	✓	✓				✓	0.0 29-30970
.04	mw-02		1038		5	✓	✓	✓	✓				✓	0.0 29-30971
.05	mw-03		1033		5	✓	✓	✓	✓				✓	0.0 29-30972
.06	mw-34		1022		5	✓	✓	✓	✓				✓	0.0 29-32599
.07	Dupe		—		5	✓	✓	✓	✓					

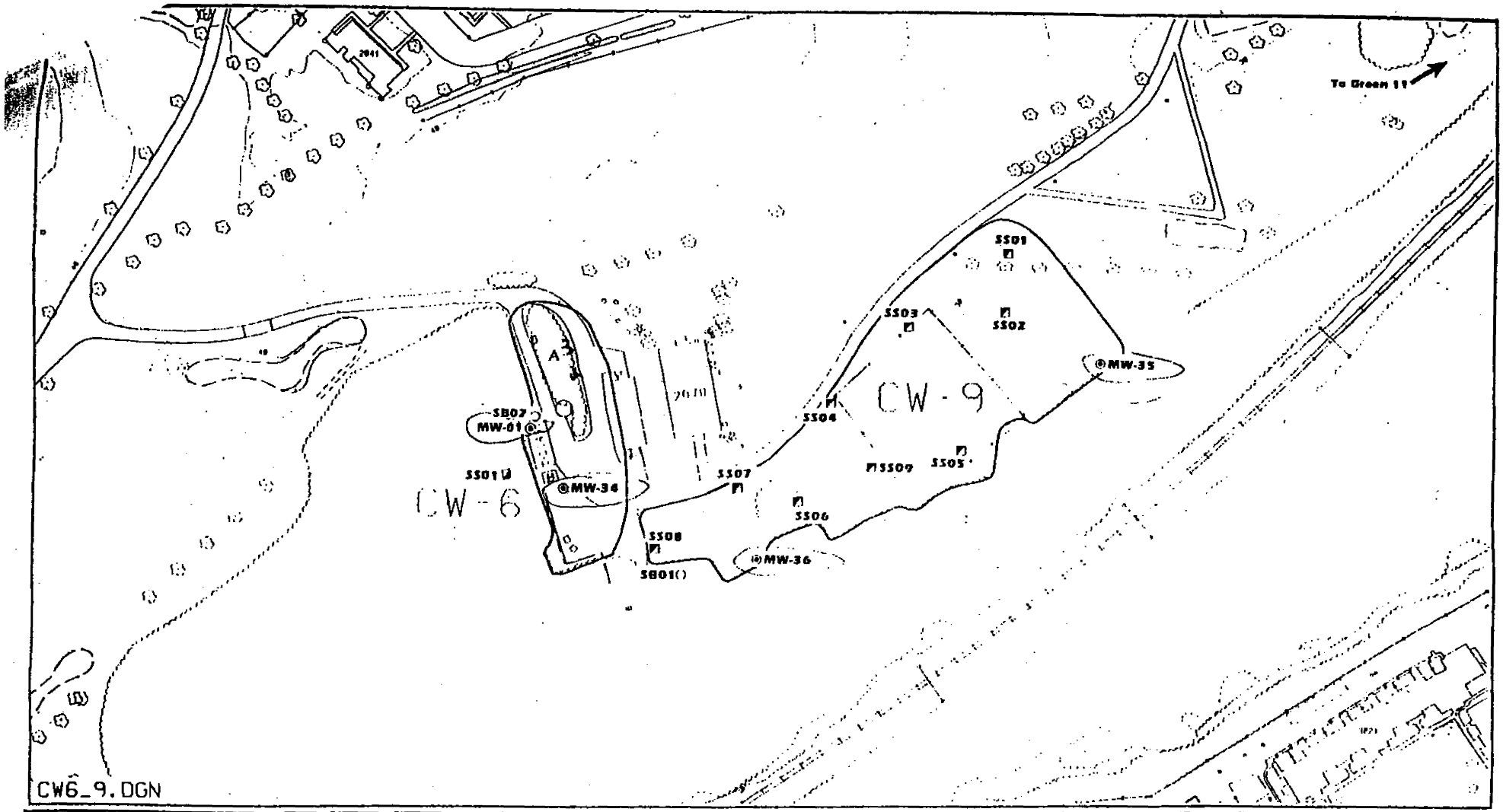
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	2/17/99 1500	J Heimer			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Shows Trip, Blank, Dupe with 2000, 2018, 2067 sites of same day; also
Tide: N/A

print legibly

coc2/8/99



LEGEND

Soil Boring
Monitor Well
Surface Soil Sampling Location
Road (paved)
Road (dirt) (proposed)
Fence
Building
Wooded Area
Tree Shrub
Light Pole
Utility Pole
Site
Road (dirt)
Base Boundary
Map Key Area
Approximate Boundary

0 100 200
SCALE IN FEET

Fort Monmouth, Charles Wood

FIGURE 4.3-13
PESTICIDE STORAGE BUILDING (CW-6) AND SLUDGE DUMP (CW-9) SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2044 / CW-6
MW#: 0CW6MW01
NJDEP ID #: 29-30970
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02/17/99
WEATHER: Foggy, overcast.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 35.06 ft
DEPTH TO WATER: 4.24 ft
DEPTH OF WELL: 17.89 ft
HEIGHT OF WATER: 13.65 ft
(13.65) X .65 X 3 = 26.61
GALLONS OF H2O TO BE PURGED: 27 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:56
pH 6.11 su TEMP 10.1 °C
DISSOLVED O2 10.23 ppm SPECIFIC CONDUCTIVITY 395 us/cm

PURGE END TIME: 10:52
pH 6.25 su TEMP 9.4 °C
DISSOLVED O2 4.11 ppm SPECIFIC CONDUCTIVITY 397 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 4.31 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 27 gal

pH 6.24 su TEMP 9.2 °C
DISSOLVED O2 4.07 ppm SPECIFIC CONDUCTIVITY 396 us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2044 / CW-6
MW#: 0CW6MW02
NJDEP ID #: 29-30971
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02/17/99
WEATHER: Foggy, overcast.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 35.05 ft
DEPTH TO WATER: 4.11 ft
DEPTH OF WELL: 16.80 ft
HEIGHT OF WATER: 12.69 ft
(12.69) X .65 X 3 = 24.74
GALLONS OF H2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:50
pH 5.50 su TEMP 10.0 °C
DISSOLVED O2 10.19 ppm SPECIFIC CONDUCTIVITY 266 us/cm

PURGE END TIME: 10:38
pH 5.51 su TEMP 9.5 °C
DISSOLVED O2 3.76 ppm SPECIFIC CONDUCTIVITY 266 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 5.91 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 25 gal

pH 5.55 su TEMP 9.3 °C
DISSOLVED O2 3.69 ppm SPECIFIC CONDUCTIVITY 266 us/cm

COMMENTS: Cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2044 / CW-6
MW#: 0CW6MW03
NJDEP ID #: 29-30972
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02/17/99
WEATHER: Foggy, overcast.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 36.34 ft
DEPTH TO WATER: 4.73 ft
DEPTH OF WELL: 17.78 ft
HEIGHT OF WATER: 13.05 ft
(13.05) X .65 X 3 = 25.44
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: 0.5 ppm

PURGE START TIME: 08:45
pH 5.57 su TEMP 10.1 °C
DISSOLVED O2 10.11 ppm SPECIFIC CONDUCTIVITY 144 us/cm

PURGE END TIME: 10.33
pH 5.50 su TEMP 9.3 °C
DISSOLVED O2 3.97 ppm SPECIFIC CONDUCTIVITY 145 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 4.86 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

pH 5.49 su TEMP 9.1 °C
DISSOLVED O2 3.91 ppm SPECIFIC CONDUCTIVITY 144 us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2044 / CW-6
MW#: 0CW6MW34
NJDEP ID #: 29-32599
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02/17/99
WEATHER: Foggy, overcast.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 33.76 ft
DEPTH TO WATER: 4.23 ft
DEPTH OF WELL: 16.90 ft
HEIGHT OF WATER: 12.71 ft
(12.71) X .65 X 3 = 24.78
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: 08:34
pH 5.54 su TEMP 10.3 °C
DISSOLVED O2 10.71 ppm SPECIFIC CONDUCTIVITY 171 us/cm

PURGE END TIME: 10:22
pH 5.53 su TEMP 9.9 °C
DISSOLVED O2 4.37 ppm SPECIFIC CONDUCTIVITY 170 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 4.39 ft
(SAMPLING METHOD: DEDICATED(LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

pH 5.51 su TEMP 9.4 °C
DISSOLVED O2 4.32 ppm SPECIFIC CONDUCTIVITY 172 us/cm

COMMENTS: DUP HERE.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2044 / CW-6
MW#: 0CW6MW35
NJDEP ID #: 29-32600
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02 / 17 / 99
WEATHER: Foggy, overcast.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 33.76 ft
DEPTH TO WATER: 4.48 ft
DEPTH OF WELL: 16.90 ft
HEIGHT OF WATER: ft
( ) X 0.163 X 3 =
GALLONS OF H2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: GPM
Hnu READING: PPM

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 PPM SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 PPM SPECIFIC CONDUCTIVITY us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: gal

pH su TEMP °C
DISSOLVED O_2 PPM SPECIFIC CONDUCTIVITY us/cm

COMMENTS: Depth to water, only.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2044 / CW-6
MW#: 0CW6MW36
NJDEP ID #: 29-32601
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02 / 17 / 99
WEATHER: Foggy, overcast.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 33.21 ft
DEPTH TO WATER: 6.09 ft
DEPTH OF WELL: 16.65 ft
HEIGHT OF WATER: ft
( ) X 0.163 X 3 =
GALLONS OF H2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: GPM
Hnu READING: PPM

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 PPM SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 PPM SPECIFIC CONDUCTIVITY us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: gal

pH su TEMP °C
DISSOLVED O_2 PPM SPECIFIC CONDUCTIVITY us/cm

COMMENTS: Depth to water, only.

CASE NARRATIVE

Site: CW-6
Lab ID: 4280

The duplicate analysis was performed on 0CW6MW34 (Lab ID 4280.06).

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	**VB02748.D**	Sample Name	**Vblk84**
Operator	**Skelton**	Field ID	**Vblk84**
Date Acquired	**23-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: **Vblk84**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4280 SDG No _____ Location CW6

Matrix: (soil/water) WATER Lab Sample ID: Vblk84

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02748.D

Level: (low/med) LOW Date Received: 2/17/99

% Moisture: not dec. _____ Date Analyzed: 2/23/99

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	**VB02765.D**	Sample Name	**4280.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**24-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.: 4280 SDG No _____ Location CW6

Matrix: (soil/water) WATER Lab Sample ID: 4280.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02765.D

Level: (low/med) LOW Date Received: 2/17/99

% Moisture: not dec. _____ Date Analyzed: 2/24/99

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	**VB02766.D**	Sample Name	**4280.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**24-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: **Field Blank**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4280 SDG No _____ Location CW6

Matrix: (soil/water) WATER Lab Sample ID: 4280.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02766.D

Level: (low/med) LOW Date Received: 2/17/99

% Moisture: not dec. _____ Date Analyzed: 2/24/99

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	**VB02767.D**	Sample Name	**4280.03**
Operator	**Skelton**	Field ID	**0CW6MW01**
Date Acquired	**24-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: **0CW6MW01**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4280 SDG No _____ Location CW6

Matrix: (soil/water) WATER Lab Sample ID: 4280.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02767.D

Level: (low/med) LOW Date Received: 2/17/99

% Moisture: not dec. _____ Date Analyzed: 2/24/99

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	**VB02768.D**	Sample Name	**4280.04**
Operator	**Skelton**	Field ID	**0CW6MW02**
Date Acquired	**24-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	17.49	42829	1.38 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

FIELD ID: **0CW6MW02**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4280 SDG No _____ Location CW6

Matrix: (soil/water) WATER Lab Sample ID: 4280.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02768.D

Level: (low/med) LOW Date Received: 2/17/99

% Moisture: not dec. _____ Date Analyzed: 2/24/99

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	**VB02769.D**	Sample Name	**4280.05**
Operator	**Skelton**	Field ID	**0CW6MW03**
Date Acquired	**24-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: **0CW6MW03**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4280 SDG No _____ Location CW6

Matrix: (soil/water) WATER Lab Sample ID: 4280.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02769.D

Level: (low/med) LOW Date Received: 2/17/99

% Moisture: not dec. _____ Date Analyzed: 2/24/99

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	**VB02770.D**	Sample Name	**4280.06**
Operator	**Skelton**	Field ID	**0CW6MW34**
Date Acquired	**24-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: **0CW6MW34**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4280 SDG No _____ Location CW6

Matrix: (soil/water) WATER Lab Sample ID: 4280.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02770.D

Level: (low/med) LOW Date Received: 2/17/99

% Moisture: not dec. _____ Date Analyzed: 2/24/99

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	**VB02771.D**	Sample Name	**4280.07**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**24-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: **Dupe**

Lab Name: FMETL Project LTM

NJDEP# 13461 Case No.: 4280 SDG No _____ Location CW6

Matrix: (soil/water) WATER Lab Sample ID: 4280.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB02771.D

Level: (low/med) LOW Date Received: 2/17/99

% Moisture: not dec. _____ Date Analyzed: 2/24/99

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	**BN02853.D**	Sample Name	**Sblk207**
Operator	**Bhaskar**	Misc Info	**Sblk207 A 990218**
Date Acquired	**23-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	**BN02853.D**	Sample Name	**Sblk207**
Operator	**Bhaskar**	Misc Info	**Sblk207 A 990218**
Date Acquired	**23-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: **Sblk207**

Lab Name: FMETL Lab Cod 13461

Project: LTM Case No.: 4280 Location: CW-6 (SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: Sblk207

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02853.D

Level: (low/med) LOW Date Received: 2/17/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 2/18/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/99

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	**BN02855.D**	Sample Name	**4280.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**23-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	**BN02855.D**	Sample Name	**4280.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**23-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	24.47	119990	3.73 ug/L	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 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: LTM Case No.: 4280 Location: CW-6 (SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 4280.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02855.D

Level: (low/med) LOW Date Received: 2/17/99

% Moisture: decanted: (Y/N) N Date Extracted: 2/18/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/99

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	**BN02856.D**	Sample Name	**4280.03**
Operator	**Bhaskar**	Misc Info	**0CW6MW01**
Date Acquired	**23-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	**BN02856.D**	Sample Name	**4280.03**
Operator	**Bhaskar**	Misc Info	**0CW6MW01**
Date Acquired	**23-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: **0CW6MW01**

Lab Name: FMETL Lab Cod 13461

Project: LTM Case No.: 4280 Location: CW-6 (SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4280.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02856.D

Level: (low/med) LOW Date Received: 2/17/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 2/18/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/99

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. 000103-23-1	Hexanedioic acid, bis(2-ethylhexy	23.28	9	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN02857.D**	Sample Name	**4280.04**
Operator	**Bhaskar**	Misc Info	**0CW6MW02**
Date Acquired	**23-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	

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Data File Name	**BN02857.D**	Sample Name	**4280.04**
Operator	**Bhaskar**	Misc Info	**0CW6MW02**
Date Acquired	**23-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	24.43	43714	1.53 ug/L	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate	25.88	88986	1.89 ug/L	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: **0CW6MW02**

Lab Name: FMETL Lab Cod 13461

Project: LTM Case No.: 4280 Location: CW-6 (SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4280.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02857.D

Level: (low/med) LOW Date Received: 2/17/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 2/18/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

Number TICs found: 12 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000104-87-0	Benzaldehyde, 4-methyl-	8.69	14	JN
2.	unknown	11.98	15	J
3.	unknown	12.09	23	J
4.	unknown	12.21	18	J
5. 000096-76-4	Phenol, 2,4-bis(1,1-dimethylethyl)	14.69	22	JN
6.	unknown	15.08	9	J
7.	unknown	17.37	9	J
8.	unknown	17.48	19	J
9.	unknown	17.57	8	J
10.	unknown	17.82	9	J
11. 000057-10-3	Hexadecanoic acid	19.52	34	JN
12. 000057-11-4	Octadecanoic acid	21.36	57	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN02858.D**	Sample Name	**4280.05**
Operator	**Bhaskar**	Misc Info	**0CW6MW03**
Date Acquired	**23-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	

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Data File Name	**BN02858.D**	Sample Name	**4280.05**
Operator	**Bhaskar**	Misc Info	**0CW6MW03**
Date Acquired	**23-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: **0CW6MW03**

Lab Name: FMETL Lab Cod 13461

Project: LTM Case No.: 4280 Location: CW-6 (SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4280.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02858.D

Level: (low/med) LOW Date Received: 2/17/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 2/18/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/99

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	23.28	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN02859.D**	Sample Name	**4280.06**
Operator	**Bhaskar**	Misc Info	**0CW6MW34**
Date Acquired	**23-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	

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Data File Name	**BN02859.D**	Sample Name	**4280.06**
Operator	**Bhaskar**	Misc Info	**0CW6MW34**
Date Acquired	**23-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: **0CW6MW34**

Lab Name: FMETL Lab Cod 13461

Project: LTM Case No.: 4280 Location: CW-6 (SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 4280.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02859.D

Level: (low/med) LOW Date Received: 2/17/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 2/18/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/99

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	23.29	16	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN02860.D**	Sample Name	**4280.07**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**23-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	**BN02860.D**	Sample Name	**4280.07**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**23-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: **Dupe**

Lab Name: FMETL Lab Cod 13461

Project: LTM Case No.: 4280 Location: CW-6 (SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 4280.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN02860.D

Level: (low/med) LOW Date Received: 2/17/99

% Moisture: decanted: (Y/N) N Date Extracted: 2/18/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	23.29	21	J

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

Client :	U.S. Army	**Lab. ID # :**	BLK291
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	2/19/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/27/99
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 # :**	4280.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/17/99
	Bldg. 173	**Extraction Date:**	2/19/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/27/99
Analysis:	EPA Method 608	**Location :**	CW-6 (2044) 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 # :**	4280.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/17/99
	Bldg. 173	**Extraction Date:**	2/19/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/27/99
Analysis:	EPA Method 608	**Location :**	CW-6 (2044) MWs
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	0CW6MW01
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	14.49	0.20	0.0009	**0.028**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1	16.51	0.10	0.0022	**0.013**
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	15.03	0.50	0.0011	**0.062**
Gamma-chlordane	1	14.76	0.50	0.0009	**0.030**
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 # :**	4280.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/17/99
	Bldg. 173	**Extraction Date:**	2/19/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/28/99
Analysis:	EPA Method 608	**Location :**	CW-6 (2044) MWs
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	0CW6MW02
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 # :**	4280.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/17/99
	Bldg. 173	**Extraction Date:**	2/19/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/28/99
Analysis:	EPA Method 608	**Location :**	CW-6 (2044) MWs
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	0CW6MW03
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	15.25	0.10	0.0009	**0.009**
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 # :**	4280.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/17/99
	Bldg. 173	**Extraction Date:**	2/19/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/28/99
Analysis:	EPA Method 608	**Location :**	CW-6 (2044) MWs
Matrix:	Aqueous		
Analyst:	D. Wright	**Field ID:**	0CW6MW34
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 # :**	4280.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/17/99
	Bldg. 173	**Extraction Date:**	2/19/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/28/99
Analysis:	EPA Method 608	**Location :**	CW-6 (2044) 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 #: 4280
Sample Prepared: 02/19/99

Site: CW-6
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	02/23/99	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 #: 4280
Sample Prepared: 02/19/99

Site: CW-6
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	02/23/99	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 #: 4280.02
Sample Received: 02/17/99
Sample Matrix: Aqueous

Site: CW-6
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	ND	200	10.0
Antimony	02/22/99	ND	20	2.0
Arsenic	02/22/99	ND	8	2.0
Barium	02/22/99	ND	2000	0.5
Beryllium	02/22/99	ND	20	0.5
Cadmium	02/22/99	1.71	4	0.5
Calcium	02/22/99	ND	NLE	20.0
Chromium	02/22/99	ND	100	0.5
Cobalt	02/22/99	ND	NLE	0.5
Copper	02/22/99	5.74	1000	3.0
Iron	02/22/99	16.5	300	10.0
Lead	02/22/99	ND	10	2.0
Magnesium	02/22/99	25.7	NLE	20.0
Manganese	02/22/99	3.13	50	0.5
Mercury	02/23/99	ND	2	0.1
Nickel	02/22/99	2.44	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	1200	50000	20.0
Thallium	02/22/99	ND	10	3.0
Vanadium	02/22/99	ND	NLE	1.0
Zinc	02/22/99	5.96	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 #: 4280.03
Sample Received: 02/17/99
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW01

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	02/22/99	91.2	200	10.0
Antimony	02/22/99	ND	20	2.0
Arsenic	02/22/99	ND	8	2.0
Barium	02/22/99	9.83	2000	0.5
Beryllium	02/22/99	ND	20	0.5
Cadmium	02/22/99	1.56	4	0.5
Calcium	02/22/99	42400	NLE	20.0
Chromium	02/22/99	5.83	100	0.5
Cobalt	02/22/99	ND	NLE	0.5
Copper	02/22/99	23.9	1000	3.0
Iron	02/22/99	1140	300	10.0
Lead	02/22/99	ND	10	2.0
Magnesium	02/22/99	10400	NLE	20.0
Manganese	02/22/99	278	50	0.5
Mercury	02/23/99	ND	2	0.1
Nickel	02/22/99	5.64	100	0.5
Potassium	02/22/99	1060	NLE	20.0
Selenium	02/22/99	4.38	50	3.0
Silver	02/22/99	ND	20	3.0
Sodium	02/22/99	28600	50000	20.0
Thallium	02/22/99	ND	10	3.0
Vanadium	02/22/99	1.89	NLE	1.0
Zinc	02/22/99	38.5	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 #: 4280.04
Sample Received: 02/17/99
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW02

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	02/22/99	26000	200	10.0
Antimony	02/22/99	ND	20	2.0
Arsenic	02/22/99	7.88	8	2.0
Barium	02/22/99	176	2000	0.5
Beryllium	02/22/99	2.47	20	0.5
Cadmium	02/22/99	1.76	4	0.5
Calcium	02/22/99	13400	NLE	20.0
Chromium	02/22/99	21.8	100	0.5
Cobalt	02/22/99	9.01	NLE	0.5
Copper	02/22/99	12.6	1000	3.0
Iron	02/22/99	17700	300	10.0
Lead	02/22/99	27.8	10	2.0
Magnesium	02/22/99	9440	NLE	20.0
Manganese	02/22/99	136	50	0.5
Mercury	02/23/99	0.11	2	0.1
Nickel	02/22/99	22.9	100	0.5
Potassium	02/22/99	3450	NLE	20.0
Selenium	02/22/99	4.31	50	3.0
Silver	02/22/99	ND	20	3.0
Sodium	02/22/99	57100	50000	20.0
Thallium	02/22/99	ND	10	3.0
Vanadium	02/22/99	17.0	NLE	1.0
Zinc	02/22/99	160	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 #: 4280.05
Sample Received: 02/17/99
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW03

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	02/22/99	1050	200	10.0
Antimony	02/22/99	ND	20	2.0
Arsenic	02/22/99	ND	8	2.0
Barium	02/22/99	30.4	2000	0.5
Beryllium	02/22/99	ND	20	0.5
Cadmium	02/22/99	2.31	4	0.5
Calcium	02/22/99	11300	NLE	20.0
Chromium	02/22/99	3.40	100	0.5
Cobalt	02/22/99	1.79	NLE	0.5
Copper	02/22/99	6.13	1000	3.0
Iron	02/22/99	1110	300	10.0
Lead	02/22/99	ND	10	2.0
Magnesium	02/22/99	2150	NLE	20.0
Manganese	02/22/99	37.1	50	0.5
Mercury	02/23/99	ND	2	0.1
Nickel	02/22/99	5.64	100	0.5
Potassium	02/22/99	411	NLE	20.0
Selenium	02/22/99	ND	50	3.0
Silver	02/22/99	ND	20	3.0
Sodium	02/22/99	14300	50000	20.0
Thallium	02/22/99	ND	10	3.0
Vanadium	02/22/99	1.52	NLE	1.0
Zinc	02/22/99	48.4	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 #: 4280.06
Sample Received: 02/17/99
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	02/22/99	345	200	10.0
Antimony	02/22/99	ND	20	2.0
Arsenic	02/22/99	ND	8	2.0
Barium	02/22/99	33.4	2000	0.5
Beryllium	02/22/99	ND	20	0.5
Cadmium	02/22/99	2.19	4	0.5
Calcium	02/22/99	9660	NLE	20.0
Chromium	02/22/99	4.04	100	0.5
Cobalt	02/22/99	0.691	NLE	0.5
Copper	02/22/99	4.89	1000	3.0
Iron	02/22/99	2640	300	10.0
Lead	02/22/99	ND	10	2.0
Magnesium	02/22/99	2040	NLE	20.0
Manganese	02/22/99	21.2	50	0.5
Mercury	02/23/99	0.14	2	0.1
Nickel	02/22/99	5.39	100	0.5
Potassium	02/22/99	2860	NLE	20.0
Selenium	02/22/99	3.56	50	3.0
Silver	02/22/99	ND	20	3.0
Sodium	02/22/99	18800	50000	20.0
Thallium	02/22/99	ND	10	3.0
Vanadium	02/22/99	ND	NLE	1.0
Zinc	02/22/99	120	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 #: 4280.07
Sample Received: 02/17/99
Sample Matrix: Aqueous

Site: CW-6
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	332	200	10.0
Antimony	02/22/99	2.23	20	2.0
Arsenic	02/22/99	ND	8	2.0
Barium	02/22/99	33.9	2000	0.5
Beryllium	02/22/99	ND	20	0.5
Cadmium	02/22/99	0.769	4	0.5
Calcium	02/22/99	9890	NLE	20.0
Chromium	02/22/99	4.10	100	0.5
Cobalt	02/22/99	0.617	NLE	0.5
Copper	02/22/99	4.35	1000	3.0
Iron	02/22/99	2530	300	10.0
Lead	02/22/99	ND	10	2.0
Magnesium	02/22/99	2150	NLE	20.0
Manganese	02/22/99	21.9	50	0.5
Mercury	02/23/99	0.12	2	0.1
Nickel	02/22/99	5.35	100	0.5
Potassium	02/22/99	3040	NLE	20.0
Selenium	02/22/99	4.21	50	3.0
Silver	02/22/99	ND	20	3.0
Sodium	02/22/99	19900	50000	20.0
Thallium	02/22/99	ND	10	3.0
Vanadium	02/22/99	1.20	NLE	1.0
Zinc	02/22/99	118	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	Di-n-butyl phthalate	Butyl benzyl phthalate	bis(2-Ethylhexyl) phthalate	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	900	100	30	0.2	0.1	0.5	0.5	200	8	-
04/30/97	FMETL	ND	0.65	ND	0.029	0.026	0.057	0.038	290	2	V,S,P,M
09/02/97	FMETL	ND	ND	ND	0.035	0.027	0.096	0.054	361	4.0	V,S,P,M
12/01/97	FMETL	1.88	ND	ND	0.024	0.023	0.057	0.025	303	ND	V,S.P.M
03/05/98	FMETL	ND	ND	1.16	0.026	0.014	0.031	0.025	374	ND	V,S,P,M
06/15/98	FMETL	ND	ND	ND	0.020	ND	0.054	0.031	541	5.1	V,S,P,M
09/22/98	FMETL	ND	ND	ND	ND	ND	ND	ND	77700	88	V,S.P,M
12/04/98	FMETL	ND	ND	ND	ND	0.024	0.050	0.021	237	10.8	V,S,P,M
02/17/99	FMETL	ND	ND	ND	0.028	0.013	0.062	0.030	91.2	ND	V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/97 - 02/17/99

NOTES:

Page 1 of 2.

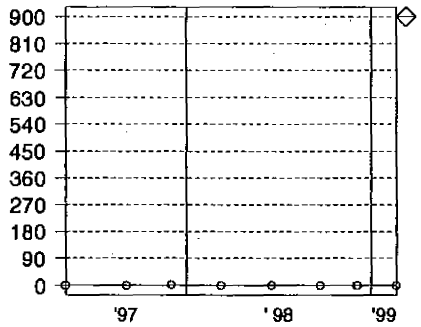
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

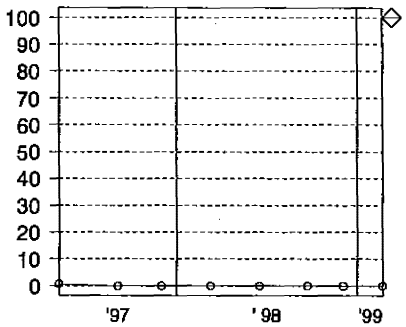
Well 1 of 4

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

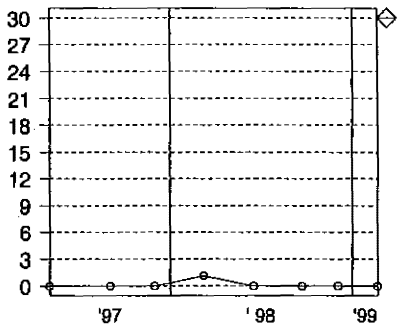
Di-n-butylphthalate (ug/l)



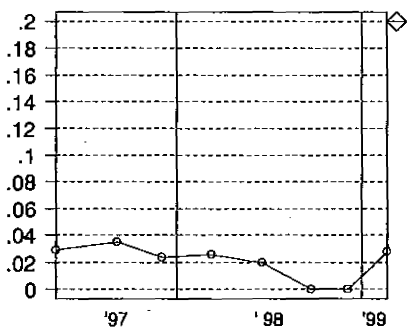
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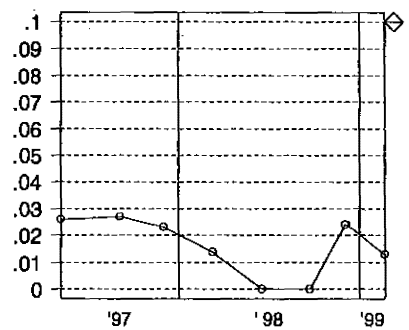
bis(2-ethylhexyl)phthalate (ug/l)



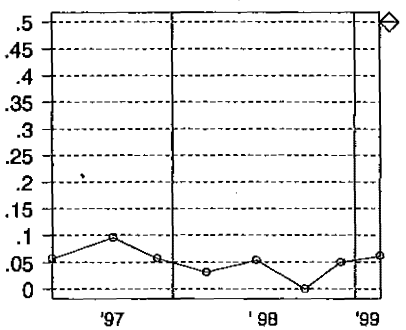
Heptachlor Epoxide (ug/l)



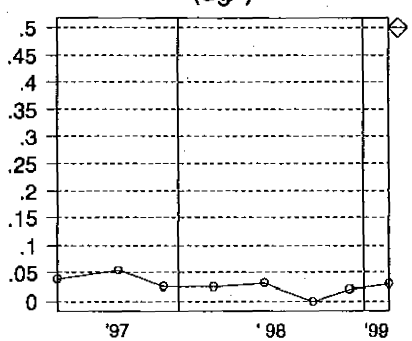
4,4'DDD (ug/l)



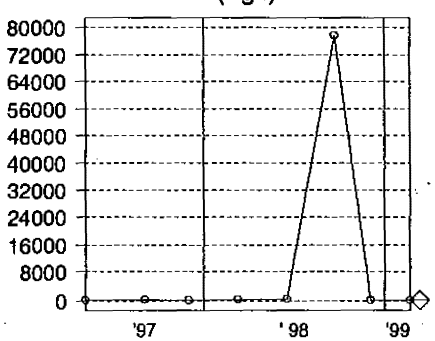
Alpha-chlordane (ug/l)



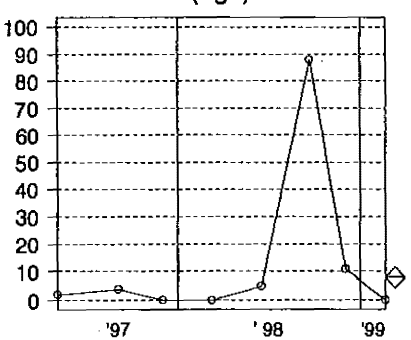
Gamma-chlordane (ug/l)



Aluminum (ug/l)



Arsenic (ug/l)



SOURCE: 0CW6MW01

Sampling Dates:
04/30/97 - 02/17/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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

03-31-1999 c:\mtech46\lm\2044a\gw\2044.wsf

	Lab	Iron	Silver	Sodium	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	300	20	50000	-						-
04/30/97	FMETL	1880	21	24000	3.60						V,S,P,M
09/02/97	FMETL	790	6.0	23730	4.80						V,S,P,M
12/01/97	FMETL	468	ND	17300	4.20						V,S.P.M
03/05/98	FMETL	1953	ND	18070	3.38						V,S,P,M
06/15/98	FMETL	2414	ND	20990	3.47						V,S,P,M
09/22/98	FMETL	112000	ND	107000	6.21						V,S.P,M
12/04/98	FMETL	2190	ND	20200	8.25						V,S,P,M
02/17/99	FMETL	1140	ND	28600	4.24						V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/97 - 02/17/99

NOTES:

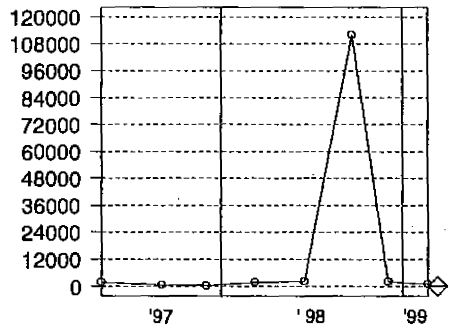
Page 2 of 2.

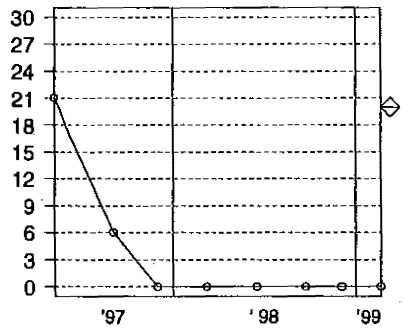
FORT MONMOUTH

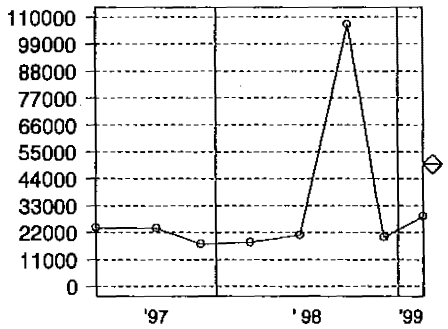
GW MONITORING
CW-6 Bldg. 2044

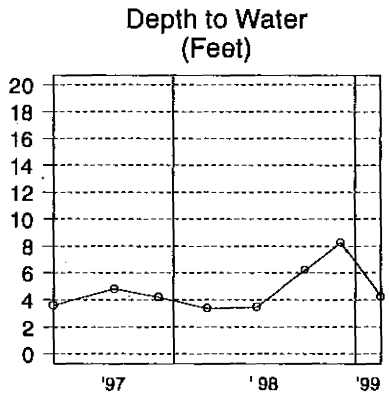
Well 1 of 4

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









SOURCE: 0CW6MW01

Sampling Dates:
04/30/97 - 02/17/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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

03-31-1999 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Di-n-butyl phthalate	Butyl benzyl phthalate	bis(2-Ethylhexyl) phthalate	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	900	100	30	0.2	0.1	0.5	0.5	200	8	-
04/30/97	FMETL	81	19	5	ND	ND	ND	ND	260	22	V,S,P,M
08/29/97	FMETL	ND	ND	ND	-	-	-	-	2600	6	V,S,P,M
12/01/97	FMETL	1.12	ND	ND	ND	ND	ND	ND	10060	7	V,S,P,M
03/05/98	FMETL	ND	ND	ND	ND	ND	ND	ND	28570	17.9	V,S,P,M
06/15/98	FMETL	ND	ND	ND	ND	ND	ND	ND	37960	48.1	V,S,P,M
09/22/98	FMETL	ND	ND	ND	0.023	0.026	0.056	0.033	630	13	V,S,P,M
12/04/98	FMETL	ND	ND	ND	ND	ND	ND	ND	5040	ND	V,S,P,M
02/17/99	FMETL	ND	ND	1.53	ND	ND	ND	ND	26000	7.88	V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/97 - 02/17/99

NOTES:

Page 1 of 2.

FORT MONMOUTH

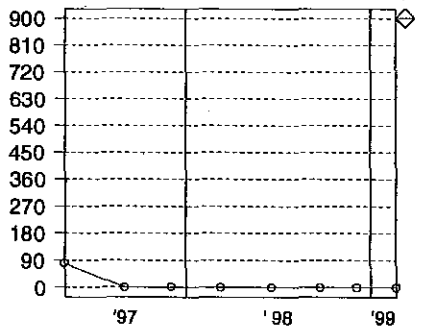
GW MONITORING
CW-6 Bldg. 2044

Well 3 of 4

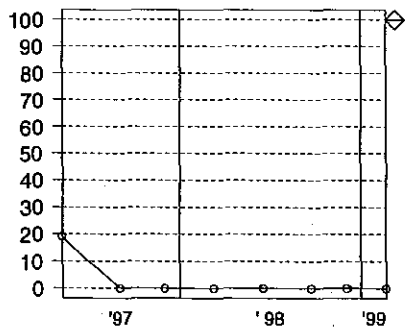
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

03-31-1999 c:\mtech46\fm\2044a\gw\2044.wsl

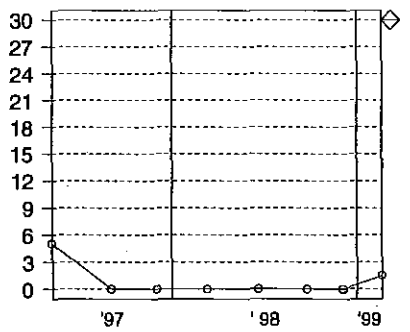
Di-n-butylphthalate (ug/l)



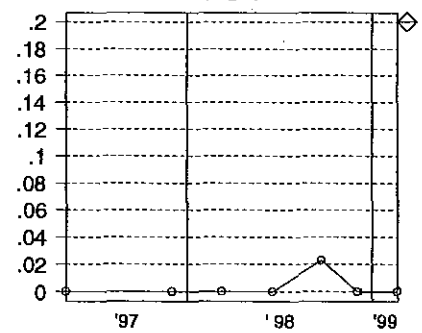
Butylbenzylphthalate (ug/l)



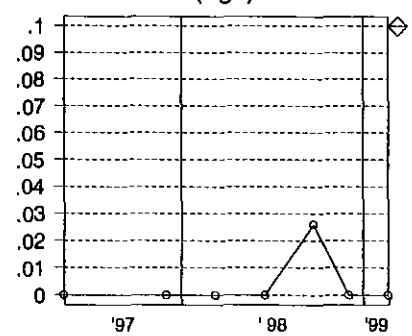
bis(2-ethylhexyl)phthalate (ug/l)



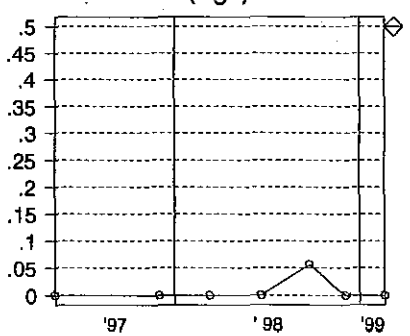
Heptachlor Epoxide (ug/l)



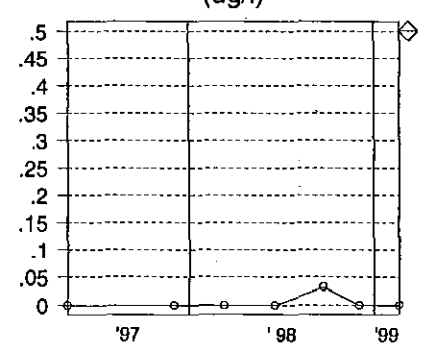
4,4'DDD (ug/l)



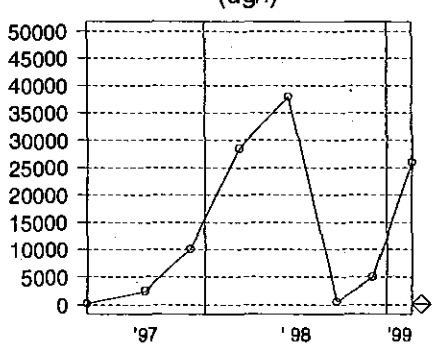
Alpha-chlordane (ug/l)



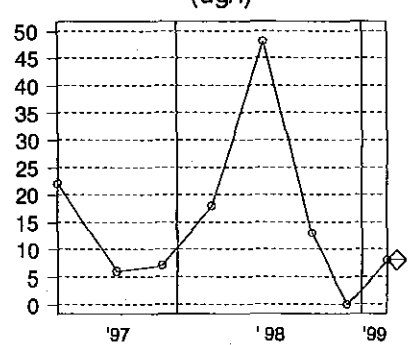
Gamma-chlordane (ug/l)



Aluminum (ug/l)



Arsenic (ug/l)



SOURCE: 0CW6MW02

Sampling Dates:
04/30/97 - 02/17/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 3 of 4, Graph

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

03-31-1999 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Iron	Silver	Sodium	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	300	20	50000	-						-
04/30/97	FMETL	76000	89	104500	3.03						V,S,P,M
08/29/97	FMETL	7140	ND	48940	5.80						V,S,P,M
12/01/97	FMETL	9940	ND	21000	4.10						V,S,P,M
03/05/98	FMETL	21390	ND	30750	2.81						V,S,P,M
06/15/98	FMETL	41540	ND	46240	3.06						V,S,P,M
09/22/98	FMETL	5450	ND	22200	6.22						V,S,P,M
12/04/98	FMETL	3500	ND	27700	6.51						V,S,P,M
02/17/99	FMETL	17700	ND	57100	4.11						V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/97 - 02/17/99

NOTES:

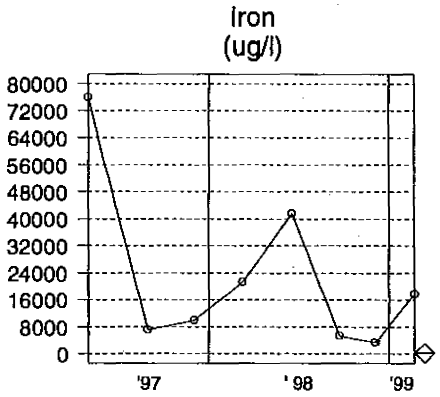
Page 2 of 2.

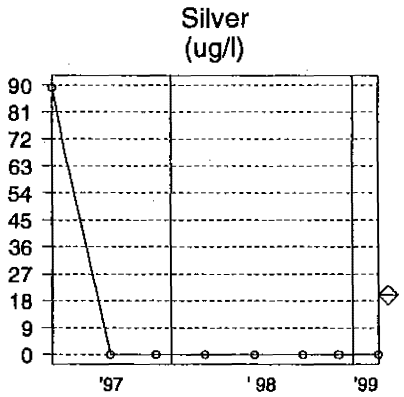
FORT MONMOUTH

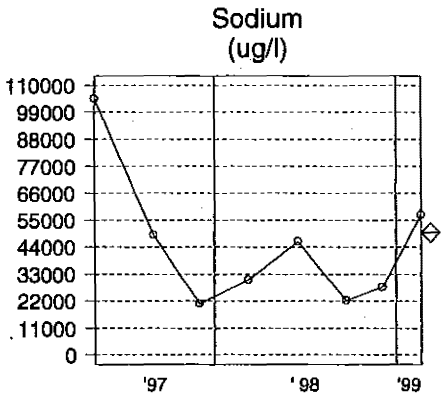
GW MONITORING
CW-6 Bldg. 2044

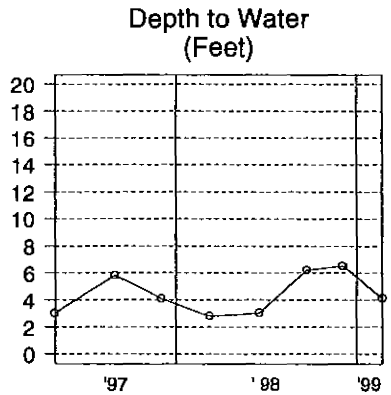
Well 2 of 4

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









SOURCE: 0CW6MW02

Sampling Dates:
04/30/97 - 02/17/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4, Graph

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

03-31-1999 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Di-n-butyl phthalate	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	900	200	8	300	20	50000	-			-
04/30/97	FMETL	ND	124	1.0	595	19	11000	3.90			V,S,P,M
08/29/97	FMETL	ND	292	ND	2490	ND	7090	6.50			V,S,P,M
12/01/97	FMETL	1.48	293	ND	538	ND	11830	4.80			V,S,P,M
03/05/98	FMETL	ND	506	ND	848	ND	10780	3.32			V,S,P,M
06/15/98	FMETL	ND	335	ND	1165	ND	10860	3.98			V,S,P,M
09/22/98	FMETL	ND	934	ND	3600	ND	7320	7.15			V,S,P,M
12/04/98	FMETL	ND	425	ND	781	ND	8720	7.37			V,S,P,M
02/17/99	FMETL	ND	1050	ND	1110	ND	14300	4.73			V,S,P,M

SOURCE: 0CW6MW03

Sampling Dates:
04/30/97 - 02/17/99

NOTES:

FORT MONMOUTH

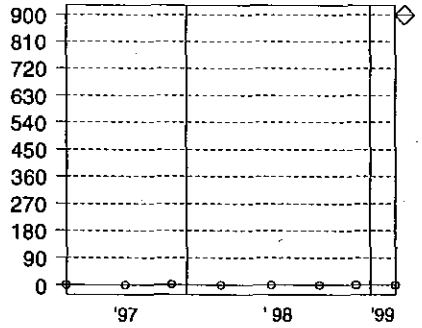
GW MONITORING
CW-6 Bldg. 2044

Well 3 of 4

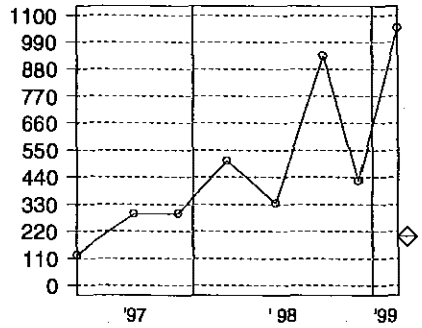
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

03-31-1999 c:\mtech46\fm\2044a\gw\2044.wsf

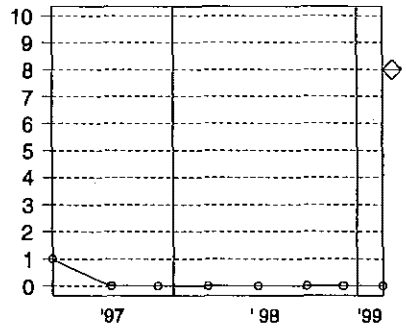
Di-n-butylphthalate (ug/l)



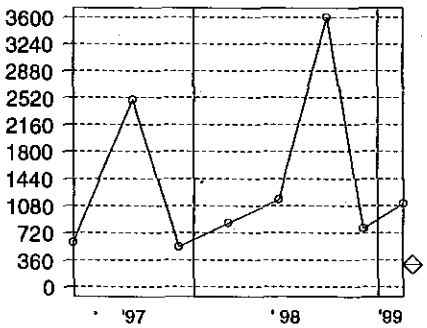
Aluminum (ug/l)



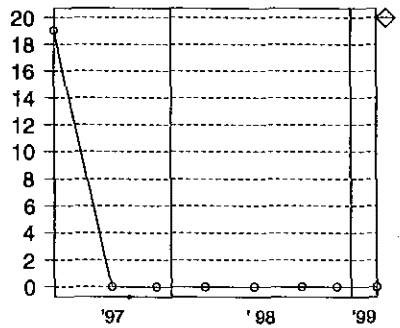
Arsenic (ug/l)



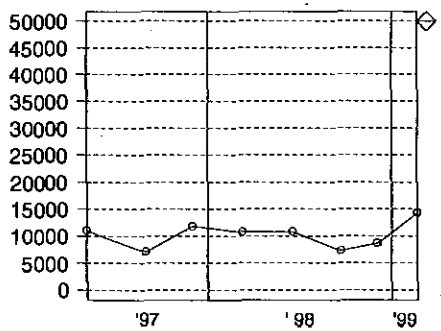
Iron (ug/l)



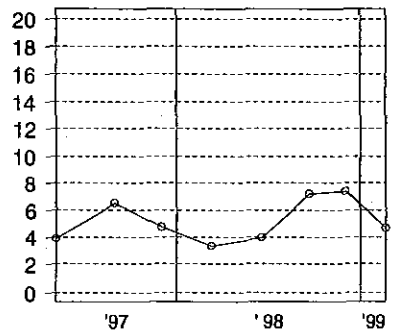
Silver (ug/l)



Sodium (ug/l)



Depth to Water (Feet)



SOURCE: 0CW6MW03

Sampling Dates:
04/30/97 - 02/17/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 3 of 4, Graph

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

03-31-1999 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	8	300	20	50000	-				-
04/30/97	FMETL	48	2.0	2100	18	15500	3.75				V,S,P,M
09/02/97	FMETL	120	1.0	1380	13	16570	4.90				V,S,P,M
12/01/97	FMETL	348	ND	652	ND	15500	4.25				V,S,P,M
03/05/98	FMETL	385	ND	2212	ND	15940	3.78				V,S,P,M
06/15/98	FMETL	204	ND	2624	ND	15380	5.54				V,S,P,M
09/22/98	FMETL	360	6	9030	ND	16300	6.31				V,S,P,M
12/04/98	FMETL	434	ND	2280	ND	14400	6.01				V,S,P,M
02/17/99	FMETL	345	ND	2640	ND	18800	4.23				V,S,P,M

SOURCE: 0CW6MW34

Sampling Dates:
04/30/97 - 02/17/99

NOTES:

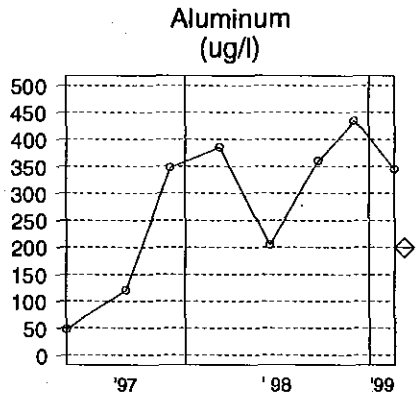
FORT MONMOUTH

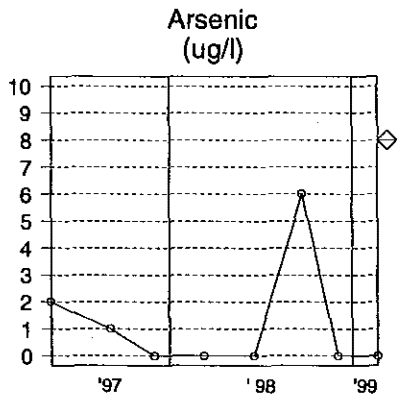
GW MONITORING
CW-6 Bldg. 2044

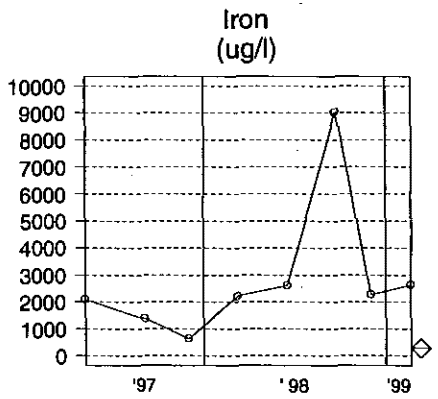
Well 4 of 4

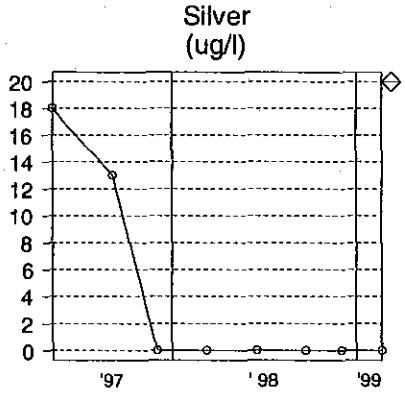
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

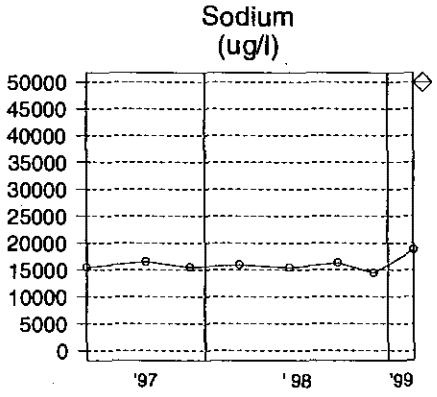
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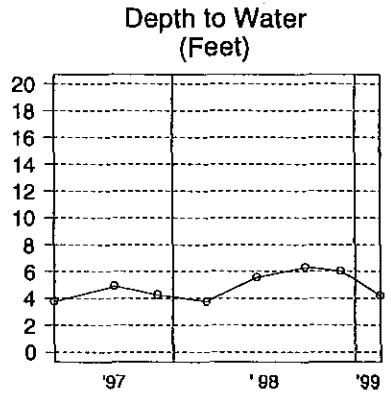












SOURCE: 0CW6MW34

Sampling Dates:
04/30/97 - 02/17/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

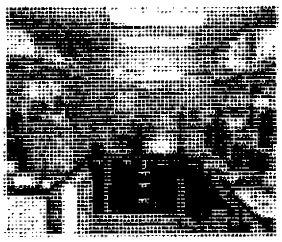
Well 4 of 4, Graph

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

03-31-1999 c:\mtech46\fm\2044a\gw\2044.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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4562.03	0CW6MW01	29-30970	06/18/99
4562.04	0CW6MW02	29-30971	06/18/99
4562.05	0CW6MW03	29-30972	06/18/99
4562.06	0CW6MW34	29-32599	06/18/99

NJDEP Laboratory Certification # 13461

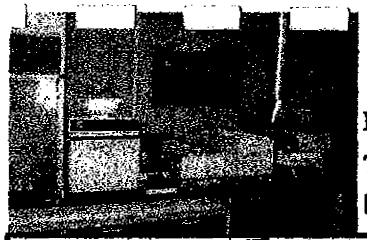
7-22-99

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@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: x26223
(X)DERA ( )OMA ( )Other:

Project No:
Location: CW6 (2044) MW's 2nd Qtr '99

Samplers Name / Company : Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA's	BNA's	Pest/PCB	TAL MTL'S				HNU Read	Comments: HCl/HNO3/4°C Remarks / Preservation Method
45602.01	Trip	6/18/99	0730	AQ	2	✓							—	
.02	Field Blank		1050		5	✓	✓	✓	✓				—	
.03	OCW6MW01		1059			✓	✓	✓	✓				0.0	29-30970
.04	OCW6MW02		1049			✓	✓	✓	✓				0.0	29-30971
.05	OCW6MW03		1053			✓	✓	✓	✓				0.0	29-30972
*.06	OCW6MW34		1056			✓	✓	✓	✓				0.0	29-32599
.07	Dupe	↓	—	↓	↓	✓	✓	✓	✓				—	
	OCW6MW35													
	DTW: 6.17 ft	29-32600												
*MW35/36 DTW's only.														
	OCW6MW36													
	DTW: 7.61 ft	29-32601												

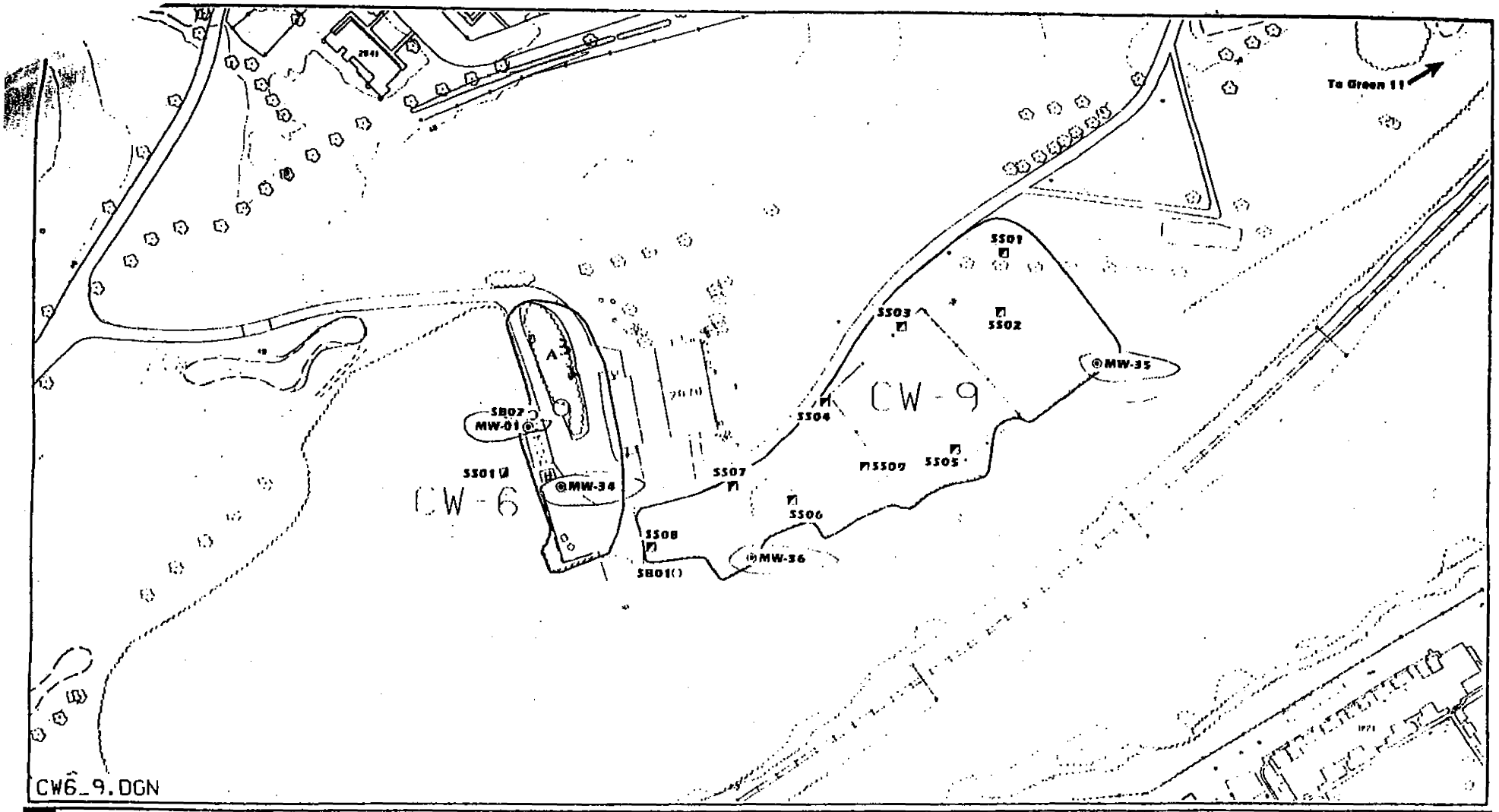
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	6/18/99 1400				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: N/A
Shows Trip / FB / Dupe w/ 2000/2016/2067 of same date
CPM

print legibly
36 60 35 1690

Coc.xls6/3/99


To Green 11
CW-9
CW-6
SS01
SS02
SS03
SS04
SS05
SS06
SS07
SS08
SS09
SB01()
SB02
MW-01
MW-34
MW-35
MW-36
CW6_9.DGN
LEGEND
SCALE IN FEET
Fort Monmouth, Charles Wood
FIGURE 4.3-13
PESTICIDE STORAGE BUILDING (CW-6)
AND SLUDGE DUMP (CW-9)
SAMPLING LOCATIONS

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6
MW#: 0CW6MW01
NJDEP ID #: 29-30970
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/18/99
WEATHER: Sunny, cool, Lt. Breeze.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 35.06 ft
DEPTH TO WATER: 5.93 ft
DEPTH OF WELL: 17.89 ft
HEIGHT OF WATER: 11.96 ft
(11.96) X .65 X 3 = 23.22
GALLONS OF H2O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: 0.230 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 09:19
pH 6.48 su — TEMP 12.7 °C
DISSOLVED O_2 8.11 PPM — SPECIFIC CONDUCTIVITY 222 us/cm

PURGE END TIME: 10:59
pH 6.50 su — TEMP 12.1 °C
DISSOLVED O_2 4.81 PPM — SPECIFIC CONDUCTIVITY 222 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.08 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 23 gal

pH 6.49 su — TEMP 12.0 °C
DISSOLVED O_2 4.77 PPM — SPECIFIC CONDUCTIVITY 222 us/cm

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6
MW#: 0CW6MW02
NJDEP ID #: 29-30971
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/18/99
WEATHER: Sunny, cool, Lt. Breeze.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 35.05 ft
DEPTH TO WATER: 5.93 ft
DEPTH OF WELL: 16.80 ft
HEIGHT OF WATER: 10.87 ft
(10.87) X .65 X 3 = 21.19
GALLONS OF H2O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: 0.230 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 09:18
pH 6.77 su — TEMP 12.9 °C
DISSOLVED O_2 7.61 PPM — SPECIFIC CONDUCTIVITY 191 us/cm

PURGE END TIME: 10:49
pH 6.80 su — TEMP 12.2 °C
DISSOLVED O_2 4.72 PPM — SPECIFIC CONDUCTIVITY 190 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.78 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 21 gal

pH 6.79 su — TEMP 12.1 °C
DISSOLVED O_2 4.68 PPM — SPECIFIC CONDUCTIVITY 190 us/cm

COMMENTS: Cloudy

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6
MW#: 0CW6MW03
NJDEP ID #: 29-30972
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/18/99
WEATHER: Sunny, cool, Lt. Breeze.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 36.34 ft
DEPTH TO WATER: 6.72 ft
DEPTH OF WELL: 17.78 ft
HEIGHT OF WATER: 11.06 ft
(11.06) X .65 X 3 = 21.51
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: 0.230 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 09:17
pH 5.94 su — TEMP 12.9 °C
DISSOLVED O_2 7.54 PPM — SPECIFIC CONDUCTIVITY 133 us/cm

PURGE END TIME: 10:53
pH 5.97 su — TEMP 12.2 °C
DISSOLVED O_2 4.69 PPM — SPECIFIC CONDUCTIVITY 133 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.33 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 22 gal

pH 5.91 su — TEMP 12.2 °C
DISSOLVED O_2 4.61 PPM — SPECIFIC CONDUCTIVITY 134 us/cm

COMMENTS: Cloudy

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6
MW#: 0CW6MW34
NJDEP ID #: 29-32599
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/18/99
WEATHER: Sunny, cool, Lt. Breeze.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 33.76 ft
DEPTH TO WATER: 6.28 ft
DEPTH OF WELL: 16.90 ft
HEIGHT OF WATER: 10.62 ft
(10.62) X .65 X 3 = 20.70
GALLONS OF H2O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: 0.230 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 09:25
pH 5.88 su — TEMP 12.9 °C
DISSOLVED O_2 8.71 PPM — SPECIFIC CONDUCTIVITY 130 us/cm

PURGE END TIME: 10:56
pH 5.86 su — TEMP 12.2 °C
DISSOLVED O_2 4.91 PPM — SPECIFIC CONDUCTIVITY 129 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.58 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 21 gal

pH 5.85 su — TEMP 12.1 °C
DISSOLVED O_2 4.87 PPM — SPECIFIC CONDUCTIVITY 129 us/cm

COMMENTS: Dup. Here.

CASE NARRATIVE

Site: CW-6

Lab ID: 4562

The field duplicate was performed on 4562.06 (Field ID 0CW6MW34).

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	VC000274.D	Sample Name	Vblk10
Operator	Skelton	Field ID	Vblk10
Date Acquired	22 Jun 1999 3:35 pm	Sample Multiplie	1

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

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

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

6/25/99 3:09 PM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Vblk10**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4562 Location: CW6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: Vblk10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000274.D

Level: (low/med) LOW Date Received: 6/18/99

% Moisture: not dec. _____ Date Analyzed: 6/22/99

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	VC000279.D	Sample Name	4562.01
Operator	Skelton	Field ID	Trip Blank
Date Acquired	22 Jun 1999 7:08 pm	Sample Multiplie	1

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

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

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

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

6/25/99 3:09 PM

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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.: 4562 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4562.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000279.D

Level: (low/med) LOW Date Received: 6/18/99

% Moisture: not dec. Date Analyzed: 6/22/99

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	**VC000280.D**	Sample Name	**4562.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**22 Jun 1999 7:50 pm**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	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: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4562 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4562.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000280.D

Level: (low/med) LOW Date Received: 6/18/99

% Moisture: not dec. Date Analyzed: 6/22/99

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	**VC000281.D**	Sample Name	**4562.03**
Operator	**Skelton**	Field ID	**0CW6MW01**
Date Acquired	**22 Jun 1999 8:32 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: **OCW6MW01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4562 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4562.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000281.D

Level: (low/med) LOW Date Received: 6/18/99

% Moisture: not dec. Date Analyzed: 6/22/99

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	**VC000282.D**	Sample Name	**4562.04**
Operator	**Skelton**	Field ID	**0CW6MW02**
Date Acquired	**22 Jun 1999 9:14 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: **OCW6MW02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4562 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4562.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000282.D

Level: (low/med) LOW Date Received: 6/18/99

% Moisture: not dec. Date Analyzed: 6/22/99

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	VC000283.D	Sample Name	4562.05
Operator	Skelton	Field ID	0CW6MW03
Date Acquired	22 Jun 1999 9:56 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: **OCW6MW03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4562 Location: CW6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4562.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000283.D

Level: (low/med) LOW Date Received: 6/18/99

% Moisture: not dec. _____ Date Analyzed: 6/22/99

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	VC000284.D	Sample Name	4562.06
Operator	Skelton	Field ID	0CW6MW34
Date Acquired	22 Jun 1999 10:38 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: **OCW6MW34**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4562 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4562.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000284.D

Level: (low/med) LOW Date Received: 6/18/99

% Moisture: not dec. Date Analyzed: 6/22/99

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	VC000285.D	Sample Name	4562.07
Operator	Skelton	Field ID	Dupe
Date Acquired	22 Jun 1999 11:20 pm	Sample Multiplie	1

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

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

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

6/25/99 3:09 PM

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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.: 4562 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4562.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000285.D

Level: (low/med) LOW Date Received: 6/18/99

% Moisture: not dec. Date Analyzed: 6/22/99

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	**BNA02825.D**	Sample Name	**Sblk269**
Operator	**Bhaskar**	Misc Info	**Sblk269 A 990622**
Date Acquired	**26-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA02825.D**	Sample Name	**Sblk269**
Operator	**Bhaskar**	Misc Info	**Sblk269 A 990622**
Date Acquired	**26-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Sblk269**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4562 Location CW6(2 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: Sblk269

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02825.D

Level: (low/med) LOW Date Received: 6/18/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 6/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/26/99

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	**BNA02827.D**	Sample Name	**4562.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**26-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA02827.D**	Sample Name	**4562.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**26-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	25.03	1585550	9.27 ug/L	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 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.: 4562 Location CW6(2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4562.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02827.D

Level: (low/med) LOW Date Received: 6/18/99

% Moisture: decanted: (Y/N) N Date Extracted: 6/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/26/99

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	**BNA02828.D**	Sample Name	**4562.03**
Operator	**Bhaskar**	Misc Info	**0CW6MW01**
Date Acquired	**26-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BNA02828.D**	Sample Name	**4562.03**
Operator	**Bhaskar**	Misc Info	**0CW6MW01**
Date Acquired	**26-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0CW6MW01**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4562 Location CW6(2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4562.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02828.D

Level: (low/med) LOW Date Received: 6/18/99

% Moisture: decanted: (Y/N) N Date Extracted: 6/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/26/99

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	**BNA02829.D**	Sample Name	**4562.04**
Operator	**Bhaskar**	Misc Info	**0CW6MW02**
Date Acquired	**26-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

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Data File Name	**BNA02829.D**	Sample Name	**4562.04**
Operator	**Bhaskar**	Misc Info	**0CW6MW02**
Date Acquired	**26-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	25.03	301633	2.00 ug/L	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

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

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

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0CW6MW02**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4562 Location CW6(2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4562.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02829.D

Level: (low/med) LOW Date Received: 6/18/99

% Moisture: decanted: (Y/N) N Date Extracted: 6/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/26/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000096-76-4	Phenol, 2,4-bis(1,1-dimethylethyl)	15.16	4	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA02830.D**	Sample Name	**4562.05**
Operator	**Bhaskar**	Misc Info	**0CW6MW03**
Date Acquired	**26-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BNA02830.D**	Sample Name	**4562.05**
Operator	**Bhaskar**	Misc Info	**0CW6MW03**
Date Acquired	**26-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

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

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

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0CW6MW03**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4562 Location CW6(2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4562.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02830.D

Level: (low/med) LOW Date Received: 6/18/99

% Moisture: decanted: (Y/N) N Date Extracted: 6/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/26/99

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	**BNA02831.D**	Sample Name	**4562.06**
Operator	**Bhaskar**	Misc Info	**0CW6MW34**
Date Acquired	**26-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA02831.D**	Sample Name	**4562.06**
Operator	**Bhaskar**	Misc Info	**0CW6MW34**
Date Acquired	**26-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0CW6MW34**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4562 Location CW6(2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4562.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02831.D

Level: (low/med) LOW Date Received: 6/18/99

% Moisture: decanted: (Y/N) N Date Extracted: 6/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/26/99

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	**BNA02832.D**	Sample Name	**4562.07**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**26-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	5.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.94	ug/L	
62-53-3	Aniline			not detected	NLE	0.15	ug/L	
108-95-2	Phenol			not detected	4000	0.47	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.48	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.18	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.15	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.23	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.18	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.16	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.14	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.61	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.14	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.36	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.33	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.46	ug/L	
78-59-1	Isophorone			not detected	100	0.35	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.23	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.27	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.46	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.12	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.26	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.25	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.25	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.19	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.38	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.18	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.16	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.50	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.42	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.31	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.32	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.21	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.18	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.19	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.31	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.26	ug/L	
83-32-9	Acenaphthene			not detected	400	0.26	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.69	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.32	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.27	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA02832.D**	Sample Name	**4562.07**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**26-Jun-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.36	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.82	ug/L	
86-73-7	Fluorene			not detected	300	0.29	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.31	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.90	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	0.44	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.23	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.80	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.55	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.82	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.08	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.18	ug/L	
120-12-7	Anthracene			not detected	2000	0.19	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.41	ug/L	
92-87-5	Benzidine			not detected	50	1.45	ug/L	
129-00-0	Pyrene			not detected	200	0.32	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.47	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.22	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.46	ug/L	
218-01-9	Chrysene			not detected	20	0.20	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.51	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	0.82	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.37	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	0.32	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.31	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.79	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.28	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.40	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4562 Location CW6(2 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4562.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA02832.D

Level: (low/med) LOW Date Received: 6/18/99

% Moisture: decanted: (Y/N) N Date Extracted: 6/22/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/26/99

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	**Lab. ID # :**	BLK357
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	6/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/26/99
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 # :**	4562.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/18/99
	Bldg. 173	**Extraction Date:**	6/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/26/99
Analysis:	EPA Method 608	**Location :**	CW6
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 # :**	4562.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/18/99
	Bldg. 173	**Extraction Date:**	6/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/26/99
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW01
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 # :**	4562.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/18/99
	Bldg. 173	**Extraction Date:**	6/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/26/99
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW02
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 # :**	4562.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/18/99
	Bldg. 173	**Extraction Date:**	6/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/26/99
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW03
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ng/L)	MDL (ng/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	14.86	0.10	0.0009	**0.006**
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 # :**	4562.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/18/99
	Bldg. 173	**Extraction Date:**	6/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/26/99
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW34
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilntion 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 # :**	4562.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/18/99
	Bldg. 173	**Extraction Date:**	6/21/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/26/99
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	DUPE
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

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

Lab ID #: 4562
Sample Prepared: 07/01/99

Site: CW6
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	07/01/99	61.0	200	10.0
Antimony	07/01/99	5.85	20	2.0
Arsenic	07/01/99	ND	8	2.0
Barium	07/01/99	ND	2000	0.5
Beryllium	07/01/99	ND	20	0.5
Cadmium	07/01/99	20.7	4	0.5
Calcium	07/01/99	204	NLE	20.0
Chromium	07/01/99	1.14	100	0.5
Cobalt	07/01/99	ND	NLE	0.5
Copper	07/01/99	193	1000	3.0
Iron	07/01/99	65.0	300	10.0
Lead	07/01/99	ND	10	2.0
Magnesium	07/01/99	178	NLE	20.0
Manganese	07/01/99	1.78	50	0.5
Mercury	07/16/99	ND	2	0.1
Nickel	07/01/99	2.35	100	0.5
Potassium	07/01/99	31.0	NLE	20.0
Selenium	07/01/99	ND	50	3.0
Silver	07/01/99	ND	20	3.0
Sodium	07/01/99	181	50000	20.0
Thallium	07/01/99	ND	10	3.0
Vanadium	07/01/99	ND	NLE	1.0
Zinc	07/01/99	6.00	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 #: 4562.02
Sample Received: 06/18/99
Sample Matrix: Aqueous

Site: CW6
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	07/01/99	ND	200	10.0
Antimony	07/01/99	ND	20	2.0
Arsenic	07/01/99	ND	8	2.0
Barium	07/01/99	ND	2000	0.5
Beryllium	07/01/99	ND	20	0.5
Cadmium	07/01/99	ND	4	0.5
Calcium	07/01/99	50.7	NLE	20.0
Chromium	07/01/99	ND	100	0.5
Cobalt	07/01/99	ND	NLE	0.5
Copper	07/01/99	ND	1000	3.0
Iron	07/01/99	ND	300	10.0
Lead	07/01/99	ND	10	2.0
Magnesium	07/01/99	ND	NLE	20.0
Manganese	07/01/99	ND	50	0.5
Mercury	07/16/99	0.5	2	0.1
Nickel	07/01/99	ND	100	0.5
Potassium	07/01/99	ND	NLE	20.0
Selenium	07/01/99	ND	50	3.0
Silver	07/01/99	ND	20	3.0
Sodium	07/01/99	844	50000	20.0
Thallium	07/01/99	3.53	10	3.0
Vanadium	07/01/99	ND	NLE	1.0
Zinc	07/01/99	ND	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 4562.03
Sample Received: 06/18/99
Sample Matrix: Aqueous

Site: CW6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW01

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	07/01/99	638	200	10.0
Antimony	07/01/99	ND	20	2.0
Arsenic	07/01/99	4.74	8	2.0
Barium	07/01/99	10.4	2000	0.5
Beryllium	07/01/99	ND	20	0.5
Cadmium	07/01/99	1.34	4	0.5
Calcium	07/01/99	33400	NLE	20.0
Chromium	07/01/99	5.64	100	0.5
Cobalt	07/01/99	1.12	NLE	0.5
Copper	07/01/99	43.4	1000	3.0
Iron	07/01/99	1930	300	10.0
Lead	07/01/99	ND	10	2.0
Magnesium	07/01/99	7740	NLE	20.0
Manganese	07/01/99	270	50	0.5
Mercury	07/16/99	ND	2	0.1
Nickel	07/01/99	2.07	100	0.5
Potassium	07/01/99	1980	NLE	20.0
Selenium	07/01/99	ND	50	3.0
Silver	07/01/99	ND	20	3.0
Sodium	07/01/99	21900	50000	20.0
Thallium	07/01/99	ND	10	3.0
Vanadium	07/01/99	6.97	NLE	1.0
Zinc	07/01/99	ND	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 4562.04
Sample Received: 06/18/99
Sample Matrix: Aqueous

Site: CW6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW02

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	07/01/99	24700	200	10.0
Antimony	07/01/99	ND	20	2.0
Arsenic	07/01/99	2.94	8	2.0
Barium	07/01/99	107	2000	0.5
Beryllium	07/01/99	1.30	20	0.5
Cadmium	07/01/99	1.00	4	0.5
Calcium	07/01/99	6840	NLE	20.0
Chromium	07/01/99	10.3	100	0.5
Cobalt	07/01/99	4.12	NLE	0.5
Copper	07/01/99	ND	1000	3.0
Iron	07/01/99	9570	300	10.0
Lead	07/01/99	8.42	10	2.0
Magnesium	07/01/99	5430	NLE	20.0
Manganese	07/01/99	68.5	50	0.5
Mercury	07/16/99	ND	2	0.1
Nickel	07/01/99	4.73	100	0.5
Potassium	07/01/99	2460	NLE	20.0
Selenium	07/01/99	ND	50	3.0
Silver	07/01/99	ND	20	3.0
Sodium	07/01/99	54500	50000	20.0
Thallium	07/01/99	ND	10	3.0
Vanadium	07/01/99	9.17	NLE	1.0
Zinc	07/01/99	44.2	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 #: 4562.05
Sample Received: 06/18/99
Sample Matrix: Aqueous

Site: CW6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	07/01/99	950	200	10.0
Antimony	07/01/99	ND	20	2.0
Arsenic	07/01/99	ND	8	2.0
Barium	07/01/99	30.0	2000	0.5
Beryllium	07/01/99	ND	20	0.5
Cadmium	07/01/99	0.575	4	0.5
Calcium	07/01/99	12100	NLE	20.0
Chromium	07/01/99	3.19	100	0.5
Cobalt	07/01/99	1.52	NLE	0.5
Copper	07/01/99	ND	1000	3.0
Iron	07/01/99	542	300	10.0
Lead	07/01/99	ND	10	2.0
Magnesium	07/01/99	1990	NLE	20.0
Manganese	07/01/99	17.5	50	0.5
Mercury	07/16/99	ND	2	0.1
Nickel	07/01/99	6.58	100	0.5
Potassium	07/01/99	702	NLE	20.0
Selenium	07/01/99	ND	50	3.0
Silver	07/01/99	ND	20	3.0
Sodium	07/01/99	11600	50000	20.0
Thallium	07/01/99	ND	10	3.0
Vanadium	07/01/99	ND	NLE	1.0
Zinc	07/01/99	10.6	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 #: 4562.06
Sample Received: 06/18/99
Sample Matrix: Aqueous

Site: CW6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	07/01/99	419	200	10.0
Antimony	07/01/99	ND	20	2.0
Arsenic	07/01/99	2.71	8	2.0
Barium	07/01/99	33.7	2000	0.5
Beryllium	07/01/99	ND	20	0.5
Cadmium	07/01/99	1.18	4	0.5
Calcium	07/01/99	6940	NLE	20.0
Chromium	07/01/99	2.27	100	0.5
Cobalt	07/01/99	1.42	NLE	0.5
Copper	07/01/99	ND	1000	3.0
Iron	07/01/99	5350	300	10.0
Lead	07/01/99	ND	10	2.0
Magnesium	07/01/99	1560	NLE	20.0
Manganese	07/01/99	32.1	50	0.5
Mercury	07/16/99	ND	2	0.1
Nickel	07/01/99	ND	100	0.5
Potassium	07/01/99	3630	NLE	20.0
Selenium	07/01/99	ND	50	3.0
Silver	07/01/99	ND	20	3.0
Sodium	07/01/99	19400	50000	20.0
Thallium	07/01/99	ND	10	3.0
Vanadium	07/01/99	1.81	NLE	1.0
Zinc	07/01/99	133	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 4562.07
Sample Received: 06/18/99
Sample Matrix: Aqueous

Site: CW6
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	07/01/99	392	200	10.0
Antimony	07/01/99	ND	20	2.0
Arsenic	07/01/99	3.96	8	2.0
Barium	07/01/99	33.2	2000	0.5
Beryllium	07/01/99	ND	20	0.5
Cadmium	07/01/99	0.572	4	0.5
Calcium	07/01/99	6770	NLE	20.0
Chromium	07/01/99	2.36	100	0.5
Cobalt	07/01/99	1.45	NLE	0.5
Copper	07/01/99	ND	1000	3.0
Iron	07/01/99	5560	300	10.0
Lead	07/01/99	ND	10	2.0
Magnesium	07/01/99	1520	NLE	20.0
Manganese	07/01/99	32.3	50	0.5
Mercury	07/16/99	ND	2	0.1
Nickel	07/01/99	2.93	100	0.5
Potassium	07/01/99	3600	NLE	20.0
Selenium	07/01/99	ND	50	3.0
Silver	07/01/99	ND	20	3.0
Sodium	07/01/99	19000	50000	20.0
Thallium	07/01/99	ND	10	3.0
Vanadium	07/01/99	1.92	NLE	1.0
Zinc	07/01/99	130	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	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Iron	Silver	Sodium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	0.2	0.1	0.5	0.5	200	8	300	20	50000	-
04/30/97	FMETL	0.029	0.026	0.057	0.038	290	2	1880	21	24000	V,S,P,M
09/02/97	FMETL	0.035	0.027	0.096	0.054	361	4.0	790	6.0	23730	V,S,P,M
12/01/97	FMETL	0.024	0.023	0.057	0.025	303	ND	468	ND	17300	V,S.P.M
03/05/98	FMETL	0.026	0.014	0.031	0.025	374	ND	1953	ND	18070	V,S,P,M
06/15/98	FMETL	0.020	ND	0.054	0.031	541	5.1	2414	ND	20990	V,S,P,M
09/22/98	FMETL	ND	ND	ND	ND	77700	88	112000	ND	107000	V,S.P,M
12/04/98	FMETL	ND	0.024	0.050	0.021	237	10.8	2190	ND	20200	V,S,P,M
02/17/99	FMETL	0.028	0.013	0.062	0.030	91.2	ND	1140	ND	28600	V,S,P,M
06/18/99	FMETL	ND	ND	ND	ND	638	4.74	1930	ND	21900	V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/97 - 06/18/99

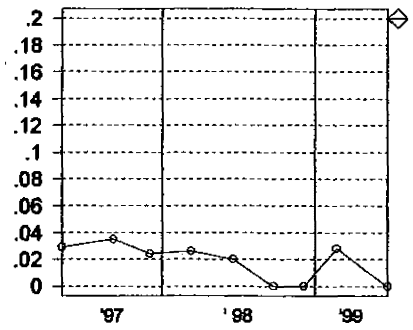
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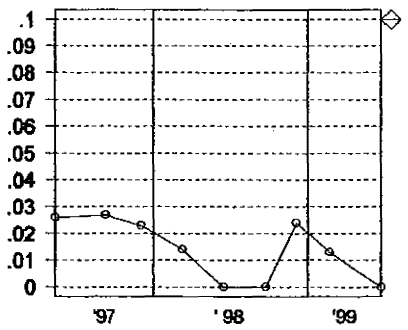
FORT MONMOUTH

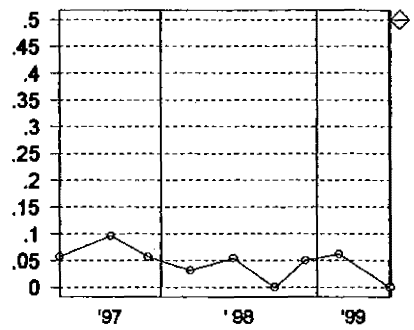
GW MONITORING
CW-6 Bldg. 2044

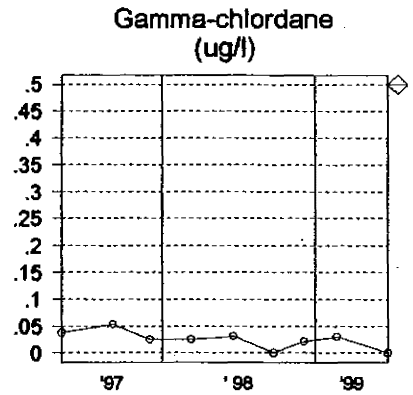
Well 1 of 4

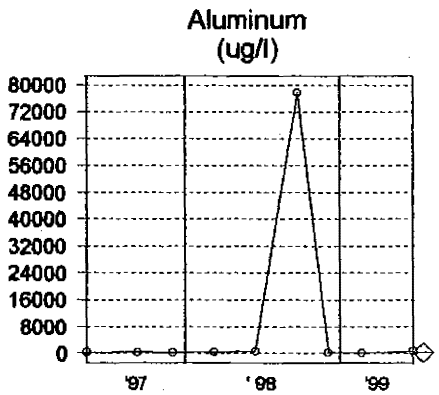
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

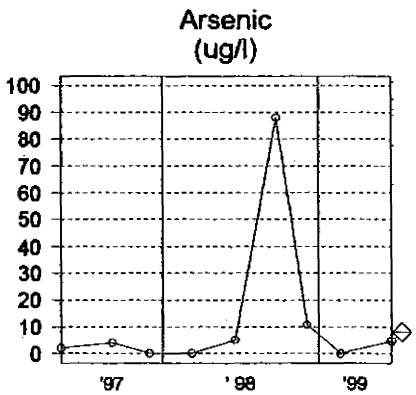


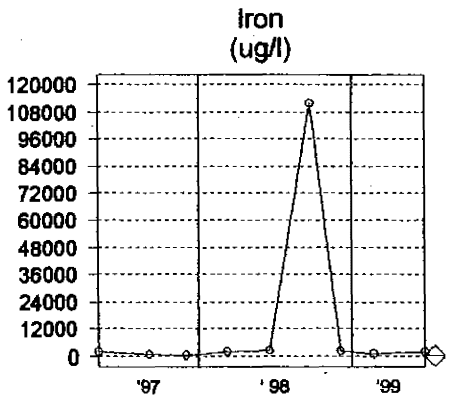


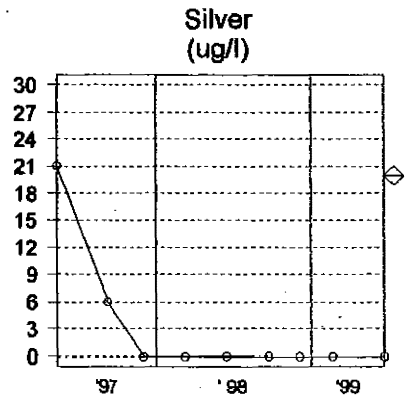


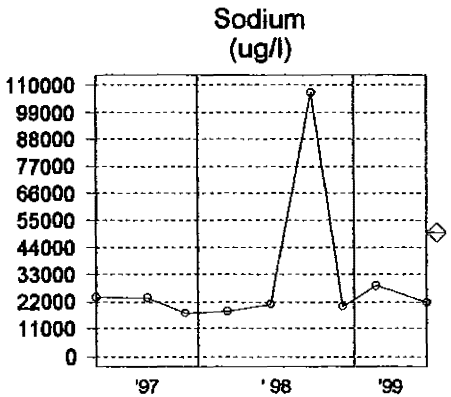












SOURCE: 0CW6MW01

Sampling Dates:
04/30/97 - 06/18/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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

07-22-1999 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Depth to Water									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
04/30/97	FMETL	3.60									V,S,P,M
09/02/97	FMETL	4.80									V,S,P,M
12/01/97	FMETL	4.20									V,S.P.M
03/05/98	FMETL	3.38									V,S,P,M
06/15/98	FMETL	3.47									V,S,P,M
09/22/98	FMETL	6.21									V,S.P,M
12/04/98	FMETL	8.25									V,S,P,M
02/17/99	FMETL	4.24									V,S,P,M
06/18/99	FMETL	5.93									V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/97 - 06/18/99

NOTES:

Page 2 of 2.

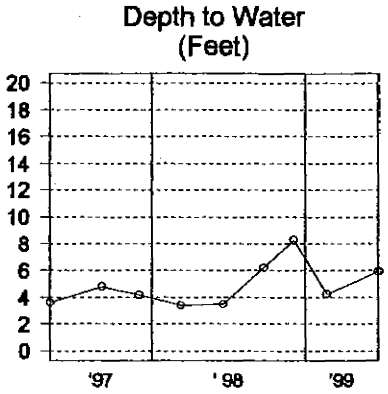
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4

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

07-22-1999 c:\mtech48\fm\2044a\gw\2044.wsf



SOURCE: 0CW6MW01

Sampling Dates:
04/30/97 - 06/18/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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

07-22-1999 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Di-n-butyl phthalate	Butyl benzyl phthalate	Aluminum	Iron	Silver	Sodium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	900	100	200	300	20	50000	-			-
04/30/97	FMETL	81	19	260	76000	89	104500	3.03			V,S,P,M
08/29/97	FMETL	ND	ND	2600	7140	ND	48940	5.80			V,S,P,M
12/01/97	FMETL	1.12	ND	10060	9940	ND	21000	4.10			V,S,P,M
03/05/98	FMETL	ND	ND	28570	21390	ND	30750	2.81			V,S,P,M
06/15/98	FMETL	ND	ND	37960	41540	ND	46240	3.06			V,S,P,M
09/22/98	FMETL	ND	ND	630	5450	ND	22200	6.22			V,S,P,M
12/04/98	FMETL	ND	ND	5040	3500	ND	27700	6.51			V,S,P,M
02/17/99	FMETL	ND	ND	26000	17700	ND	57100	4.11			V,S,P,M
06/18/99	FMETL	ND	ND	24700	9570	ND	54500	5.93			V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/97 - 06/18/99

NOTES:

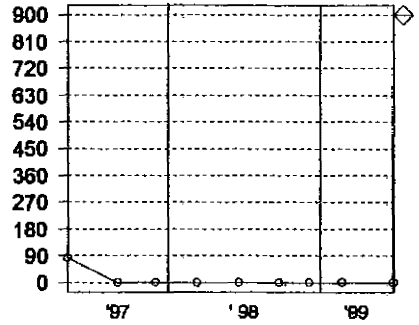
FORT MONMOUTH

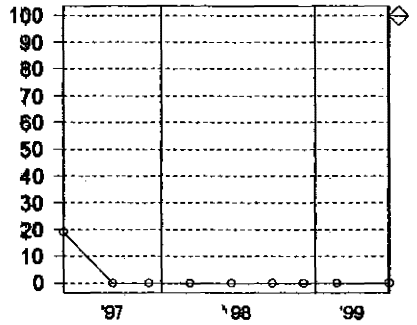
GW MONITORING
CW-6 Bldg. 2044

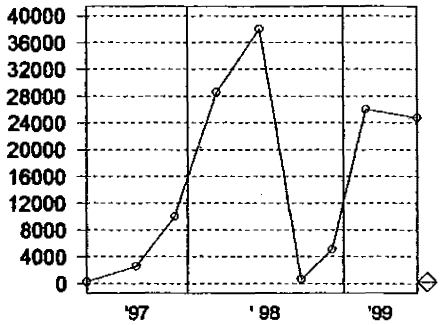
Well 2 of 4

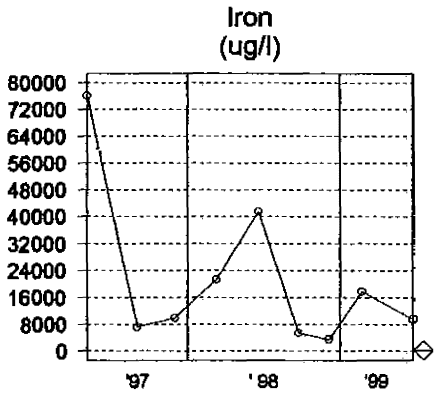
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

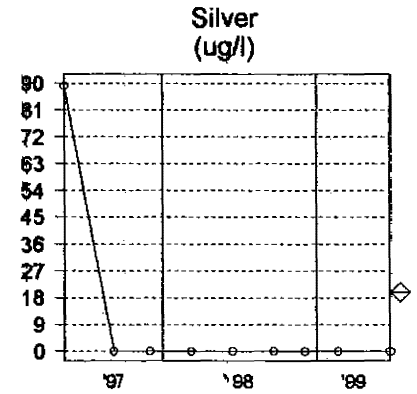
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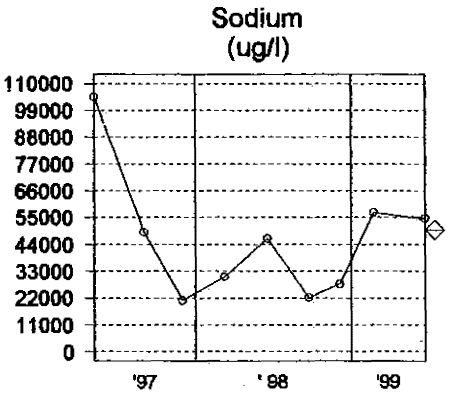


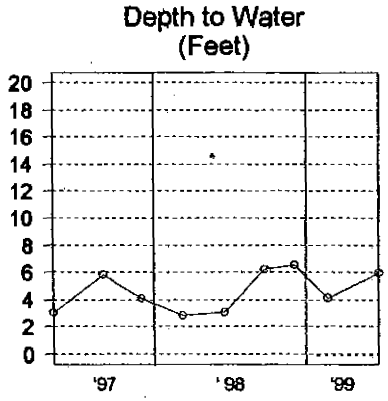












SOURCE: 0CW6MW02

Sampling Dates:
04/30/97 - 06/18/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4, Graph

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

07-22-1999 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Aluminum	Iron	Silver	Sodium	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	200	300	20	50000	-					-
04/30/97	FMETL	124	595	19	11000	3.90					V,S,P,M
08/29/97	FMETL	292	2490	ND	7090	6.50					V,S,P,M
12/01/97	FMETL	293	538	ND	11830	4.80					V,S,P,M
03/05/98	FMETL	506	848	ND	10780	3.32					V,S,P,M
06/15/98	FMETL	335	1165	ND	10860	3.98					V,S,P,M
09/22/98	FMETL	934	3600	ND	7320	7.15					V,S,P,M
12/04/98	FMETL	425	781	ND	8720	7.37					V,S,P,M
02/17/99	FMETL	1050	1110	ND	14300	4.73					V,S,P,M
06/18/99	FMETL	950	542	ND	11600	6.72					V,S,P,M

SOURCE: 0CW6MW03

Sampling Dates:
04/30/97 - 06/18/99

NOTES:

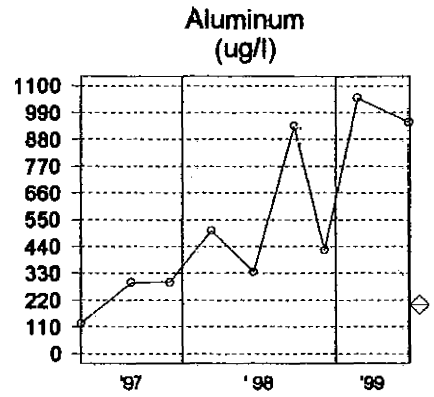
FORT MONMOUTH

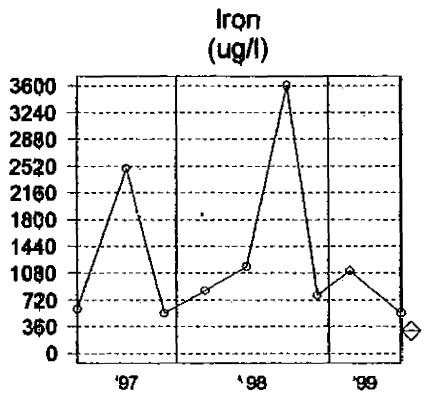
GW MONITORING
CW-6 Bldg. 2044

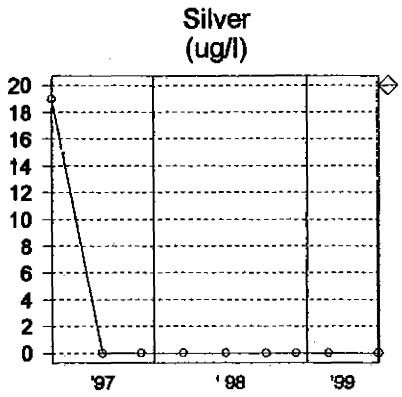
Well 3 of 4

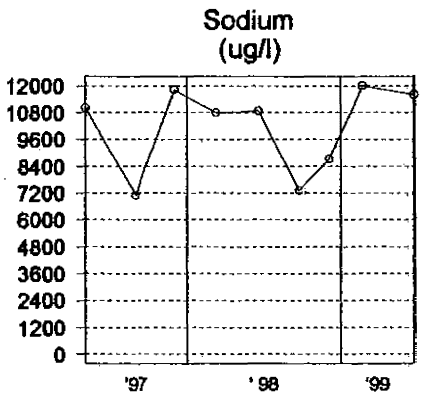
U.S. ARMY
FORT MONMOUTH
SELFM-PW-EV

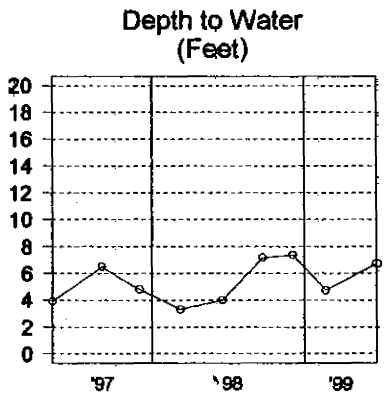
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SOURCE: 0CW6MW03

Sampling Dates:
04/30/97 - 06/18/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 3 of 4, Graph

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

07-22-1999 c:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	8	300	20	50000	-				-
04/30/97	FMETL	48	2.0	2100	18	15500	3.75				V,S,P,M
09/02/97	FMETL	120	1.0	1380	13	16570	4.90				V,S,P,M
12/01/97	FMETL	348	ND	652	ND	15500	4.25				V,S,P,M
03/05/98	FMETL	385	ND	2212	ND	15940	3.78				V,S,P,M
06/15/98	FMETL	204	ND	2624	ND	15380	5.54				V,S,P,M
09/22/98	FMETL	360	6	9030	ND	16300	6.31				V,S,P,M
12/04/98	FMETL	434	ND	2280	ND	14400	6.01				V,S,P,M
02/17/99	FMETL	345	ND	2640	ND	18800	4.23				V,S,P,M
06/18/99	FMETL	419	2.71	5350	ND	19400	6.28				V,S,P,M

SOURCE: 0CW6MW34

Sampling Dates:
04/30/97 - 06/18/99

NOTES:

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 4 of 4

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

07-22-1999 c:\mtech46\fm\2044a\gw\2044.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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4705.03	0CW6MW01	29-30970	08/10/99
4705.04	0CW6MW02	29-30971	08/10/99
4705.05	0CW6MW03	29-30972	08/10/99
4705.06	0CW6MW34	29-32599	08/10/99

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 #: X26223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: CWG (2044) 3d qtr mw's 99

Samplers Name / Company : Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+13	BNA+25	Pest/PCB	TAL MTLS				Hex Prep	Remarks / Preservation Method
4705 .01	Trip	8/10/99	0739	AQ	2	✓							—	
.02	Field Blank		1105		5	✓	✓	✓	✓				—	
.03	OCW6 MW01		1117		5	✓	✓	✓	✓				0.0	29-30970
.04	OCW6 MW02		1108		5	✓	✓	✓	✓				0.0	29-30971
.05	OCW6 MW03		1107		5	✓	✓	✓	✓				0.0	29-30972
.06	OCW6 MW34		1118		9	✓	✓	✓	✓				0.0	29-32599
.07	Dupe	↓	—	↓	5	✓	✓	✓	✓				—	
DTW's only														
	OCW6 MW35 :	6.91 ft											—	29-32600
	OCW6 MW36 :	8.26 ft											—	29-32601

Comments: HCL/HNO_3/4°C

Remarks / Preservation Method

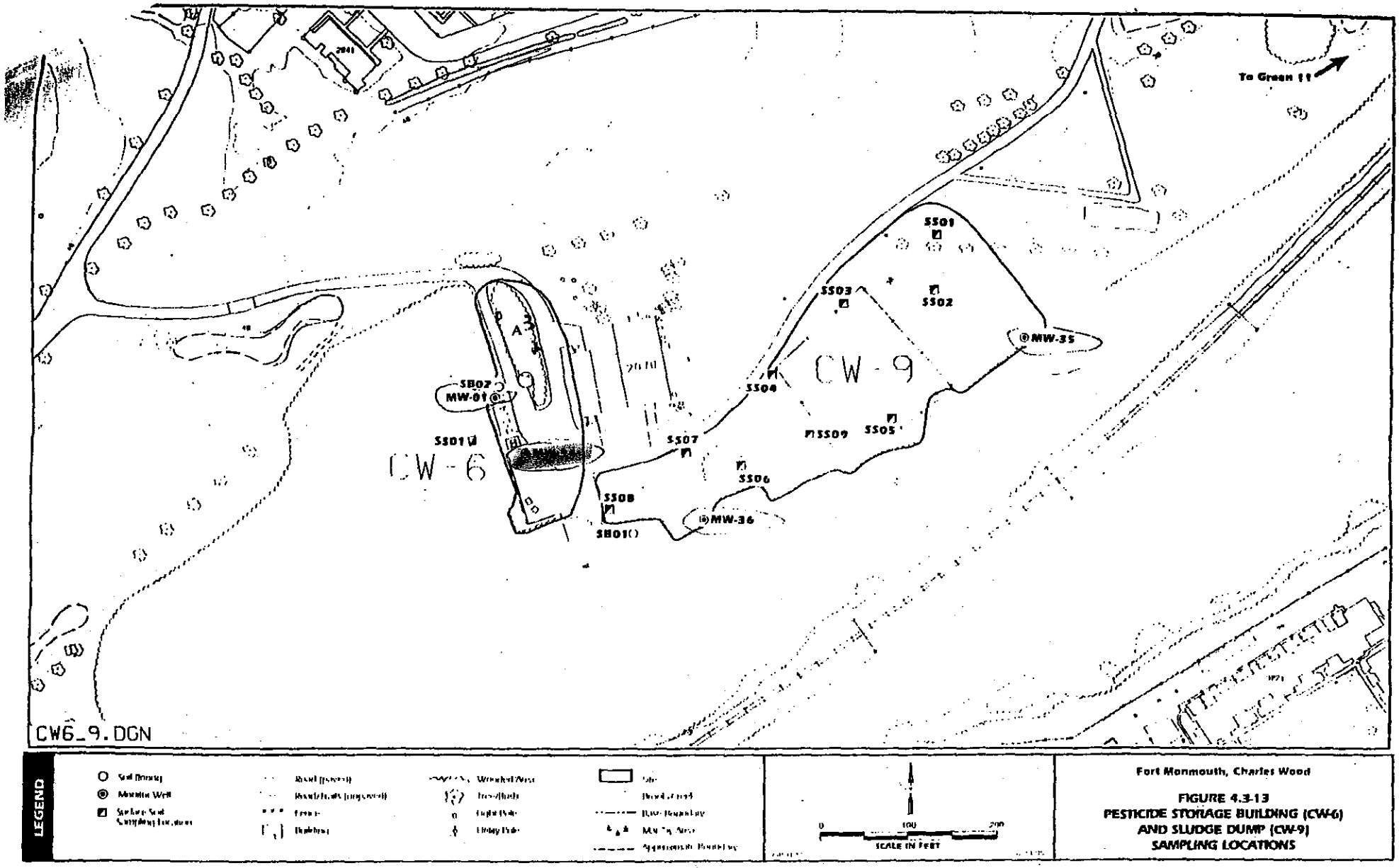
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Corey McCormack	8/10/99 1515				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Shows Trip/FB/Dupe w/ 2000/2018/2076 ms/msDS
Tide: N/A

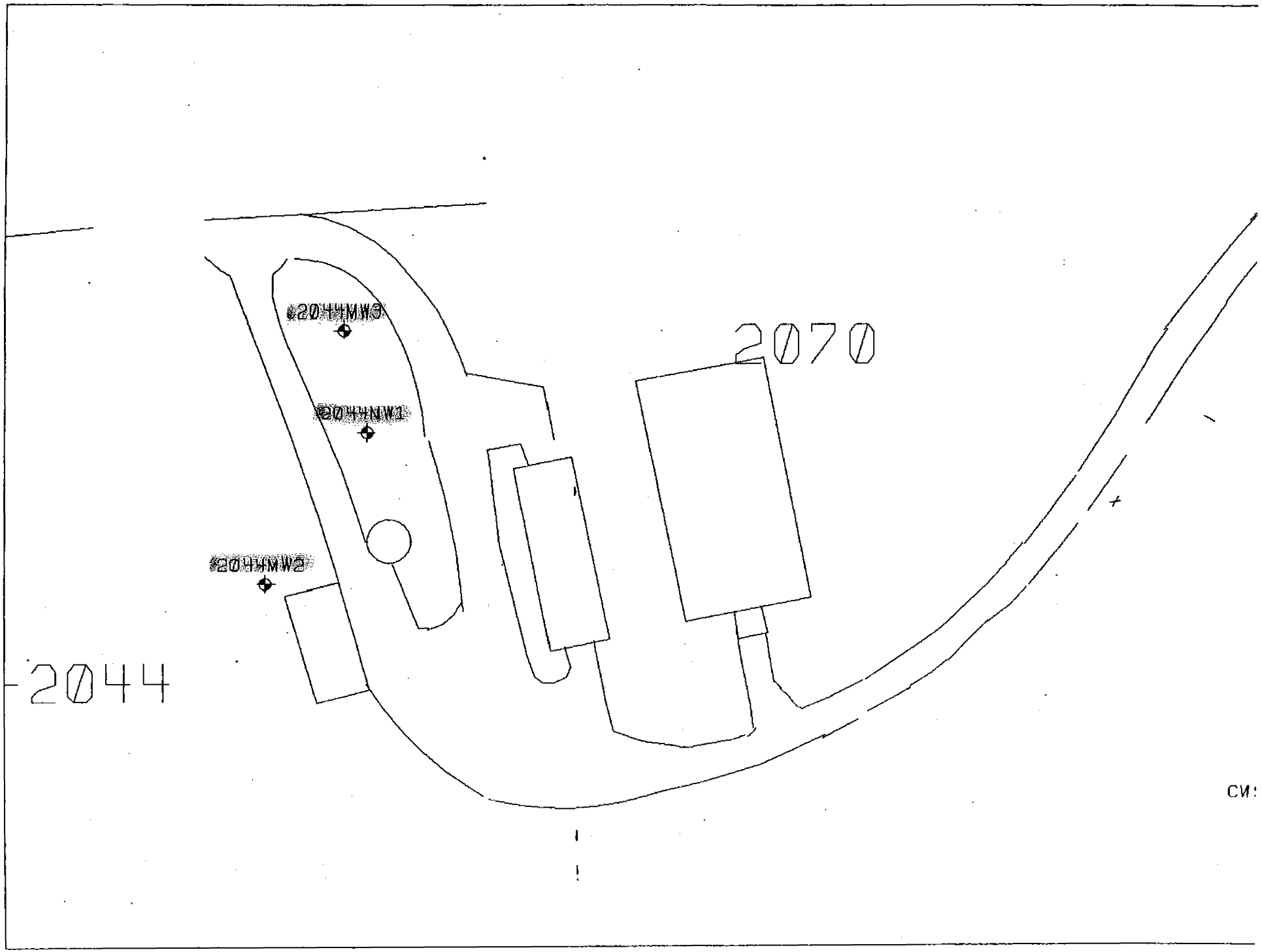
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Coc.xls8/3/99



Fort Monmouth, Charles Wood

FIGURE 4.3-13
PESTICIDE STORAGE BUILDING (CW-6)
AND SLUDGE DUMP (CW-9)
SAMPLING LOCATIONS


2044
2044MW3
2044NW1
2044MW2
2070
2044
CM

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6
MW#: 0CW6MW01
NJDEP ID #: 29-30970
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/10/99
WEATHER: Overcast, warm.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 35.06 ft
DEPTH TO WATER: 7.36 ft
DEPTH OF WELL: 17.89 ft
HEIGHT OF WATER: 10.48 ft
(10.48) X .65 X 3 = 20.43
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: 09:50
pH 7.75 su — TEMP 12.5 °C
DISSOLVED O_2 6.52 PPM — SPECIFIC CONDUCTIVITY 175 us/cm

PURGE END TIME: 11:17
pH 7.74 su — TEMP 12.4 °C
DISSOLVED O_2 4.41 PPM — SPECIFIC CONDUCTIVITY 175 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.85 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 20 gal

pH 7.75 su — TEMP 12.4 °C
DISSOLVED O_2 4.37 PPM — SPECIFIC CONDUCTIVITY 175 us/cm

COMMENTS: No phases.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6
MW#: 0CW6MW02
NJDEP ID #: 29-30971
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/10/99
WEATHER: Overcast, warm.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 35.05 ft
DEPTH TO WATER: 7.04 ft
DEPTH OF WELL: 16.80 ft
HEIGHT OF WATER: 9.76 ft
(9.76) X .65 X 3 = 19.03
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: 0.23 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 09:45
pH 6.42 su — TEMP 12.8 °C
DISSOLVED O_2 6.41 PPM — SPECIFIC CONDUCTIVITY 164 us/cm

PURGE END TIME: 11:08
pH 6.42 su — TEMP 12.5 °C
DISSOLVED O_2 4.27 PPM — SPECIFIC CONDUCTIVITY 164 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.92 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 19 gal

pH 6.42 su — TEMP 12.5 °C
DISSOLVED O_2 4.26 PPM — SPECIFIC CONDUCTIVITY 163 us/cm

COMMENTS: Cloudy, Dup. Here. No phases.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6
MW#: 0CW6MW03
NJDEP ID #: 29-30972
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/10/99
WEATHER: Overcast, warm.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 36.34 ft
DEPTH TO WATER: 7.75 ft
DEPTH OF WELL: 17.78 ft
HEIGHT OF WATER: 10.03 ft
(10.03) X .65 X 3 = 19.55
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: 09:40
pH 7.49 su — TEMP 12.9 °C
DISSOLVED O_2 6.49 PPM — SPECIFIC CONDUCTIVITY 144 us/cm

PURGE END TIME: 11:07
pH 7.47 su — TEMP 12.7 °C
DISSOLVED O_2 4.33 PPM — SPECIFIC CONDUCTIVITY 144 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.03 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 20 gal

pH 7.49 su — TEMP 12.6 °C
DISSOLVED O_2 4.30 PPM — SPECIFIC CONDUCTIVITY 145us/cm

COMMENTS: No phases.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6
MW#: 0CW6MW34
NJDEP ID #: 29-32599
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/10/99
WEATHER: Overcast, warm.
TIDE: N/A

ELEV. OF CASING SURVEY MARK: 33.76 ft
DEPTH TO WATER: 7.12 ft
DEPTH OF WELL: 16.90 ft
HEIGHT OF WATER: 9.78 ft
(9.78) X .65 X 3 = 19.07
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 GPM): PERISTALIC
PURGE RATE: 0.23 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 09:55
pH 6.44 su — TEMP 12.9 °C
DISSOLVED O_2 6.47 PPM — SPECIFIC CONDUCTIVITY 111 us/cm

PURGE END TIME: 11:18
pH 6.47 su — TEMP 12.7 °C
DISSOLVED O_2 4.31 PPM — SPECIFIC CONDUCTIVITY 110 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.35 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 19 gal

pH 6.45 su — TEMP 12.5 °C
DISSOLVED O_2 4.28 PPM — SPECIFIC CONDUCTIVITY 111 us/cm

COMMENTS: MS/MSD here. No phases.

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEPE # 13461

Definition of Qualifiers

MDL : Method Detection Limit
J : Compound identified below detection limit
B : Compound in both sample and blank
D : Results from dilution of sample
U : Compound searched for but not detected

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

Data File	**VC000646.D**	Sample Name	**Vblk20**
Operator	**Skelton**	Field ID	**Vblk20**
Date Acquired	**11 Aug 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

8/30/99 10:46 AM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Vblk20**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4705 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk20

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000646.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: not dec. Date Analyzed: 8/11/99

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	**VC000655.D**	Sample Name	**4705.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**11 Aug 1999 6:23 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

8/30/99 10:46 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.: 4705 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4705.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000655.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: not dec. Date Analyzed: 8/11/99

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	**VC000656.D**	Sample Name	**4705.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**11 Aug 1999 7:05 pm**	Sample Multiplie	**1**

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

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

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

8/30/99 10:46 AM

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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.: 4705 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4705.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000656.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: not dec. Date Analyzed: 8/11/99

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	**VC000657.D**	Sample Name	**4705.03**
Operator	**Skelton**	Field ID	**0CW6MW01**
Date Acquired	**11 Aug 1999 7:46 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

8/30/99 10:47 AM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0CW6MW01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4705 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4705.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000657.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: not dec. Date Analyzed: 8/11/99

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	**VC000658.D**	Sample Name	**4705.04**
Operator	**Skelton**	Field ID	**0CW6MW02**
Date Acquired	**11 Aug 1999 8:28 pm**	Sample Multiplie	**1**

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

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

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

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

8/30/99 10:47 AM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0CW6MW02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4705 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4705.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000658.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: not dec. Date Analyzed: 8/11/99

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	VC000659.D	Sample Name	4705.05
Operator	Skelton	Field ID	0CW6MW03
Date Acquired	11 Aug 1999 9:09 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			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	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

8/30/99 10:47 AM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0CW6MW03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4705 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4705.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000659.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: not dec. Date Analyzed: 8/11/99

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	**VC000660.D**	Sample Name	**4705.06**
Operator	**Skelton**	Field ID	**0CW6MW34**
Date Acquired	**11 Aug 1999 9:51 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

8/30/99 10:47 AM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0CW6MW34**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4705 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4705.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000660.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: not dec. Date Analyzed: 8/11/99

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	**VC000661.D**	Sample Name	**4705.07**
Operator	**Skelton**	Field ID	**Duplicate**
Date Acquired	**11 Aug 1999 10:32 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

8/30/99 10:47 AM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 4705 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4705.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000661.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: not dec. Date Analyzed: 8/11/99

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	**BNA03164.D**	Sample Name	**Sblk285**
Operator	**Bhaskar**	Misc Info	**Sblk285 A 990811**
Date Acquired	**11-Aug-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	**BNA03164.D**	Sample Name	**Sblk285**
Operator	**Bhaskar**	Misc Info	**Sblk285 A 990811**
Date Acquired	**11-Aug-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: **Sblk285**

Lab Name: FMETL Lab Code 13461

Project 98-0211 Case No.: 4705 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Sblk285

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03164.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: decanted: (Y/N) N Date Extracted: 8/11/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/11/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	9.24	38	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03167.D**	Sample Name	**4705.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**11-Aug-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	**BNA03167.D**	Sample Name	**4705.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**11-Aug-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project 98-0211 Case No.: 4705 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4705.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03167.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: decanted: (Y/N) N Date Extracted: 8/11/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/11/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.17	18	J
2.	unknown	9.24	30	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03168.D**	Sample Name	**4705.03**
Operator	**Bhaskar**	Misc Info	**0CW6MW01**
Date Acquired	**11-Aug-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	**BNA03168.D**	Sample Name	**4705.03**
Operator	**Bhaskar**	Misc Info	**0CW6MW01**
Date Acquired	**11-Aug-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: **0CW6MW01**

Lab Name: FMETL Lab Code 13461

Project 98-0211 Case No.: 4705 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4705.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03168.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: decanted: (Y/N) N Date Extracted: 8/11/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/11/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.17	21	J
2.	unknown	9.24	23	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03169.D**	Sample Name	**4705.04**
Operator	**Bhaskar**	Misc Info	**0CW6MW02**
Date Acquired	**11-Aug-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	

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Data File Name	**BNA03169.D**	Sample Name	**4705.04**
Operator	**Bhaskar**	Misc Info	**0CW6MW02**
Date Acquired	**11-Aug-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: **0CW6MW02**

Lab Name: FMETL Lab Code 13461

Project 98-0211 Case No.: 4705 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4705.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03169.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: decanted: (Y/N) N Date Extracted: 8/11/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/11/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.17	18	J
2.	unknown	9.25	24	J

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U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03170.D**	Sample Name	**4705.05**
Operator	**Bhaskar**	Misc Info	**0CW6MW03**
Date Acquired	**11-Aug-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	

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Data File Name	**BNA03170.D**	Sample Name	**4705.05**
Operator	**Bhaskar**	Misc Info	**0CW6MW03**
Date Acquired	**11-Aug-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: **0CW6MW03**

Lab Name: FMETL Lab Code 13461

Project 98-0211 Case No.: 4705 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4705.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03170.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: decanted: (Y/N) N Date Extracted: 8/11/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/11/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.17	23	J
2.	unknown	9.24	21	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03171.D**	Sample Name	**4705.06**
Operator	**Bhaskar**	Misc Info	**0CW6MW34**
Date Acquired	**11-Aug-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	**BNA03171.D**	Sample Name	**4705.06**
Operator	**Bhaskar**	Misc Info	**0CW6MW34**
Date Acquired	**11-Aug-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

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0CW6MW34**

Lab Name: FMETL Lab Code 13461

Project 98-0211 Case No.: 4705 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4705.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03171.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: decanted: (Y/N) N Date Extracted: 8/11/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/11/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.17	10	J
2.	unknown	9.24	32	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03174.D**	Sample Name	**4705.07**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**11-Aug-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	**BNA03174.D**	Sample Name	**4705.07**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**11-Aug-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: **Dupe**

Lab Name: FMETL Lab Code 13461

Project 98-0211 Case No.: 4705 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4705.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03174.D

Level: (low/med) LOW Date Received: 8/10/99

% Moisture: decanted: (Y/N) N Date Extracted: 8/11/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/11/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.16	17	J
2.	unknown	9.24	20	J

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

Client :	U.S. Army	**Lab. ID # :**	BLK377
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	8/12/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/25/99
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 # :**	4705.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/10/99
	Bldg. 173	**Extraction Date:**	8/12/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/25/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044)
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 # :**	4705.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/10/99
	Bldg. 173	**Extraction Date:**	8/12/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/25/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044)
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW01
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	15.58	0.50	0.0011	**0.021**
Gamma-chlordane	1	15.65	0.50	0.0009	**0.031**
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 # :**	4705.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/10/99
	Bldg. 173	**Extraction Date:**	8/12/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/25/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044)
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW02
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 # :**	4705.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/10/99
	Bldg. 173	**Extraction Date:**	8/12/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/25/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044)
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW03
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 # :**	4705.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/10/99
	Bldg. 173	**Extraction Date:**	8/12/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/25/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044)
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW34
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 # :**	BLK377
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	8/12/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/25/99
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 # :**	4705.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/10/99
	Bldg. 173	**Extraction Date:**	8/12/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/25/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044)
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 # :**	4705.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/10/99
	Bldg. 173	**Extraction Date:**	8/12/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/25/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044)
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW01
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	15.58	0.50	0.0011	**0.021**
Gamma-chlordane	1	15.65	0.50	0.0009	**0.031**
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 # :**	4705.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/10/99
	Bldg. 173	**Extraction Date:**	8/12/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/25/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044)
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW02
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 # :**	4705.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/10/99
	Bldg. 173	**Extraction Date:**	8/12/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/25/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044)
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW03
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 # :**	4705.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/10/99
	Bldg. 173	**Extraction Date:**	8/12/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/25/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044)
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW34
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 # :**	4705.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/10/99
	Bldg. 173	**Extraction Date:**	8/12/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	8/25/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044)
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Dupe
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

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

Lab ID #: 4705
Sample Prepared: 08/19/99

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/20/99	ND	200	10.0
Antimony	08/20/99	ND	20	2.0
Arsenic	08/20/99	ND	8	2.0
Barium	08/20/99	1.06	2000	0.5
Beryllium	08/20/99	ND	20	0.5
Cadmium	08/20/99	0.771	4	0.5
Calcium	08/20/99	76.1	NLE	20.0
Chromium	08/20/99	ND	100	0.5
Cobalt	08/20/99	ND	NLE	0.5
Copper	08/20/99	49.5	1000	3.0
Iron	08/20/99	ND	300	10.0
Lead	08/20/99	4.20	10	2.0
Magnesium	08/20/99	ND	NLE	20.0
Manganese	08/20/99	1.12	50	0.5
Mercury	08/24/99	ND	2	0.1
Nickel	08/20/99	5.75	100	0.5
Potassium	08/20/99	1290	NLE	20.0
Selenium	08/20/99	ND	50	3.0
Silver	08/20/99	ND	20	3.0
Sodium	08/20/99	303	50000	20.0
Thallium	08/20/99	ND	10	3.0
Vanadium	08/20/99	ND	NLE	1.0
Zinc	08/20/99	41.3	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 #: 4705.02
Sample Received: 08/10/99
Sample Matrix: Aqueous

Site: CW-6
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	08/20/99	ND	200	10.0
Antimony	08/20/99	ND	20	2.0
Arsenic	08/20/99	ND	8	2.0
Barium	08/20/99	1.77	2000	0.5
Beryllium	08/20/99	ND	20	0.5
Cadmium	08/20/99	ND	4	0.5
Calcium	08/20/99	215	NLE	20.0
Chromium	08/20/99	ND	100	0.5
Cobalt	08/20/99	ND	NLE	0.5
Copper	08/20/99	4.08	1000	3.0
Iron	08/20/99	131	300	10.0
Lead	08/20/99	ND	10	2.0
Magnesium	08/20/99	32.8	NLE	20.0
Manganese	08/20/99	1.10	50	0.5
Mercury	08/24/99	ND	2	0.1
Nickel	08/20/99	1.29	100	0.5
Potassium	08/20/99	57.6	NLE	20.0
Selenium	08/20/99	ND	50	3.0
Silver	08/20/99	ND	20	3.0
Sodium	08/20/99	34.2	50000	20.0
Thallium	08/20/99	ND	10	3.0
Vanadium	08/20/99	ND	NLE	1.0
Zinc	08/20/99	7.13	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 #: 4705.03
Sample Received: 08/10/99
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW01

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/20/99	661	200	10.0
Antimony	08/20/99	2.94	20	2.0
Arsenic	08/20/99	8.87	8	2.0
Barium	08/20/99	15.9	2000	0.5
Beryllium	08/20/99	ND	20	0.5
Cadmium	08/20/99	1.93	4	0.5
Calcium	08/20/99	30900	NLE	20.0
Chromium	08/20/99	8.07	100	0.5
Cobalt	08/20/99	0.915	NLE	0.5
Copper	08/20/99	20.4	1000	3.0
Iron	08/20/99	4760	300	10.0
Lead	08/20/99	4.59	10	2.0
Magnesium	08/20/99	7070	NLE	20.0
Manganese	08/20/99	229	50	0.5
Mercury	08/24/99	ND	2	0.1
Nickel	08/20/99	4.72	100	0.5
Potassium	08/20/99	1730	NLE	20.0
Selenium	08/20/99	ND	50	3.0
Silver	08/20/99	37.9	20	3.0
Sodium	08/20/99	17800	50000	20.0
Thallium	08/20/99	ND	10	3.0
Vanadium	08/20/99	9.90	NLE	1.0
Zinc	08/20/99	25.6	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 #: 4705.04
Sample Received: 08/10/99
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW02

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/20/99	3610	200	10.0
Antimony	08/20/99	ND	20	2.0
Arsenic	08/20/99	ND	8	2.0
Barium	08/20/99	59.3	2000	0.5
Beryllium	08/20/99	ND	20	0.5
Cadmium	08/20/99	0.664	4	0.5
Calcium	08/20/99	5910	NLE	20.0
Chromium	08/20/99	8.78	100	0.5
Cobalt	08/20/99	5.17	NLE	0.5
Copper	08/20/99	6.90	1000	3.0
Iron	08/20/99	2930	300	10.0
Lead	08/20/99	ND	10	2.0
Magnesium	08/20/99	3080	NLE	20.0
Manganese	08/20/99	58.8	50	0.5
Mercury	08/24/99	ND	2	0.1
Nickel	08/20/99	10.7	100	0.5
Potassium	08/20/99	2290	NLE	20.0
Selenium	08/20/99	ND	50	3.0
Silver	08/20/99	ND	20	3.0
Sodium	08/20/99	32100	50000	20.0
Thallium	08/20/99	ND	10	3.0
Vanadium	08/20/99	6.29	NLE	1.0
Zinc	08/20/99	74.1	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 #: 4705.05
Sample Received: 08/10/99
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW03

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/20/99	345	200	10.0
Antimony	08/20/99	ND	20	2.0
Arsenic	08/20/99	ND	8	2.0
Barium	08/20/99	33.8	2000	0.5
Beryllium	08/20/99	ND	20	0.5
Cadmium	08/20/99	ND	4	0.5
Calcium	08/20/99	13900	NLE	20.0
Chromium	08/20/99	2.39	100	0.5
Cobalt	08/20/99	1.07	NLE	0.5
Copper	08/20/99	8.09	1000	3.0
Iron	08/20/99	451	300	10.0
Lead	08/20/99	ND	10	2.0
Magnesium	08/20/99	2550	NLE	20.0
Manganese	08/20/99	19.5	50	0.5
Mercury	08/24/99	0.1	2	0.1
Nickel	08/20/99	3.02	100	0.5
Potassium	08/20/99	901	NLE	20.0
Selenium	08/20/99	ND	50	3.0
Silver	08/20/99	ND	20	3.0
Sodium	08/20/99	15100	50000	20.0
Thallium	08/20/99	ND	10	3.0
Vanadium	08/20/99	1.24	NLE	1.0
Zinc	08/20/99	18.3	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 #: 4705.06
Sample Received: 08/10/99
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	08/20/99	522	200	10.0
Antimony	08/20/99	ND	20	2.0
Arsenic	08/20/99	2.89	8	2.0
Barium	08/20/99	39.1	2000	0.5
Beryllium	08/20/99	ND	20	0.5
Cadmium	08/20/99	ND	4	0.5
Calcium	08/20/99	5230	NLE	20.0
Chromium	08/20/99	3.49	100	0.5
Cobalt	08/20/99	1.18	NLE	0.5
Copper	08/20/99	3.80	1000	3.0
Iron	08/20/99	4940	300	10.0
Lead	08/20/99	ND	10	2.0
Magnesium	08/20/99	1410	NLE	20.0
Manganese	08/20/99	34.0	50	0.5
Mercury	08/24/99	0.3	2	0.1
Nickel	08/20/99	3.41	100	0.5
Potassium	08/20/99	2970	NLE	20.0
Selenium	08/20/99	ND	50	3.0
Silver	08/20/99	ND	20	3.0
Sodium	08/20/99	20600	50000	20.0
Thallium	08/20/99	ND	10	3.0
Vanadium	08/20/99	2.26	NLE	1.0
Zinc	08/20/99	110	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 #: 4705.07
Sample Received: 08/10/99
Sample Matrix: Aqueous

Site: CW-6
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	08/20/99	17800	200	10.0
Antimony	08/20/99		20	2.0
Arsenic	08/20/99	ND	8	2.0
Barium	08/20/99	72.6	2000	0.5
Beryllium	08/20/99	0.740	20	0.5
Cadmium	08/20/99	3.66	4	0.5
Calcium	08/20/99	6210	NLE	20.0
Chromium	08/20/99	15.1	100	0.5
Cobalt	08/20/99	5.67	NLE	0.5
Copper	08/20/99	106	1000	3.0
Iron	08/20/99	7550	300	10.0
Lead	08/20/99	13.2	10	2.0
Magnesium	08/20/99	4870	NLE	20.0
Manganese	08/20/99	66.9	50	0.5
Mercury	08/24/99	0.1	2	0.1
Nickel	08/20/99	22.5	100	0.5
Potassium	08/20/99	2710	NLE	20.0
Selenium	08/20/99	ND	50	3.0
Silver	08/20/99	ND	20	3.0
Sodium	08/20/99	34500	50000	20.0
Thallium	08/20/99	ND	10	3.0
Vanadium	08/20/99	11.0	NLE	1.0
Zinc	08/20/99	172	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	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Iron	Silver	Sodium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	0.2	0.1	0.5	0.5	200	8	300	20	50000	-
04/30/97	FMETL	0.029	0.026	0.057	0.038	290	2	1880	21	24000	V,S,P,M
09/02/97	FMETL	0.035	0.027	0.096	0.054	361	4.0	790	6.0	23730	V,S,P,M
12/01/97	FMETL	0.024	0.023	0.057	0.025	303	ND	468	ND	17300	V,S.P.M
03/05/98	FMETL	0.026	0.014	0.031	0.025	374	ND	1953	ND	18070	V,S,P,M
06/15/98	FMETL	0.020	ND	0.054	0.031	541	5.1	2414	ND	20990	V,S,P,M
09/22/98	FMETL	ND	ND	ND	ND	77700	88	112000	ND	107000	V,S.P,M
12/04/98	FMETL	ND	0.024	0.050	0.021	237	10.8	2190	ND	20200	V,S,P,M
02/17/99	FMETL	0.028	0.013	0.062	0.030	91.2	ND	1140	ND	28600	V,S,P,M
06/18/99	FMETL	ND	ND	ND	ND	638	4.74	1930	ND	21900	V,S,P,M
08/10/99	FMETL	ND	ND	0.021	0.031	661	8.87	4760	37.9	17800	V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/97 - 08/10/99

NOTES:

Page 1 of 2.

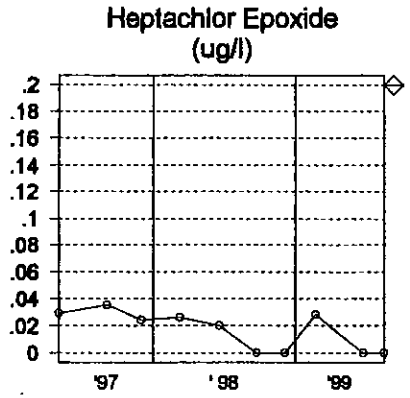
FORT MONMOUTH

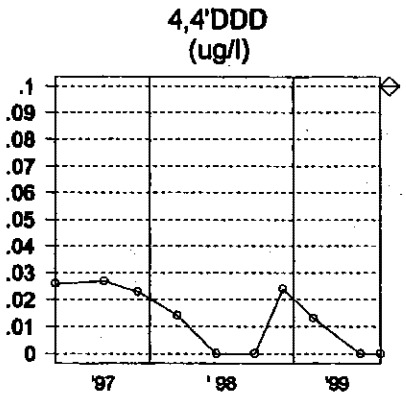
GW MONITORING
CW-6 Bldg. 2044

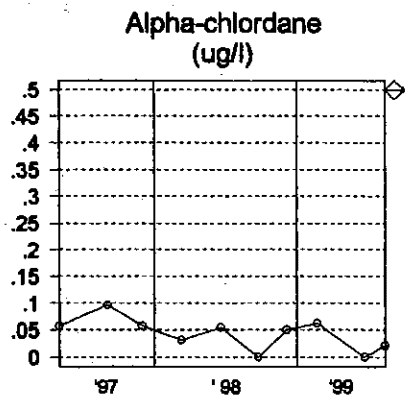
Well 1 of 4

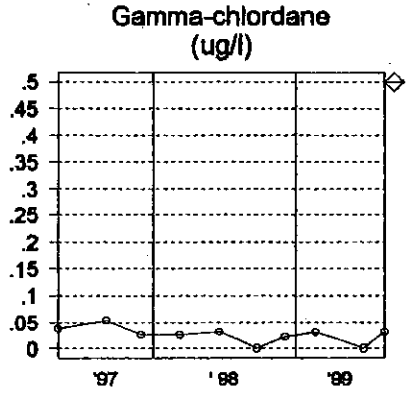
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

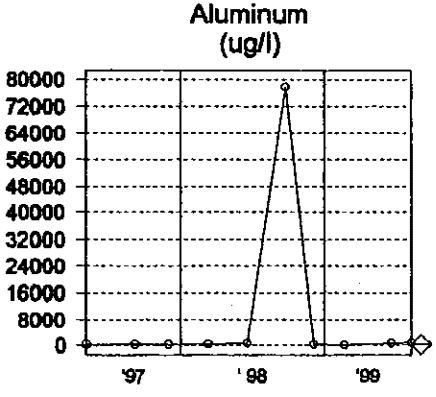
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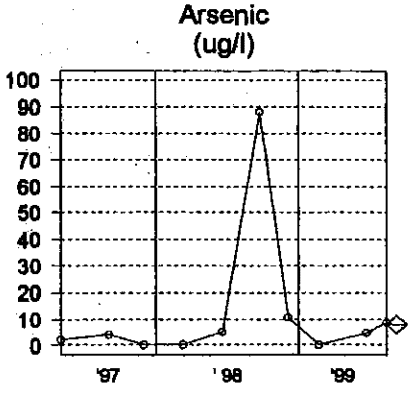


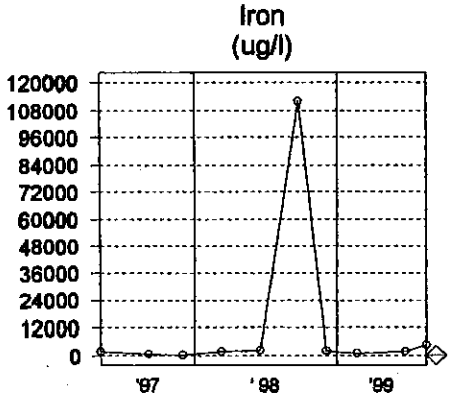


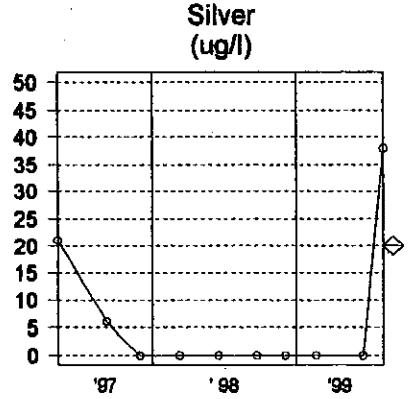


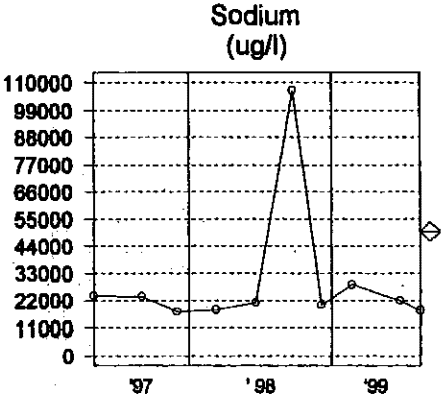












SOURCE: 0CW6MW01

Sampling Dates:
04/30/97 - 08/10/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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

09-08-1999 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Depth to Water									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
04/30/97	FMETL	3.60									V,S,P,M
09/02/97	FMETL	4.80									V,S,P,M
12/01/97	FMETL	4.20									V,S.P.M
03/05/98	FMETL	3.38									V,S,P,M
06/15/98	FMETL	3.47									V,S,P,M
09/22/98	FMETL	6.21									V,S.P,M
12/04/98	FMETL	8.25									V,S,P,M
02/17/99	FMETL	4.24									V,S,P,M
06/18/99	FMETL	5.93									V,S,P,M
08/10/99	FMETL	7.36									V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/97 - 08/10/99

NOTES:

Page 2 of 2.

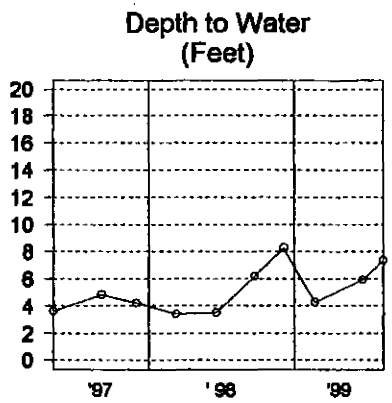
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4

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

09-08-1999 x:\mtech46\fm\2044a\gw\2044.wsf



SOURCE: 0CW6MW01

Sampling Dates:
04/30/97 - 08/10/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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

09-08-1999 x:\mtech48\fm\2044a\gw\2044.wsf

	Lab	Di-n-butyl phthalate	Butyl benzyl phthalate	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Iron	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	900	100	0.2	0.1	0.5	0.5	200	8	300	-
04/30/97	FMETL	81	19	ND	ND	ND	ND	260	22	76000	V,S,P,M
08/29/97	FMETL	ND	ND	-	-	-	-	2600	6	7140	V,S,P,M
12/01/97	FMETL	1.12	ND	ND	ND	ND	ND	10060	7	9940	V,S,P,M
03/05/98	FMETL	ND	ND	ND	ND	ND	ND	28570	17.9	21390	V,S,P,M
06/15/98	FMETL	ND	ND	ND	ND	ND	ND	37960	48.1	41540	V,S,P,M
09/22/98	FMETL	ND	ND	0.023	0.026	0.056	0.033	630	13	5450	V,S,P,M
12/04/98	FMETL	ND	ND	ND	ND	ND	ND	5040	ND	3500	V,S,P,M
02/17/99	FMETL	ND	ND	ND	ND	ND	ND	26000	7.88	17700	V,S,P,M
06/18/99	FMETL	ND	ND	ND	ND	ND	ND	24700	2.94	9570	V,S,P,M
08/10/99	FMETL	ND	ND	ND	ND	ND	ND	3610	ND	2930	V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/97 - 08/10/99

NOTES:

Page 1 of 2.

FORT MONMOUTH

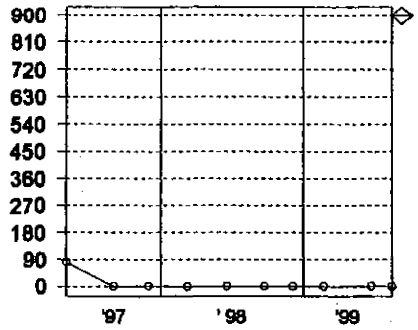
GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4

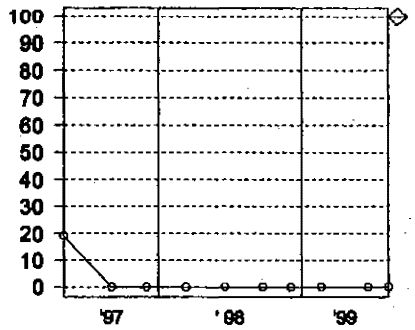
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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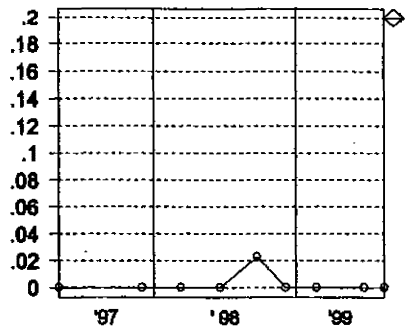
Di-n-butylphthalate (ug/l)



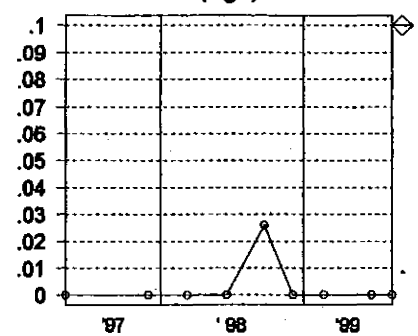
Butylbenzylphthalate (ug/l)



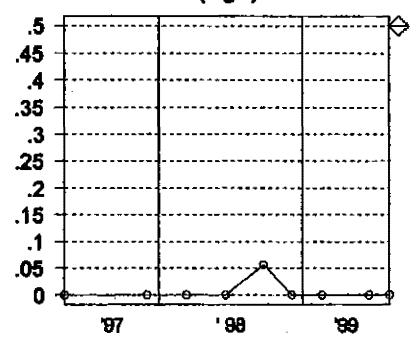
Heptachlor Epoxide (ug/l)



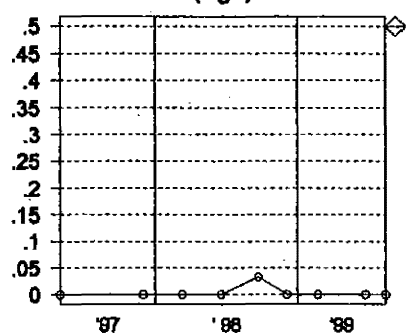
4,4'DDD (ug/l)



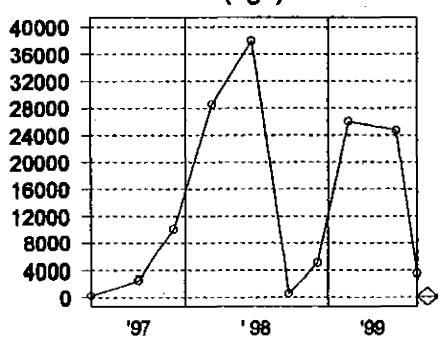
Alpha-chlordane (ug/l)



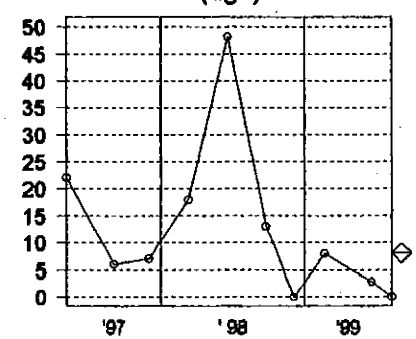
Gamma-chlordane (ug/l)



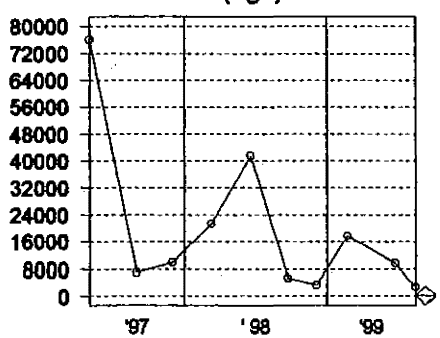
Aluminum (ug/l)



Arsenic (ug/l)



Iron (ug/l)



SOURCE: 0CW6MW02

Sampling Dates:
04/30/97 - 08/10/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4, Graph

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

09-08-1999 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Silver	Sodium	Depth to Water							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	20	50000	-							-
04/30/97	FMETL	89	104500	3.03							V,S,P,M
08/29/97	FMETL	ND	48940	5.80							V,S,P,M
12/01/97	FMETL	ND	21000	4.10							V,S,P,M
03/05/98	FMETL	ND	30750	2.81							V,S,P,M
06/15/98	FMETL	ND	46240	3.06							V,S,P,M
09/22/98	FMETL	ND	22200	6.22							V,S,P,M
12/04/98	FMETL	ND	27700	6.51							V,S,P,M
02/17/99	FMETL	ND	57100	4.11							V,S,P,M
06/16/99	FMETL	ND	54500	5.93							V,S,P,M
08/10/99	FMETL	ND	32100	7.04							V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/97 - 08/10/99

NOTES:

Page 2 of 2.

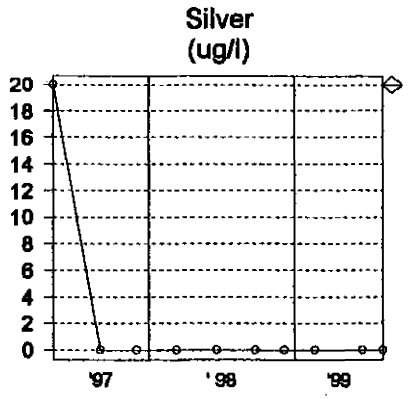
FORT MONMOUTH

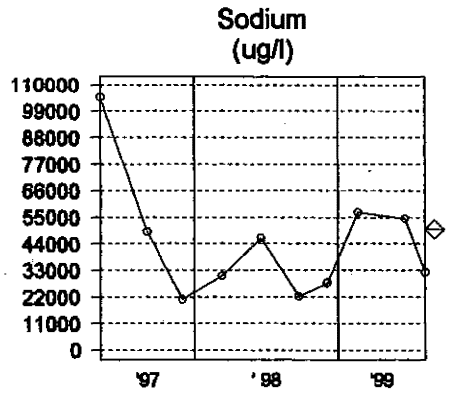
GW MONITORING
CW-6 Bldg. 2044

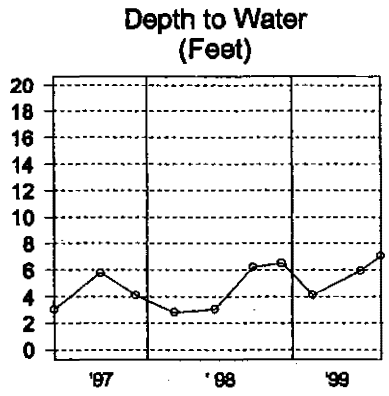
Well 2 of 4

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

09-08-1999 x:\mtech46\fm\2044a\gw\2044.wsf







SOURCE: 0CW6MW02

Sampling Dates:
04/30/97 - 08/10/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4, Graph

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

09-08-1999 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	8	300	20	50000	-				-
04/30/97	FMETL	124	1.0	595	19	11000	3.90				V,S,P,M
08/29/97	FMETL	292	ND	2490	ND	7090	6.50				V,S,P,M
12/01/97	FMETL	293	ND	538	ND	11830	4.80				V,S,P,M
03/05/98	FMETL	506	ND	848	ND	10780	3.32				V,S,P,M
06/15/98	FMETL	335	ND	1165	ND	10860	3.98				V,S,P,M
09/22/98	FMETL	934	ND	3600	ND	7320	7.15				V,S,P,M
12/04/98	FMETL	425	ND	781	ND	8720	7.37				V,S,P,M
02/17/99	FMETL	1050	ND	1110	ND	14300	4.73				V,S,P,M
06/18/99	FMETL	950	ND	542	ND	11600	6.72				V,S,P,M
08/10/99	FMETL	345	ND	451	ND	15100	7.75				V,S,P,M

SOURCE: 0CW6MW03

Sampling Dates:
04/30/97 - 08/10/99

NOTES:

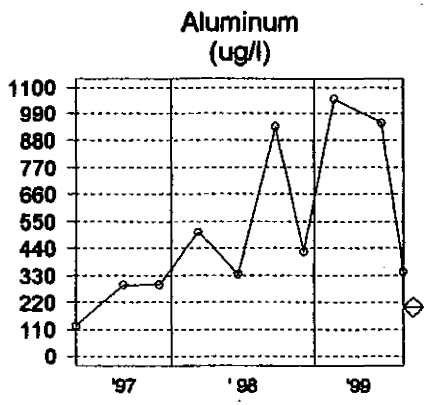
FORT MONMOUTH

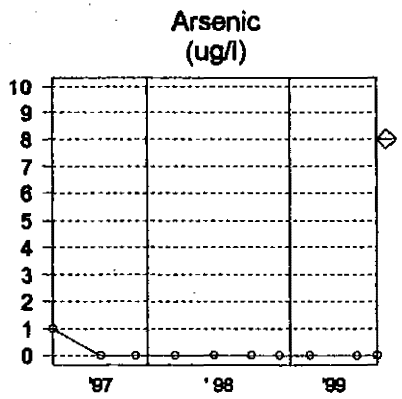
GW MONITORING
CW-6 Bldg. 2044

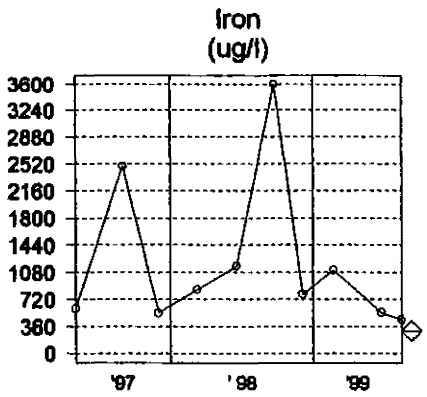
Well 3 of 4

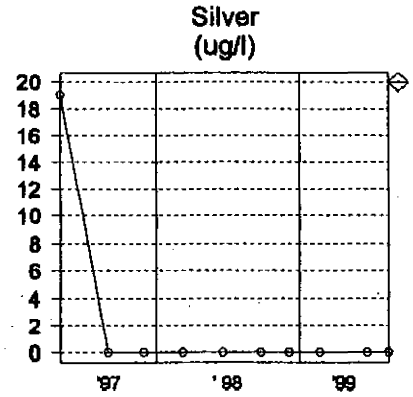
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

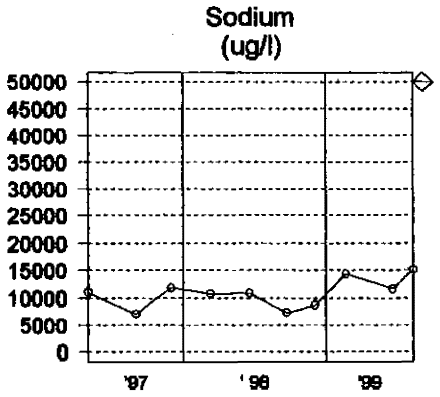
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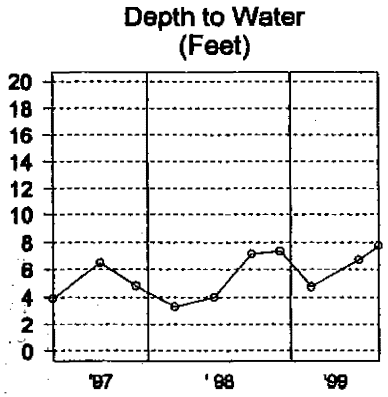












SOURCE: 0CW6MW03

Sampling Dates:
04/30/97 - 08/10/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 3 of 4, Graph

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

09-08-1999 x:\mtech48\fm\2044a\gw\2044.wsf

	Lab	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	8	300	20	50000	-				-
04/30/97	FMETL	48	2.0	2100	18	15500	3.75				V,S,P,M
09/02/97	FMETL	120	1.0	1380	13	16570	4.90				V,S,P,M
12/01/97	FMETL	348	ND	652	ND	15500	4.25				V,S,P,M
03/05/98	FMETL	385	ND	2212	ND	15940	3.78				V,S,P,M
06/15/98	FMETL	204	ND	2624	ND	15380	5.54				V,S,P,M
09/22/98	FMETL	360	6	9030	ND	16300	6.31				V,S,P,M
12/04/98	FMETL	434	ND	2280	ND	14400	6.01				V,S,P,M
02/17/99	FMETL	345	ND	2640	ND	18800	4.23				V,S,P,M
06/18/99	FMETL	419	2.71	5350	ND	19400	6.28				V,S,P,M
08/10/99	FMETL	522	2.89	4940	ND	20600	7.12				V,S,P,M

SOURCE: 0CW6MW34

Sampling Dates:
04/30/97 - 08/10/99

NOTES:

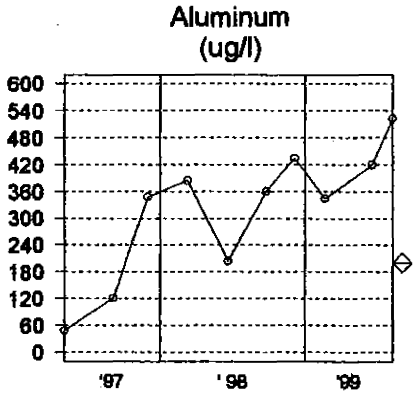
FORT MONMOUTH

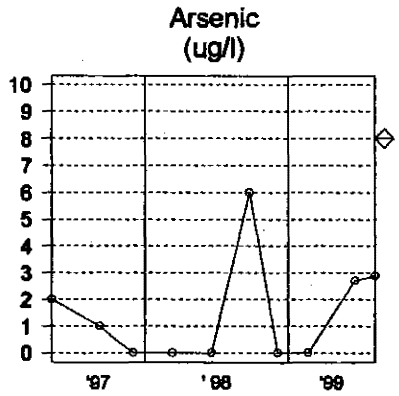
GW MONITORING
CW-6 Bldg. 2044

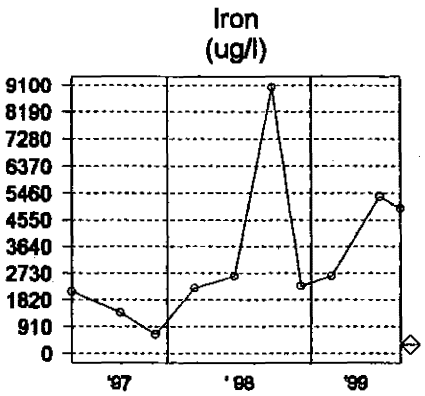
Well 4 of 4

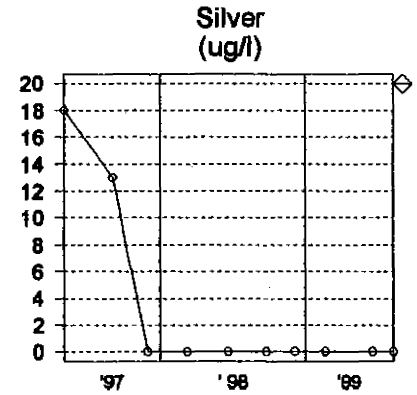
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

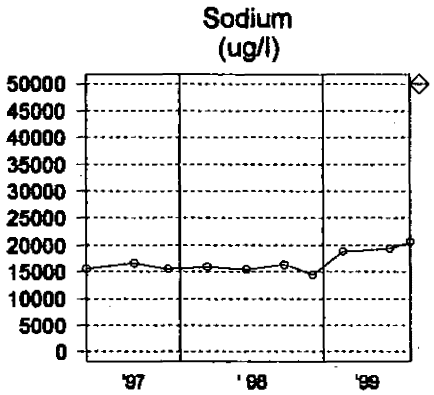
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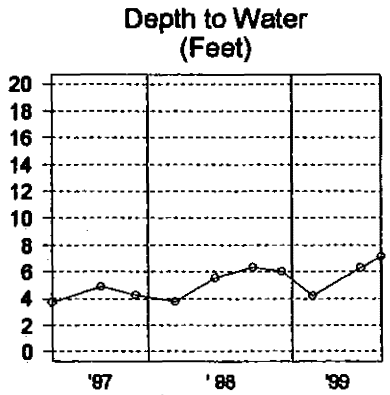












SOURCE: 0CW6MW34

Sampling Dates:
04/30/97 - 08/10/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

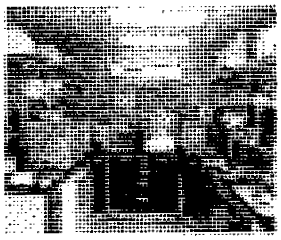
Well 4 of 4, Graph

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

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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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4942.04	0CW6MW01	29-30970	11/15/99
4942.05	0CW6MW02	29-30971	11/15/99
4942.06	0CW6MW03	29-30972	11/15/99
4942.07	0CW6MW34	29-32599	11/15/99

NJDEP Laboratory Certification # 13461

12-13-99

Daniel Wright/Date:
Laboratory Director

METHODOLOGY SUMMARY

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

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



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: J. Fallon
Phone #: 532-6223
(X)DERA ( )OMA ( )Other:_____
Project No:
Location: CW6 (2044) Wells 4th Qrt. '99
Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA's	TAL MTLS	BNA+25	Pest / PCB				Haz Rmd	Comments: HCL/HNO3/4°C Remarks / Preservation Method
4948.01	Trip	11/15/99	0735	AQ	2	✓							—	
.02	Field Blank		1250		5	✓	✓	✓	✓				—	
.03	Dupe.		—		5	✓	✓	✓	✓				—	
.04	OCW6MW01		1301		5	✓	✓	✓	✓				0.0	29-30970
.05	OCW6MW02*		1316		5	✓	✓	✓	✓				0.0	29-30971
.06	OCW6MW03		1309		5	✓	✓	✓	—				0.0	29-30972
.07	OCW6MW34		1323		5	✓	✓	✓	—				0.0	29-32599
DTW only:														
	OCW6MW35	: 6.42	ft		/								0.0	29-32600
													~~0~~ cm	29-32601
	OCW6MW36	: 5.05	ft		/								0.0	

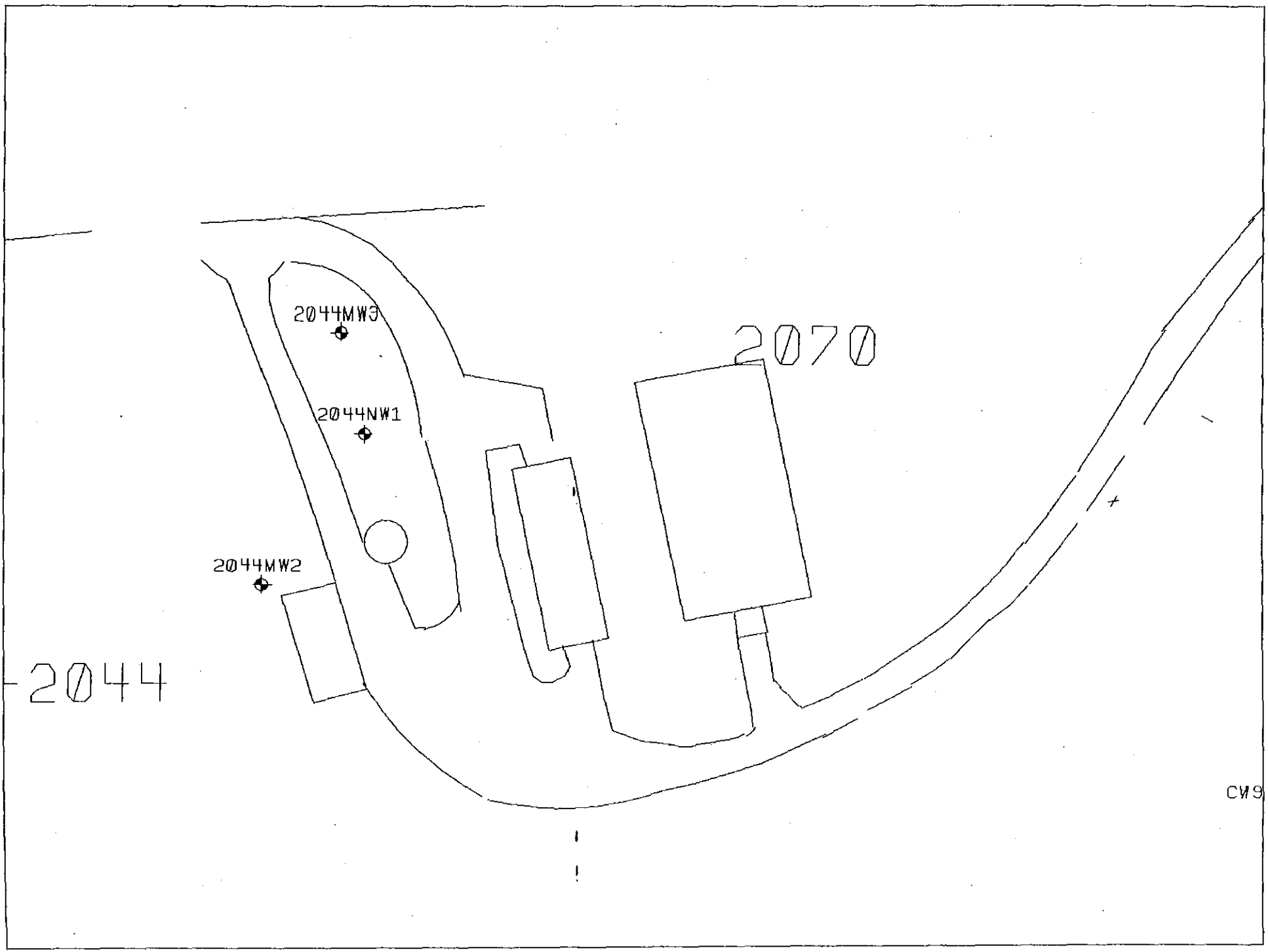
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	11/15/99 1430				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: (X)Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: Shows Trip/FB/Dupe w/ 2000, 2018, 2067 COC
Tide: N/A

print legibly

Coc.xls10/4/99


2044
2044MW3
2070
2044NW1
2044MW2
2044

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW01
NJDEP ID #: 29-30970
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/15/99
WEATHER: Overcast, cold, windy.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 35.06 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.06 ft
DEPTH OF WELL: 17.89 ft
DEPTH TO TOP OF SCREEN: 2.00 ft
HEIGHT OF WATER: 12.83 ft
(12.83) X .65 X 3 =25.01
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: 11:12
pH 6.91 su — TEMP 13.6 °C
DISSOLVED O2 7.71 ppm — SPECIFIC CONDUCTIVITY 89 us/cm

PURGE END TIME: 13:00
pH 6.90 su — TEMP 13.4 °C
DISSOLVED O2 5.87 ppm — SPECIFIC CONDUCTIVITY 87 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 5.08 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 13:01
pH 6.88 su — TEMP 13.3 °C
DISSOLVED O2 5.81 ppm — SPECIFIC CONDUCTIVITY 86 us/cm

SAMPLE END TIME: 13:08

COMMENTS: Little DTW change.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW02
NJDEP ID #: 29-30971
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/15/99
WEATHER: Overcast, cold, windy.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 35.05 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.00 ft
DEPTH OF WELL: 16.80 ft
DEPTH TO TOP OF SCREEN: 2.00 ft
HEIGHT OF WATER: 11.80 ft
(11.80) X .65 X 3 =23.01
GALLONS OF H2O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:30
pH 6.47 su — TEMP 13.5 °C
DISSOLVED O2 6.89 ppm — SPECIFIC CONDUCTIVITY 64 us/cm

PURGE END TIME: 13:10
pH 6.48 su — TEMP 13.4 °C
DISSOLVED O2 5.41 ppm — SPECIFIC CONDUCTIVITY 62 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.04 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 13:16
pH 6.46 su — TEMP 13.4 °C
DISSOLVED O2 5.37 ppm — SPECIFIC CONDUCTIVITY 63 us/cm

SAMPLE END TIME: 13:22

COMMENTS: Cloudy. DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW03
NJDEP ID #: 29-30972
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/15/99
WEATHER: Overcast, cold, windy.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 36.34 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.93 ft
DEPTH OF WELL: 17.78 ft
DEPTH TO TOP OF SCREEN: 2.00 ft
HEIGHT OF WATER: 11.85 ft
(11.85) X .65 X 3 =23.10
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: 11:25
pH 7.00 su — TEMP 13.7 °C
DISSOLVED O2 7.11 ppm — SPECIFIC CONDUCTIVITY 54 us/cm

PURGE END TIME: 13:05
pH 6.98 su — TEMP 13.3 °C
DISSOLVED O2 6.21 ppm — SPECIFIC CONDUCTIVITY 54 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.03 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 13:09
pH 6.97 su — TEMP 13.4 °C
DISSOLVED O2 6.17 ppm — SPECIFIC CONDUCTIVITY 55 us/cm

SAMPLE END TIME: 13:15

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW34
NJDEP ID #: 29-32594
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/15/99
WEATHER: Overcast, cold, windy.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 33.76 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.91 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: 4.50 ft
HEIGHT OF WATER: 11.99 ft
(11.99) X .65 X 3 =23.38
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: 11:35
pH 6.59 su — TEMP 13.6 °C
DISSOLVED O2 6.71 ppm — SPECIFIC CONDUCTIVITY 70 us/cm

PURGE END TIME: 13:15
pH 6.62 su — TEMP 13.4 °C
DISSOLVED O2 6.21 ppm — SPECIFIC CONDUCTIVITY 71 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 5.09 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 13:23
pH 6.57 su — TEMP 13.3 °C
DISSOLVED O2 6.17 ppm — SPECIFIC CONDUCTIVITY 70 us/cm

SAMPLE END TIME: 13:29

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW35
NJDEP ID #: 29-32600
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/15/99
WEATHER: Overcast, cold, windy.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 31.43 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.42 ft
DEPTH OF WELL: 16.65 ft
DEPTH TO TOP OF SCREEN: 4.50 ft
HEIGHT OF WATER: 11.99 ft
( ) X .65 X 3 =
GALLONS OF H2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

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

SAMPLE START TIME:
pH. su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW36
NJDEP ID #: 29-32601
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/15/99
WEATHER: Overcast, cold, windy.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 33.21 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.05 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: 4.50 ft
HEIGHT OF WATER: 11.99 ft
( ) X .65 X 3 =
GALLONS OF H2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

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

SAMPLE START TIME:
pH. su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

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	**VB004892.D**	Sample Name	**Vblk149**
Operator	**Skelton**	Field ID	**Vblk149**
Date Acquired	**24 Nov 1999 10:38 am**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
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. **Vblk149**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4942 Location: CW6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: Vblk149

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004892.D

Level: (low/med) LOW Date Received: 11/15/99

% Moisture: not dec. _____ Date Analyzed: 11/24/99

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	**VB004894.D**	Sample Name	**4942.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**24 Nov 1999 12:13 pm**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
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.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4942 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4942.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004894.D

Level: (low/med) LOW Date Received: 11/15/99

% Moisture: not dec. Date Analyzed: 11/24/99

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	**VB004895.D**	Sample Name	**4942.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**24 Nov 1999 12:52 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	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.: 4942 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4942.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004895.D

Level: (low/med) LOW Date Received: 11/15/99

% Moisture: not dec. Date Analyzed: 11/24/99

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	**VB004896.D**	Sample Name	**4942.03**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**24 Nov 1999 1:32 pm**	Sample Multiplie	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
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.

Dupe

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4942 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4942.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004896.D

Level: (low/med) LOW Date Received: 11/15/99

% Moisture: not dec. Date Analyzed: 11/24/99

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	**VB004897.D**	Sample Name	**4942.04**
Operator	**Skelton**	Field ID	**0CW6MW01**
Date Acquired	**24 Nov 1999 2:12 pm**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
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. **0CW6MW01**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4942 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4942.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004897.D

Level: (low/med) LOW Date Received: 11/15/99

% Moisture: not dec. Date Analyzed: 11/24/99

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	**VB004898.D**	Sample Name	**4942.05**
Operator	**Skelton**	Field ID	**0CW6MW02**
Date Acquired	**24 Nov 1999 2:51 pm**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
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. **0CW6MW02**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4942 Location: CW6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 4942.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004898.D

Level: (low/med) LOW Date Received: 11/15/99

% Moisture: not dec. _____ Date Analyzed: 11/24/99

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	**VB004899.D**	Sample Name	**4942.06**
Operator	**Skelton**	Field ID	**0CW6MW03**
Date Acquired	**24 Nov 1999 3:31 pm**	Sample Multiplie	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
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. **0CW6MW03**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4942 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4942.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004899.D

Level: (low/med) LOW Date Received: 11/15/99

% Moisture: not dec. Date Analyzed: 11/24/99

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	VB004900.D	Sample Name	4942.07
Operator	Skelton	Field ID	0CW6MW34
Date Acquired	24 Nov 1999 4:11 pm	Sample Multiplie	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
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. **0CW6MW34**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 4942 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4942.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004900.D

Level: (low/med) LOW Date Received: 11/15/99

% Moisture: not dec. Date Analyzed: 11/24/99

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

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03395.D**	Sample Name	**Sblk322**
Operator	**Bhaskar**	Misc Info	**Sblk322 A 991119**
Date Acquired	**19-Nov-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	**BNA03395.D**	Sample Name	**Sblk322**
Operator	**Bhaskar**	Misc Info	**Sblk322 A 991119**
Date Acquired	**19-Nov-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: **Sblk322**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4942 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Sblk322

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03395.D

Level: (low/med) LOW Date Received: 11/15/99

% Moisture: decanted: (Y/N) N Date Extracted: 11/19/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.21	84	J
2. 000111-77-3	Ethanol, 2-(2-methoxyethoxy)-	9.14	5	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03400.D**	Sample Name	**4942.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**22-Nov-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	**BNA03400.D**	Sample Name	**4942.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**22-Nov-99**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4942 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4942.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03400.D

Level: (low/med) LOW Date Received: 11/15/99

% Moisture: decanted: (Y/N) N Date Extracted: 11/19/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/99

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	**BNA03401.D**	Sample Name	**4942.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**22-Nov-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	**BNA03401.D**	Sample Name	**4942.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**22-Nov-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: **Dupe**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4942 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4942.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03401.D

Level: (low/med) LOW Date Received: 11/15/99

% Moisture: decanted: (Y/N) N Date Extracted: 11/19/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/99

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	**BNA03402.D**	Sample Name	**4942.04**
Operator	**Bhaskar**	Misc Info	**0CW6MW01**
Date Acquired	**22-Nov-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	**BNA03402.D**	Sample Name	**4942.04**
Operator	**Bhaskar**	Misc Info	**0CW6MW01**
Date Acquired	**22-Nov-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: **0CW6MW01**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4942 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4942.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03402.D

Level: (low/med) LOW Date Received: 11/15/99

% Moisture: decanted: (Y/N) N Date Extracted: 11/19/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	8.75	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03403.D**	Sample Name	**4942.05**
Operator	**Bhaskar**	Misc Info	**0CW6MW02**
Date Acquired	**22-Nov-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	

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Data File Name	**BNA03403.D**	Sample Name	**4942.05**
Operator	**Bhaskar**	Misc Info	**0CW6MW02**
Date Acquired	**22-Nov-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: **0CW6MW02**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4942 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4942.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03403.D

Level: (low/med) LOW Date Received: 11/15/99

% Moisture: decanted: (Y/N) N Date Extracted: 11/19/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	8.75	5	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03404.D**	Sample Name	**4942.06**
Operator	**Bhaskar**	Misc Info	**0CW6MW03**
Date Acquired	**22-Nov-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	**BNA03404.D**	Sample Name	**4942.06**
Operator	**Bhaskar**	Misc Info	**0CW6MW03**
Date Acquired	**22-Nov-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

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **0CW6MW03**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4942 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4942.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03404.D

Level: (low/med) LOW Date Received: 11/15/99

% Moisture: decanted: (Y/N) N Date Extracted: 11/19/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	8.75	4	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03405.D**	Sample Name	**4942.07**
Operator	**Bhaskar**	Misc Info	**0CW6MW34**
Date Acquired	**22-Nov-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	**BNA03405.D**	Sample Name	**4942.07**
Operator	**Bhaskar**	Misc Info	**0CW6MW34**
Date Acquired	**22-Nov-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: **0CW6MW34**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 4942 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 4942.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03405.D

Level: (low/med) LOW Date Received: 11/15/99

% Moisture: decanted: (Y/N) N Date Extracted: 11/19/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000111-77-3	Ethanol, 2-(2-methoxyethoxy)-	9.12	7	JN

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

Client :	U.S. Army	**Lab. ID # :**	BLK433
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	11/17/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/23/99
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 # :**	4942.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/15/99
	Bldg. 173	**Extraction Date:**	11/17/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/23/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044) Well
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ng/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 # :**	4942.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/15/99
	Bldg. 173	**Extraction Date:**	11/17/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/23/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044) Well
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Dupe
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	**ND**
beta-BHC	1		0.20	0.0024	**ND**
gamma-BHC	1		0.20	0.0015	**ND**
delta-BHC	1		NLE	0.0019	**ND**
Heptachlor	1		0.40	0.0020	**ND**
Aldrin	1		0.04	0.0010	**ND**
Heptachlor Epoxide	1		0.20	0.0009	**ND**
Endosulfan I	1		0.40	0.0057	**ND**
4,4'-DDE	1		0.10	0.0009	**ND**
Dieldrin	1		0.03	0.0016	**ND**
Endrin	1		2.00	0.0020	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1		0.10	0.0022	**ND**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Methoxychlor	1		40.00	0.0038	**ND**
Alpha-chlordane	1		0.50	0.0011	**ND**
Gamma-chlordane	1		0.50	0.0009	**ND**
Toxaphene	1		3.00	0.0273	**ND**
Arochlor 1016	1		0.50	0.0640	**ND**
Arochlor 1221	1		0.50	0.0500	**ND**
Arochlor 1232	1		0.50	0.0500	**ND**
Arochlor 1242	1		0.50	0.0280	**ND**
Arochlor 1248	1		0.50	0.0500	**ND**
Arochlor 1254	1		0.50	0.0500	**ND**
Arochlor 1260	1		0.50	0.0680	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	4942.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/15/99
	Bldg. 173	**Extraction Date:**	11/17/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/23/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044) Wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW01
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ng/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	14.47	0.20	0.0009	**0.271**
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	15.79	0.50	0.0011	**0.284**
Gamma-chlordane	1	14.91	0.50	0.0009	**0.307**
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 # :**	4942.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/15/99
	Bldg. 173	**Extraction Date:**	11/17/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/23/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044) Wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW02
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	I		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 # :**	4942.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/15/99
	Bldg. 173	**Extraction Date:**	11/17/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/23/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044) Wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW03
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 # :**	4942.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/15/99
	Bldg. 173	**Extraction Date:**	11/17/99
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/23/99
Analysis:	EPA Method 608	**Location :**	CW6 (2044) Well
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW34
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 #: 4942
Sample Prepared: 11/30/99

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/01/99	ND	200	10.0
Antimony	12/01/99	ND	20	2.0
Arsenic	12/01/99	ND	8	2.0
Barium	12/01/99	ND	2000	0.5
Beryllium	12/01/99	ND	20	0.5
Cadmium	12/01/99	ND	4	0.5
Calcium	12/01/99	76.7	NLE	20.0
Chromium	12/01/99	ND	100	0.5
Cobalt	12/01/99	ND	NLE	0.5
Copper	12/01/99	25.7	1000	3.0
Iron	12/01/99	14.6	300	10.0
Lead	12/01/99	ND	10	2.0
Magnesium	12/01/99	23.8	NLE	20.0
Manganese	12/01/99	ND	50	0.5
Mercury	11/29/99	ND	2	0.1
Nickel	12/01/99	1.43	100	0.5
Potassium	12/01/99	123	NLE	20.0
Selenium	12/01/99	ND	50	3.0
Silver	12/01/99	ND	20	3.0
Sodium	12/01/99	118	50000	20.0
Thallium	12/01/99	ND	10	3.0
Vanadium	12/01/99	ND	NLE	1.0
Zinc	12/01/99	7.66	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 #: 4942.02
Sample Received: 11/15/99
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/01/99	ND	200	10.0
Antimony	12/01/99	ND	20	2.0
Arsenic	12/01/99	ND	8	2.0
Barium	12/01/99	ND	2000	0.5
Beryllium	12/01/99	ND	20	0.5
Cadmium	12/01/99	ND	4	0.5
Calcium	12/01/99	ND	NLE	20.0
Chromium	12/01/99	ND	100	0.5
Cobalt	12/01/99	ND	NLE	0.5
Copper	12/01/99	ND	1000	3.0
Iron	12/01/99	ND	300	10.0
Lead	12/01/99	ND	10	2.0
Magnesium	12/01/99	ND	NLE	20.0
Manganese	12/01/99	ND	50	0.5
Mercury	11/29/99	ND	2	0.1
Nickel	12/01/99	1.73	100	0.5
Potassium	12/01/99	26.1	NLE	20.0
Selenium	12/01/99	ND	50	3.0
Silver	12/01/99	ND	20	3.0
Sodium	12/01/99	591	50000	20.0
Thallium	12/01/99	ND	10	3.0
Vanadium	12/01/99	ND	NLE	1.0
Zinc	12/01/99	ND	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 4942.03
Sample Received: 11/15/99
Sample Matrix: Aqueous

Site: CW-6
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	12/01/99	15200	200	10.0
Antimony	12/01/99	ND	20	2.0
Arsenic	12/01/99	2.23	8	2.0
Barium	12/01/99	75.7	2000	0.5
Beryllium	12/01/99	1.07	20	0.5
Cadmium	12/01/99	0.965	4	0.5
Calcium	12/01/99	5990	NLE	20.0
Chromium	12/01/99	8.53	100	0.5
Cobalt	12/01/99	6.11	NLE	0.5
Copper	12/01/99	14.0	1000	3.0
Iron	12/01/99	8130	300	10.0
Lead	12/01/99	8.27	10	2.0
Magnesium	12/01/99	5690	NLE	20.0
Manganese	12/01/99	67.5	50	0.5
Mercury	11/29/99	ND	2	0.1
Nickel	12/01/99	13.2	100	0.5
Potassium	12/01/99	2500	NLE	20.0
Selenium	12/01/99	ND	50	3.0
Silver	12/01/99	ND	20	3.0
Sodium	12/01/99	32400	50000	20.0
Thallium	12/01/99	ND	10	3.0
Vanadium	12/01/99	6.52	NLE	1.0
Zinc	12/01/99	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 #: 4942.04
Sample Received: 11/15/99
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW01

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/01/99	590	200	10.0
Antimony	12/01/99	ND	20	2.0
Arsenic	12/01/99	2.33	8	2.0
Barium	12/01/99	9.86	2000	0.5
Beryllium	12/01/99	ND	20	0.5
Cadmium	12/01/99	ND	4	0.5
Calcium	12/01/99	29200	NLE	20.0
Chromium	12/01/99	5.34	100	0.5
Cobalt	12/01/99	ND	NLE	0.5
Copper	12/01/99	33.1	1000	3.0
Iron	12/01/99	1190	300	10.0
Lead	12/01/99	ND	10	2.0
Magnesium	12/01/99	7270	NLE	20.0
Manganese	12/01/99	90.0	50	0.5
Mercury	11/29/99	0.1	2	0.1
Nickel	12/01/99	4.12	100	0.5
Potassium	12/01/99	1820	NLE	20.0
Selenium	12/01/99	ND	50	3.0
Silver	12/01/99	ND	20	3.0
Sodium	12/01/99	19300	50000	20.0
Thallium	12/01/99	ND	10	3.0
Vanadium	12/01/99	4.07	NLE	1.0
Zinc	12/01/99	28.2	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 #: 4942.05
Sample Received: 11/15/99
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW02

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/01/99	15700	200	10.0
Antimony	12/01/99	ND	20	2.0
Arsenic	12/01/99	2.28	8	2.0
Barium	12/01/99	75.9	2000	0.5
Beryllium	12/01/99	1.07	20	0.5
Cadmium	12/01/99	0.931	4	0.5
Calcium	12/01/99	6430	NLE	20.0
Chromium	12/01/99	9.45	100	0.5
Cobalt	12/01/99	6.12	NLE	0.5
Copper	12/01/99	8.82	1000	3.0
Iron	12/01/99	8610	300	10.0
Lead	12/01/99	8.70	10	2.0
Magnesium	12/01/99	5920	NLE	20.0
Manganese	12/01/99	68.7	50	0.5
Mercury	11/29/99	ND	2	0.1
Nickel	12/01/99	13.2	100	0.5
Potassium	12/01/99	2490	NLE	20.0
Selenium	12/01/99	ND	50	3.0
Silver	12/01/99	ND	20	3.0
Sodium	12/01/99	32700	50000	20.0
Thallium	12/01/99	ND	10	3.0
Vanadium	12/01/99	7.27	NLE	1.0
Zinc	12/01/99	104	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 #: 4942.06
Sample Received: 11/15/99
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW03

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/01/99	408	200	10.0
Antimony	12/01/99	ND	20	2.0
Arsenic	12/01/99	ND	8	2.0
Barium	12/01/99	33.5	2000	0.5
Beryllium	12/01/99	ND	20	0.5
Cadmium	12/01/99	ND	4	0.5
Calcium	12/01/99	12600	NLE	20.0
Chromium	12/01/99	1.35	100	0.5
Cobalt	12/01/99	1.59	NLE	0.5
Copper	12/01/99	4.73	1000	3.0
Iron	12/01/99	604	300	10.0
Lead	12/01/99	ND	10	2.0
Magnesium	12/01/99	2130	NLE	20.0
Manganese	12/01/99	16.4	50	0.5
Mercury	11/29/99	ND	2	0.1
Nickel	12/01/99	2.84	100	0.5
Potassium	12/01/99	728	NLE	20.0
Selenium	12/01/99	ND	50	3.0
Silver	12/01/99	ND	20	3.0
Sodium	12/01/99	12400	50000	20.0
Thallium	12/01/99	ND	10	3.0
Vanadium	12/01/99	ND	NLE	1.0
Zinc	12/01/99	35.4	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 #: 4942.07
Sample Received: 11/15/99
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	12/01/99	215	200	10.0
Antimony	12/01/99	ND	20	2.0
Arsenic	12/01/99	ND	8	2.0
Barium	12/01/99	37.5	2000	0.5
Beryllium	12/01/99	ND	20	0.5
Cadmium	12/01/99	ND	4	0.5
Calcium	12/01/99	8310	NLE	20.0
Chromium	12/01/99	2.35	100	0.5
Cobalt	12/01/99	1.19	NLE	0.5
Copper	12/01/99	4.41	1000	3.0
Iron	12/01/99	1390	300	10.0
Lead	12/01/99	ND	10	2.0
Magnesium	12/01/99	2060	NLE	20.0
Manganese	12/01/99	23.4	50	0.5
Mercury	11/29/99	ND	2	0.1
Nickel	12/01/99	3.17	100	0.5
Potassium	12/01/99	2270	NLE	20.0
Selenium	12/01/99	ND	50	3.0
Silver	12/01/99	ND	20	3.0
Sodium	12/01/99	19400	50000	20.0
Thallium	12/01/99	ND	10	3.0
Vanadium	12/01/99	ND	NLE	1.0
Zinc	12/01/99	84.2	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	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Iron	Silver	Sodium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	0.2	0.1	0.5	0.5	200	8	300	20	50000	-
04/30/1997	FMETL	0.029	0.026	0.057	0.038	290	2	1880	21	24000	V,S,P,M
09/02/1997	FMETL	0.035	0.027	0.096	0.054	361	4.0	790	6.0	23730	V,S,P,M
12/01/1997	FMETL	0.024	0.023	0.057	0.025	303	ND	468	ND	17300	V,S.P.M
03/05/1998	FMETL	0.026	0.014	0.031	0.025	374	ND	1953	ND	18070	V,S,P,M
06/15/1998	FMETL	0.020	ND	0.054	0.031	541	5.1	2414	ND	20990	V,S,P,M
09/22/1998	FMETL	ND	ND	ND	ND	77700	88	112000	ND	107000	V,S.P,M
12/04/1998	FMETL	ND	0.024	0.050	0.021	237	10.8	2190	ND	20200	V,S,P,M
02/17/1999	FMETL	0.028	0.013	0.062	0.030	91.2	ND	1140	ND	28600	V,S,P,M
06/18/1999	FMETL	ND	ND	ND	ND	638	4.74	1930	ND	21900	V,S,P,M
08/10/1999	FMETL	ND	ND	0.021	0.031	661	8.87	4760	37.9	17800	V,S,P,M
11/15/1999	FMETL	0.271	ND	0.284	0.307	590	2.33	1190	ND	19300	V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 11/15/1999

NOTES:

Page 1 of 2.

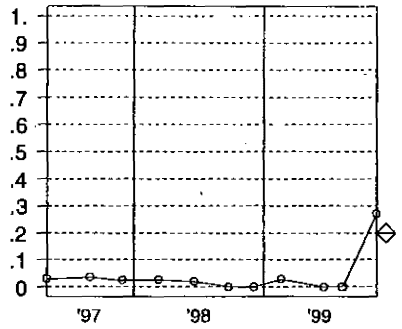
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

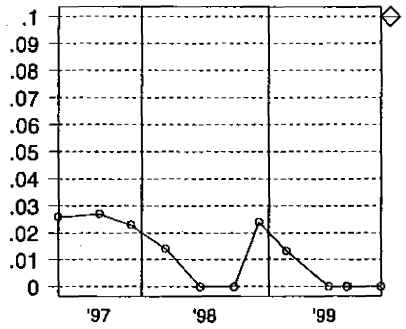
Well 1 of 4

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

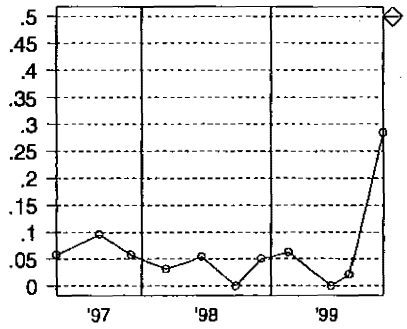
Heptachlor Epoxide
(ug/l)



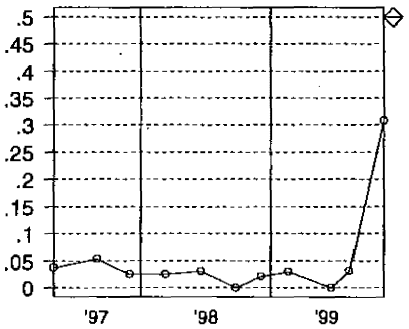
4,4'DDD
(ug/l)



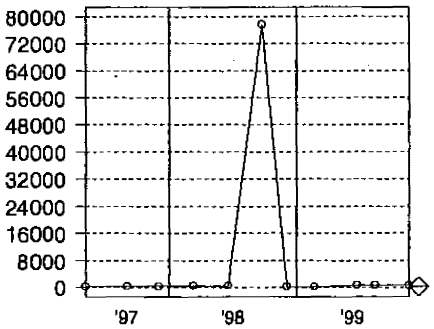
Alpha-chlordane
(ug/l)



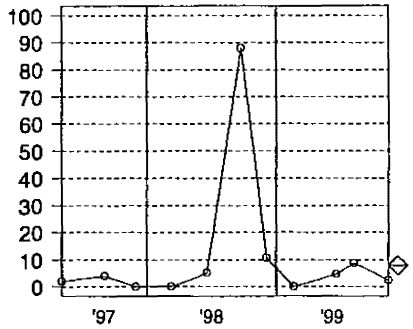
Gamma-chlordane
(ug/l)



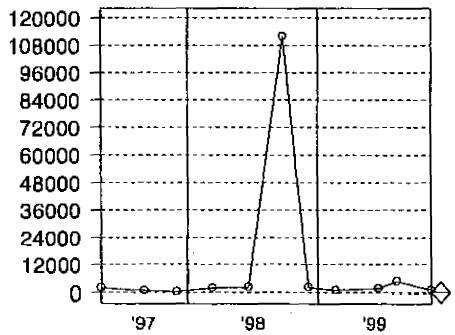
Aluminum
(ug/l)



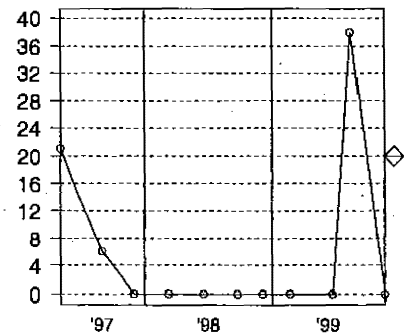
Arsenic
(ug/l)



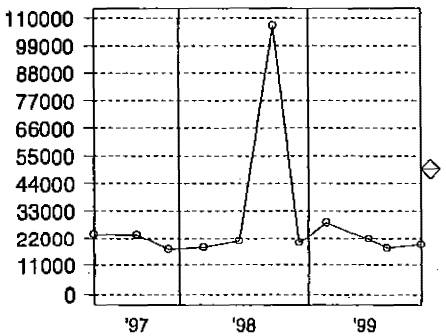
Iron
(ug/l)



Silver
(ug/l)



Sodium
(ug/l)



SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 11/15/1999

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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FORT MONMOUTH
SELFM-PW-EV

02-24-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Depth to Water									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
04/30/97	FMETL	3.60									V,S,P,M
09/02/97	FMETL	4.80									V,S,P,M
12/01/97	FMETL	4.20									V,S.P.M
03/05/98	FMETL	3.38									V,S,P,M
06/15/98	FMETL	3.47									V,S,P,M
09/22/98	FMETL	6.21									V,S.P,M
12/04/98	FMETL	8.25									V,S,P,M
02/17/99	FMETL	4.24									V,S,P,M
06/18/99	FMETL	5.93									V,S,P,M
08/10/99	FMETL	7.36									V,S,P,M
11/15/99	FMETL	5.06									V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/97 - 11/15/99

NOTES:

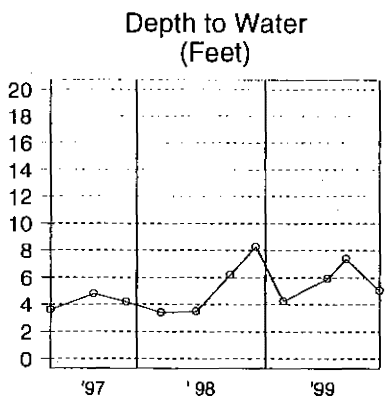
Page 2 of 2.

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4

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FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0CW6MW01

Sampling Dates:
04/30/97 - 11/15/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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

12-10-1999 x:\ntech46\fm\2044a\gw\2044.wsf

	Lab	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Iron	Silver	Sodium	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	0.2	0.1	0.5	0.5	200	8	300	20	50000	-
04/30/1997	FMETL	ND	ND	ND	ND	260	22	76000	89	104500	V,S,P,M
08/29/1997	FMETL	-	-	-	-	2600	6	7140	ND	48940	V,S,P,M
12/01/1997	FMETL	ND	ND	ND	ND	10060	7	9940	ND	21000	V,S,P,M
03/05/1998	FMETL	ND	ND	ND	ND	28570	17.9	21390	ND	30750	V,S,P,M
06/15/1998	FMETL	ND	ND	ND	ND	37960	48.1	41540	ND	46240	V,S,P,M
09/22/1998	FMETL	0.023	0.026	0.056	0.033	630	13	5450	ND	22200	V,S,P,M
12/04/1998	FMETL	ND	ND	ND	ND	5040	ND	3500	ND	27700	V,S,P,M
02/17/1999	FMETL	ND	ND	ND	ND	26000	7.88	17700	ND	57100	V,S,P,M
06/18/1999	FMETL	ND	ND	ND	ND	24700	2.94	9570	ND	54500	V,S,P,M
08/10/1999	FMETL	ND	ND	ND	ND	3610	ND	2930	ND	32100	V,S,P,M
11/15/1999	FMETL	ND	ND	ND	ND	15700	2.28	8610	ND	32700	V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 11/15/1999

NOTES:

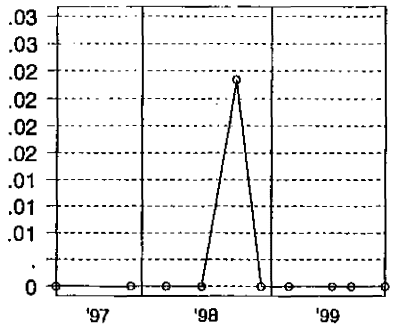
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

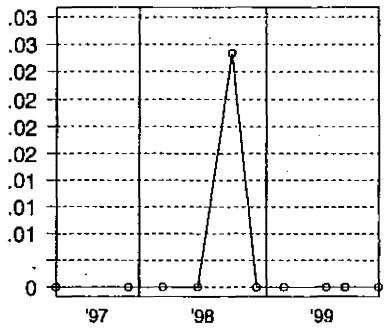
Well 2 of 4

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

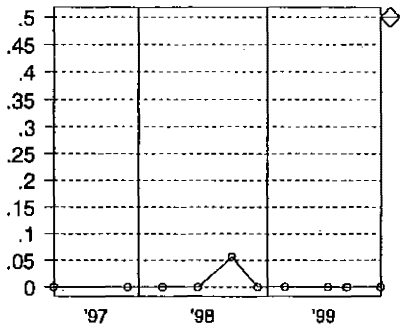
Heptachlor Epoxide (ug/l)



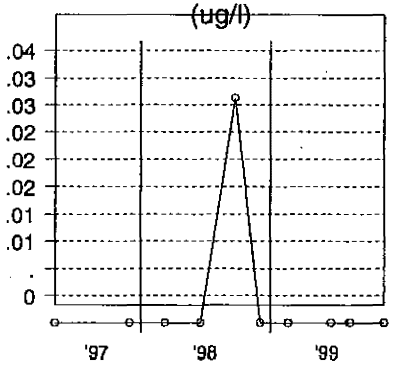
4,4'DDD (ug/l)



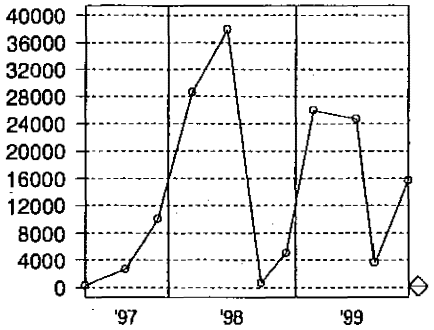
Alpha-chlordane (ug/l)



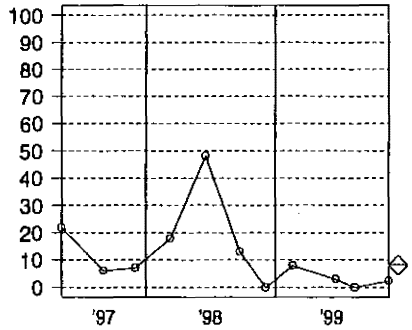
Gamma-chlordane (ug/l)



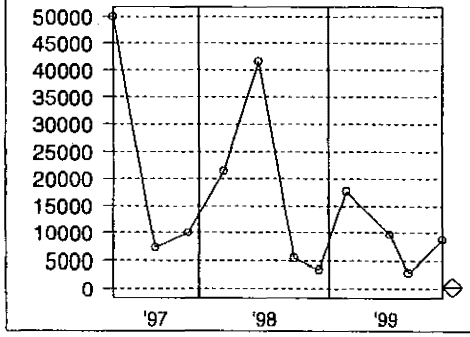
Aluminum (ug/l)



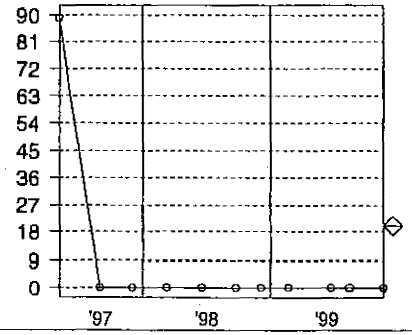
Arsenic (ug/l)



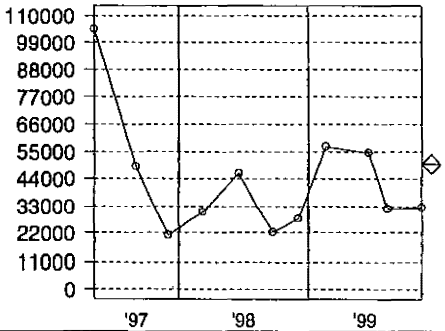
Iron (ug/l)



Silver (ug/l)



Sodium (ug/l)



SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 11/15/1999

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4, Graph

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

02-24-2000 x:\mtech46\fm\2044a\gw\2044.wst

	Lab	Depth to Water									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
04/30/97	FMETL	3.03									V,S,P,M
08/29/97	FMETL	5.80									V,S,P,M
12/01/97	FMETL	4.10									V,S,P,M
03/05/98	FMETL	2.81									V,S,P,M
06/15/98	FMETL	3.06									V,S,P,M
09/22/98	FMETL	6.22									V,S,P,M
12/04/98	FMETL	6.51									V,S,P,M
02/17/99	FMETL	4.11									V,S,P,M
06/18/99	FMETL	5.93									V,S,P,M
08/10/99	FMETL	7.04									V,S,P,M
11/15/99	FMETL	5.00									V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/97 - 11/15/99

NOTES:

Page 2 of 2.

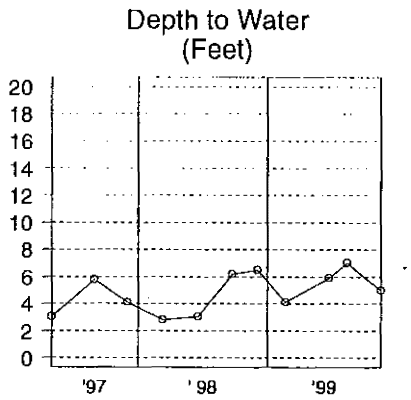
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4

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

12-10-1999 x:\mtech46\fm\2044a\gw\2044.wsf



SOURCE: 0CW6MW02

Sampling Dates:
04/30/97 - 11/15/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4, Graph

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

12-10-1999 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	8	300	20	50000	-				-
04/30/97	FMETL	124	1.0	595	19	11000	3.90				V,S,P,M
08/29/97	FMETL	292	ND	2490	ND	7090	6.50				V,S,P,M
12/01/97	FMETL	293	ND	538	ND	11830	4.80				V,S,P,M
03/05/98	FMETL	506	ND	848	ND	10780	3.32				V,S,P,M
06/15/98	FMETL	335	ND	1165	ND	10860	3.98				V,S,P,M
09/22/98	FMETL	934	ND	3600	ND	7320	7.15				V,S,P,M
12/04/98	FMETL	425	ND	781	ND	8720	7.37				V,S,P,M
02/17/99	FMETL	1050	ND	1110	ND	14300	4.73				V,S,P,M
06/18/99	FMETL	950	ND	542	ND	11600	6.72				V,S,P,M
08/10/99	FMETL	345	ND	451	ND	15100	7.75				V,S,P,M
11/15/99	FMETL	408	ND	604	ND	12400	5.93				V,S,P,M

SOURCE: 0CW6MW03

Sampling Dates:
04/30/97 - 11/15/99

NOTES:

FORT MONMOUTH

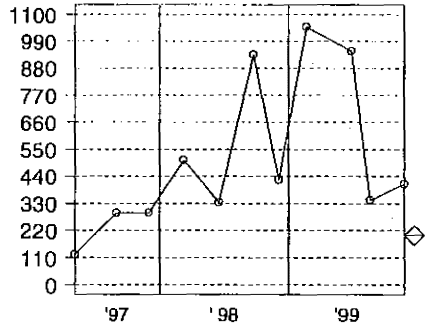
GW MONITORING
CW-6 Bldg. 2044

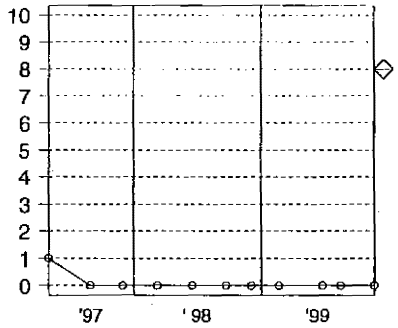
Well 3 of 4

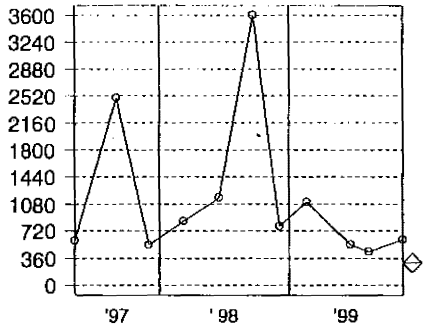


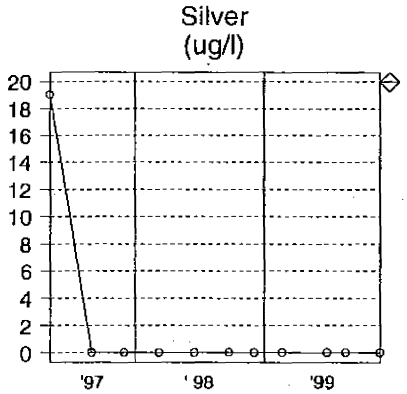
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

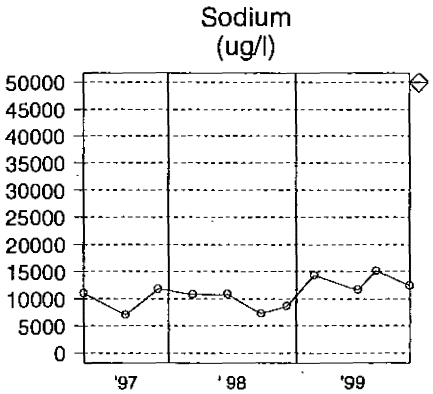
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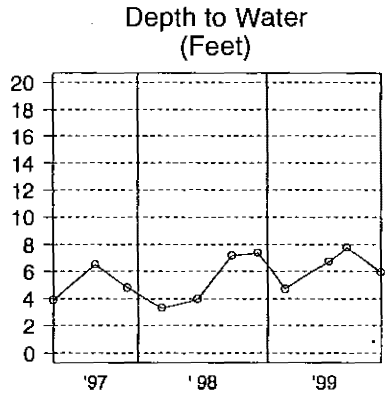












SOURCE: 0CW6MW03

Sampling Dates:
04/30/97 - 11/15/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 3 of 4, Graph

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

12-10-1999 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	8	300	20	50000	-				-
04/30/97	FMETL	48	2.0	2100	18	15500	3.75				V,S,P,M
09/02/97	FMETL	120	1.0	1380	13	16570	4.90				V,S,P,M
12/01/97	FMETL	348	ND	652	ND	15500	4.25				V,S,P,M
03/05/98	FMETL	385	ND	2212	ND	15940	3.78				V,S,P,M
06/15/98	FMETL	204	ND	2624	ND	15380	5.54				V,S,P,M
09/22/98	FMETL	360	6	9030	ND	16300	6.31				V,S,P,M
12/04/98	FMETL	434	ND	2280	ND	14400	6.01				V,S,P,M
02/17/99	FMETL	345	ND	2640	ND	18800	4.23				V,S,P,M
06/18/99	FMETL	419	2.71	5350	ND	19400	6.28				V,S,P,M
08/10/99	FMETL	522	2.89	4940	ND	20600	7.12				V,S,P,M
11/15/99	FMETL	215*	ND	1390	ND	19400	4.91				V,S,P,M

SOURCE: 0CW6MW34

Sampling Dates:
04/30/97 - 11/15/99

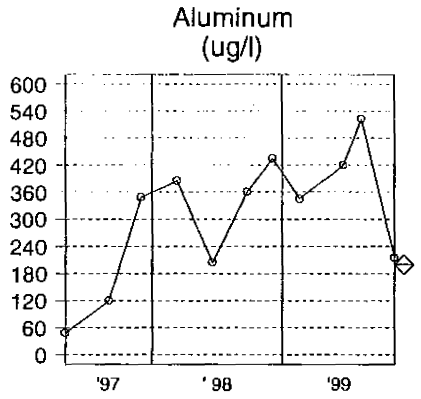
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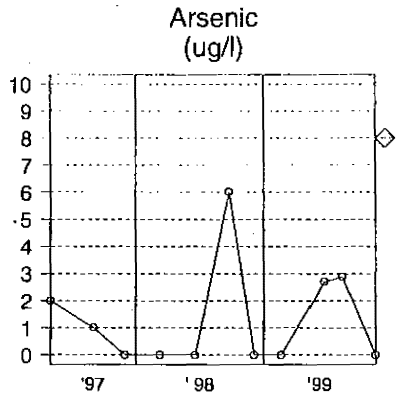
FORT MONMOUTH

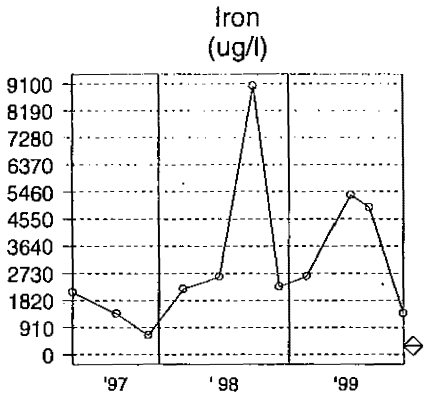
GW MONITORING
CW-6 Bldg. 2044

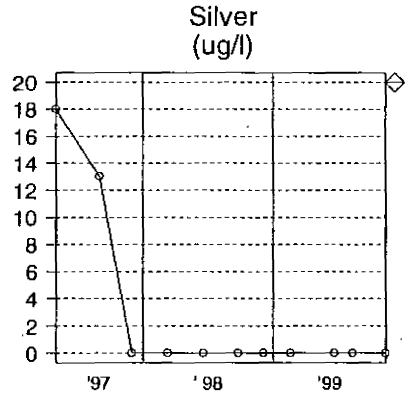
Well 4 of 4

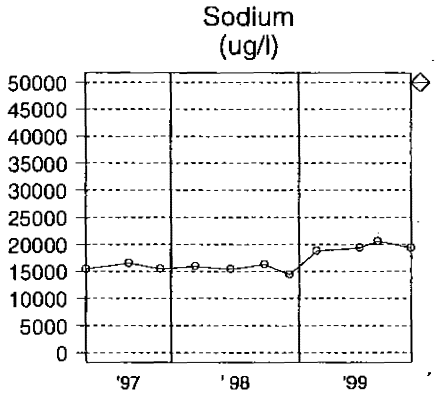
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

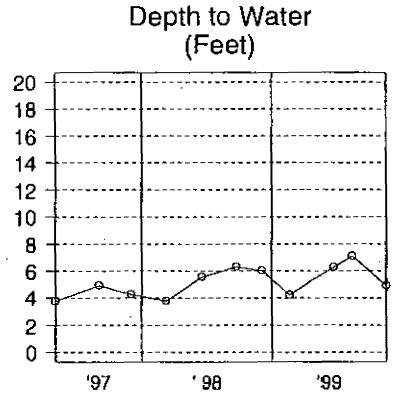












SOURCE: 0CW6MW34

Sampling Dates:
04/30/97 - 11/15/99

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

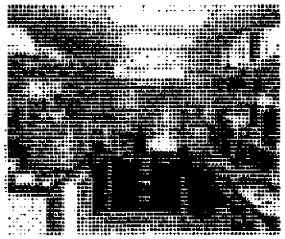
Well 4 of 4, Graph

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

12-10-1999 x:\mtech46\fm\2044a\gw\2044.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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5291.01	0CW6MW01	29-30970	03/27/00
5291.02	0CW6MW02	29-30971	03/27/00
5291.03	0CW6MW03	29-30972	03/27/00
5291.04	0CW6MW34	29-32599	03/27/00

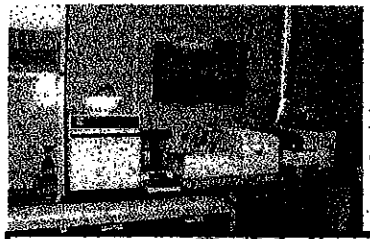
NJDEP Laboratory Certification # 13461

5-2-00

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. ITALIAN
Phone #: X26223
(X)DERA ( )OMA ( )Other:_____
Project No:
Location: CW6 MW
1st Qtr '00
Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA's	TAL Metals	Pest/PCB	BNA TICs				Hex Read	Comments: Remarks / Preservation Method
										Analysis Parameters				
32911.01	OCW6 MW01	3/27/00	1333	AQ	5	✓	✓	✓	✓				0.0	HCL/HNO_3/4°C 29-30970
.02	OCW6 MW02		1340		5	✓	✓	✓	✓				0.0	29-30971
.03	OCW6 MW03		1329		5	✓	✓	✓	✓				0.0	29-30972
.04	OCW6 MW34 *		1348		5	✓	✓	✓	✓				0.0	29-32599
.05	Field Blank		~~0738~~ CDM		5	✓	✓	✓	✓				—	
.06	Dupe		—		5	✓	✓	✓	✓				—	
	Depth to water only													
29-32600	OCW6 MW35	: 4.54' ft												
29-32601	OCW6 MW36	: 6.00' ft												
.07	Trip	3/27/00	0739	AQ	2	✓							—	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	3/27/00 1500	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 Trip/FB/Dup w/ 2000/2018/2067 of same thing
Tide: N/A
CPM

Coc.xls1/31/00

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW01
NJDEP ID #: 29-30970
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/27/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 35.06 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.28 ft
DEPTH OF WELL: 17.89 ft
DEPTH TO TOP OF SCREEN: 2.00 ft
HEIGHT OF WATER: 13.61 ft
(13.61) X .65 X 3 =26.53
GALLONS OF H2O TO BE PURGED: 27 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:40
pH 6.94 su — TEMP 13.4 °C
DISSOLVED O2 6.77 ppm — SPECIFIC CONDUCTIVITY 90 us/cm

PURGE END TIME: 13:32
pH 6.95 su — TEMP 13.3 °C
DISSOLVED O2 5.55 ppm — SPECIFIC CONDUCTIVITY 91 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 4.37 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 27 gal

SAMPLE START TIME: 13:33
pH 6.97 su — TEMP 13.3 °C
DISSOLVED O2 5.51 ppm — SPECIFIC CONDUCTIVITY 90 us/cm

SAMPLE END TIME: 13:39

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW02
NJDEP ID #: 29-30971
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/27/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 35.05 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.88 ft
DEPTH OF WELL: 16.80 ft
DEPTH TO TOP OF SCREEN: 2.00 ft
HEIGHT OF WATER: 12.92 ft
(12.92) X .65 X 3 =25.19
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: 11:47
pH 6.49 su — TEMP 13.4 °C
DISSOLVED O2 6.31 ppm — SPECIFIC CONDUCTIVITY 70 us/cm

PURGE END TIME: 13:35
pH 6.50 su — TEMP 13.3 °C
DISSOLVED O2 5.41 ppm — SPECIFIC CONDUCTIVITY 71 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 5.88 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 13:40
pH 6.50 su — TEMP 13.3 °C
DISSOLVED O2 5.37 ppm — SPECIFIC CONDUCTIVITY 72 us/cm

SAMPLE END TIME: 13:47

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW03
NJDEP ID #: 29-30972
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/27/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 36.34 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.73 ft
DEPTH OF WELL: 17.78 ft
DEPTH TO TOP OF SCREEN: 2.00 ft
HEIGHT OF WATER: 13.05 ft
(13.05) X .65 X 3 =25.44
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: 11:40
pH 7.02 su — TEMP 13.6 °C
DISSOLVED O2 6.71 ppm — SPECIFIC CONDUCTIVITY 60 us/cm

PURGE END TIME: 13:28
pH 7.04 su — TEMP 13.3 °C
DISSOLVED O2 5.41 ppm — SPECIFIC CONDUCTIVITY 63 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 4.77 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 13:29
pH 7.03 su — TEMP 13.3 °C
DISSOLVED O2 5.37 ppm — SPECIFIC CONDUCTIVITY 62 us/cm

SAMPLE END TIME: 13:32

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW34
NJDEP ID #: 29-32594
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/27/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 33.76 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.11 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: 4.50 ft
HEIGHT OF WATER: 12.79 ft
(12.79) X .65 X 3 =24.94
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: 11:50
pH 6.61 su — TEMP 13.5 °C
DISSOLVED O2 6.31 ppm — SPECIFIC CONDUCTIVITY 73 us/cm

PURGE END TIME: 13:38
pH 6.60 su — TEMP 13.3 °C
DISSOLVED O2 5.61 ppm — SPECIFIC CONDUCTIVITY 75 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 4.18 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 13:48
pH 6.59 su — TEMP 13.3 °C
DISSOLVED O2 5.55 ppm — SPECIFIC CONDUCTIVITY 76 us/cm

SAMPLE END TIME: 13:54

COMMENTS: DUP. Here.

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

MDL	: Method Detection Limit
J	: Compound Identified Below Detection Limit
B	: Compound 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	**VB006538.D**	Sample Name	**Vblk198**
Operator	**Skelton**	Field ID	**Vblk198**
Date Acquired	**31 Mar 2000 12:46 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	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. **Vblk198**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5291 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk198

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006538.D

Level: (low/med) LOW Date Received: 3/27/00

% Moisture: not dec. Date Analyzed: 3/31/00

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	**VB006561.D**	Sample Name	**5291.07**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**1 Apr 2000 4:09 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5291 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5291.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006561.D

Level: (low/med) LOW Date Received: 3/27/00

% Moisture: not dec. Date Analyzed: 4/1/00

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	**VB006559.D**	Sample Name	**5291.05**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**1 Apr 2000 2:51 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	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.: 5291 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5291.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006559.D

Level: (low/med) LOW Date Received: 3/27/00

% Moisture: not dec. Date Analyzed: 4/1/00

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	**VB006560.D**	Sample Name	**5291.06**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**1 Apr 2000 3:30 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.

Dupe

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5291 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5291.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006560.D

Level: (low/med) LOW Date Received: 3/27/00

% Moisture: not dec. Date Analyzed: 4/1/00

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	**VB006555.D**	Sample Name	**5291.01**
Operator	**Skelton**	Field ID	**0CW6MW01**
Date Acquired	**1 Apr 2000 12:12 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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. **0CW6MW01**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5291 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5291.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006555.D

Level: (low/med) LOW Date Received: 3/27/00

% Moisture: not dec. Date Analyzed: 4/1/00

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	**VB006556.D**	Sample Name	**5291.02**
Operator	**Skelton**	Field ID	**0CW6MW02**
Date Acquired	**1 Apr 2000 12:51 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	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. **0CW6MW02**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5291 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5291.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006556.D

Level: (low/med) LOW Date Received: 3/27/00

% Moisture: not dec. Date Analyzed: 4/1/00

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	**VB006557.D**	Sample Name	**5291.03**
Operator	**Skelton**	Field ID	**0CW6MW03**
Date Acquired	**1 Apr 2000 1:31 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.

0CW6MW03

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5291 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5291.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006557.D

Level: (low/med) LOW Date Received: 3/27/00

% Moisture: not dec. Date Analyzed: 4/1/00

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	VB006558.D	Sample Name	5291.04
Operator	Skelton	Field ID	0CW6MW34
Date Acquired	1 Apr 2000 2:11 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.

0CW6MW34

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5291 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5291.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB006558.D

Level: (low/med) LOW Date Received: 3/27/00

% Moisture: not dec. Date Analyzed: 4/1/00

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	**BNA03806.D**	Sample Name	**Sblk359**
Operator	**Bhaskar**	Misc Info	**Sblk359**
Date Acquired	**4-Apr-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	**BNA03806.D**	Sample Name	**Sblk359**
Operator	**Bhaskar**	Misc Info	**Sblk359**
Date Acquired	**4-Apr-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: **Sblk359**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 5291 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Sblk359

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03806.D

Level: (low/med) LOW Date Received: 3/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 3/30/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/4/00

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	**BNA03812.D**	Sample Name	**5291.05**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**4-Apr-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	**BNA03812.D**	Sample Name	**5291.05**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**4-Apr-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 5291 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5291.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03812.D

Level: (low/med) LOW Date Received: 3/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 3/30/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/4/00

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	7.01	9	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03813.D**	Sample Name	**5291.06**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**4-Apr-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	**BNA03813.D**	Sample Name	**5291.06**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**4-Apr-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 5291 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5291.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03813.D

Level: (low/med) LOW Date Received: 3/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 3/30/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/4/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.02	9	J
2. 007225-64-1	Heptadecane, 9-octyl-	28.73	4	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03808.D**	Sample Name	**5291.01**
Operator	**Bhaskar**	Misc Info	**0CW6MW01**
Date Acquired	**4-Apr-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	**BNA03808.D**	Sample Name	**5291.01**
Operator	**Bhaskar**	Misc Info	**0CW6MW01**
Date Acquired	**4-Apr-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: **0CW6MW01**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 5291 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5291.01

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03808.D

Level: (low/med) LOW Date Received: 3/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 3/30/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/4/00

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. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.01	7	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03809.D**	Sample Name	**5291.02**
Operator	**Bhaskar**	Misc Info	**0CW6MW02**
Date Acquired	**4-Apr-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	

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Data File Name	**BNA03809.D**	Sample Name	**5291.02**
Operator	**Bhaskar**	Misc Info	**0CW6MW02**
Date Acquired	**4-Apr-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: **0CW6MW02**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 5291 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5291.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03809.D

Level: (low/med) LOW Date Received: 3/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 3/30/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/4/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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	7.01	8	J
2. 000096-76-4	Phenol, 2,4-bis(1,1-dimethylethyl)	17.85	6	JN
3. 000057-10-3	Hexadecanoic acid	22.21	8	JN
4. 000057-11-4	Octadecanoic acid	23.82	8	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BNA03810.D	Sample Name	5291.03
Operator	Bhaskar	Misc Info	0CW6MW03
Date Acquired	4-Apr-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	**BNA03810.D**	Sample Name	**5291.03**
Operator	**Bhaskar**	Misc Info	**0CW6MW03**
Date Acquired	**4-Apr-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: **0CW6MW03**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 5291 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5291.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03810.D

Level: (low/med) LOW Date Received: 3/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 3/30/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/4/00

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	7.01	8	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA03811.D**	Sample Name	**5291.04**
Operator	**Bhaskar**	Misc Info	**0CW6MW34**
Date Acquired	**4-Apr-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	BNA03811.D	Sample Name	5291.04
Operator	Bhaskar	Misc Info	0CW6MW34
Date Acquired	4-Apr-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: **0CW6MW34**

Lab Name: FMETL Lab Code 13461

Project LTM Case No.: 5291 Location CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5291.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA03811.D

Level: (low/med) LOW Date Received: 3/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 3/30/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/4/00

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	7.01	10	J

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

Client :	U.S. Army	**Lab. ID # :**	PBLK500
	DPW, SELFM-PW-EV	**Date Rec'd:**	NA
	Bldg. 173	**Extraction Date:**	3/30/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/27/00
Analysis:	EPA Method 608	**Location :**	NA
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	NA
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 Aldehyde	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
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 # :**	5291.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/27/00
	Bldg. 173	**Extraction Date:**	3/30/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/27/00
Analysis:	EPA Method 608	**Location :**	CW6 MWs
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	FIELD BLANK
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0030	ND
beta-BHC	1		0.20	0.0024	ND
gamma-BHC	1		0.20	0.0015	ND
delta-BHC	1		NLE	0.0019	ND
Heptachlor	1		0.40	0.0020	ND
Aldrin	1		0.04	0.0010	ND
Heptachlor Epoxide	1		0.20	0.0009	ND
Endosulfan I	1		0.40	0.0057	ND
4,4'-DDE	1		0.10	0.0009	ND
Dieldrin	1		0.03	0.0016	ND
Endrin	1		2.00	0.0020	ND
Endrin Aldehyde	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
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 # :**	5291.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/27/00
	Bldg. 173	**Extraction Date:**	3/30/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/27/00
Analysis:	EPA Method 608	**Location :**	CW6 MWs
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	DUPLICATE
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 Aldehyde	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	
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 # :**	5291.01
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/27/00
	Bldg. 173	**Extraction Date:**	3/30/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/27/00
Analysis:	EPA Method 608	**Location :**	CW6 MW
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW01
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	14.83	0.20	0.0009	**0.027**
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 Aldehyde	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0033	**ND**
4,4'-DDD	1	15.13	0.10	0.0022	**0.014**
4,4'-DDT	1		0.10	0.0013	**ND**
Endosulfan-Sulfate	1		0.40	0.0027	**ND**
Alpha-chlordane	1	16.15	0.50	0.0011	**0.038**
Gamma-chlordane	1	14.99	0.50	0.0009	**0.046**
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 # :**	5291.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/27/00
	Bldg. 173	**Extraction Date:**	3/30/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/27/00
Analysis:	EPA Method 608	**Location :**	CW6 MWs
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	OCW6 MW02
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 Aldehyde	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**
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 # :**	5291.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/27/00
	Bldg. 173	**Extraction Date:**	3/30/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/27/00
Analysis:	EPA Method 608	**Location :**	CW6 MWs
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	OCW6 MW03
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 Aldehyde	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
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 # :**	5291.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	3/27/00
	Bldg. 173	**Extraction Date:**	3/30/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	4/27/00
Analysis:	EPA Method 608	**Location :**	CW6 MWs
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	OCW6 MW34
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 Aldehyde	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
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 #: 5291
Sample Prepared: 04/05/00

Site: CW-6
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	04/06/00	50.3	200	10.0
Antimony	04/06/00	ND	20	2.0
Arsenic	04/06/00	ND	8	2.0
Barium	04/06/00	1.79	2000	0.5
Beryllium	04/06/00	ND	20	0.5
Cadmium	04/06/00	ND	4	0.5
Calcium	04/06/00	135	NLE	20.0
Chromium	04/06/00	1.12	100	0.5
Cobalt	04/06/00	ND	NLE	0.5
Copper	04/06/00	ND	1000	3.0
Iron	04/06/00	22.6	300	10.0
Lead	04/06/00	ND	10	2.0
Magnesium	04/06/00	36.4	NLE	20.0
Manganese	04/06/00	ND	50	0.5
Mercury	04/05/00	ND	2	0.1
Nickel	04/06/00	1.49	100	0.5
Potassium	04/06/00	152	NLE	20.0
Selenium	04/06/00	ND	50	3.0
Silver	04/06/00	ND	20	3.0
Sodium	04/06/00	281	50000	20.0
Thallium	04/06/00	ND	10	3.0
Vanadium	04/06/00	ND	NLE	1.0
Zinc	04/06/00	5.26	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 #: 5291.05
Sample Received: 03/27/00
Sample Matrix: Aqueous

Site: CW-6
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	04/06/00	ND	200	10.0
Antimony	04/06/00	ND	20	2.0
Arsenic	04/06/00	3.69	8	2.0
Barium	04/06/00	ND	2000	0.5
Beryllium	04/06/00	ND	20	0.5
Cadmium	04/06/00	ND	4	0.5
Calcium	04/06/00	28.6	NLE	20.0
Chromium	04/06/00	ND	100	0.5
Cobalt	04/06/00	ND	NLE	0.5
Copper	04/06/00	ND	1000	3.0
Iron	04/06/00	ND	300	10.0
Lead	04/06/00	ND	10	2.0
Magnesium	04/06/00	ND	NLE	20.0
Manganese	04/06/00	ND	50	0.5
Mercury	04/05/00	ND	2	0.1
Nickel	04/06/00	ND	100	0.5
Potassium	04/06/00	26.3	NLE	20.0
Selenium	04/06/00	ND	50	3.0
Silver	04/06/00	ND	20	3.0
Sodium	04/06/00	130	50000	20.0
Thallium	04/06/00	ND	10	3.0
Vanadium	04/06/00	ND	NLE	1.0
Zinc	04/06/00	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 #: 5291.06
Sample Received: 03/27/00
Sample Matrix: Aqueous

Site: CW-6
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	04/06/00	294	200	10.0
Antimony	04/06/00	ND	20	2.0
Arsenic	04/06/00	ND	8	2.0
Barium	04/06/00	41.9	2000	0.5
Beryllium	04/06/00	ND	20	0.5
Cadmium	04/06/00	0.621	4	0.5
Calcium	04/06/00	10300	NLE	20.0
Chromium	04/06/00	ND	100	0.5
Cobalt	04/06/00	1.08	NLE	0.5
Copper	04/06/00	ND	1000	3.0
Iron	04/06/00	2980	300	10.0
Lead	04/06/00	ND	10	2.0
Magnesium	04/06/00	2200	NLE	20.0
Manganese	04/06/00	34.2	50	0.5
Mercury	04/05/00	0.1	2	0.1
Nickel	04/06/00	3.96	100	0.5
Potassium	04/06/00	3110	NLE	20.0
Selenium	04/06/00	ND	50	3.0
Silver	04/06/00	ND	20	3.0
Sodium	04/06/00	12000	50000	20.0
Thallium	04/06/00	ND	10	3.0
Vanadium	04/06/00	1.50	NLE	1.0
Zinc	04/06/00	150	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 #: 5291.01
Sample Received: 03/27/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW01

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	04/06/00	116	200	10.0
Antimony	04/06/00	ND	20	2.0
Arsenic	04/06/00	ND	8	2.0
Barium	04/06/00	11.0	2000	0.5
Beryllium	04/06/00	ND	20	0.5
Cadmium	04/06/00	ND	4	0.5
Calcium	04/06/00	25100	NLE	20.0
Chromium	04/06/00	2.85	100	0.5
Cobalt	04/06/00	ND	NLE	0.5
Copper	04/06/00	6.93	1000	3.0
Iron	04/06/00	2270	300	10.0
Lead	04/06/00	ND	10	2.0
Magnesium	04/06/00	5680	NLE	20.0
Manganese	04/06/00	178	50	0.5
Mercury	04/05/00	ND	2	0.1
Nickel	04/06/00	3.60	100	0.5
Potassium	04/06/00	1550	NLE	20.0
Selenium	04/06/00	ND	50	3.0
Silver	04/06/00	ND	20	3.0
Sodium	04/06/00	10600	50000	20.0
Thallium	04/06/00	ND	10	3.0
Vanadium	04/06/00	3.56	NLE	1.0
Zinc	04/06/00	15.6	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 #: 5291.02
Sample Received: 03/27/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW02

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	04/06/00	87700	200	10.0
Antimony	04/06/00	ND	20	2.0
Arsenic	04/06/00	ND	8	2.0
Barium	04/06/00	143	2000	0.5
Beryllium	04/06/00	1.96	20	0.5
Cadmium	04/06/00	0.943	4	0.5
Calcium	04/06/00	9390	NLE	20.0
Chromium	04/06/00	11.7	100	0.5
Cobalt	04/06/00	5.34	NLE	0.5
Copper	04/06/00	ND	1000	3.0
Iron	04/06/00	28600	300	10.0
Lead	04/06/00	14.9	10	2.0
Magnesium	04/06/00	14700	NLE	20.0
Manganese	04/06/00	89.0	50	0.5
Mercury	04/05/00	ND	2	0.1
Nickel	04/06/00	5.41	100	0.5
Potassium	04/06/00	2260	NLE	20.0
Selenium	04/06/00	ND	50	3.0
Silver	04/06/00	ND	20	3.0
Sodium	04/06/00	32900	50000	20.0
Thallium	04/06/00	ND	10	3.0
Vanadium	04/06/00	19.6	NLE	1.0
Zinc	04/06/00	78.6	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 #: 5291.03
Sample Received: 03/27/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW03

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	04/06/00	673	200	10.0
Antimony	04/06/00	9.54	20	2.0
Arsenic	04/06/00	5.04	8	2.0
Barium	04/06/00	27.4	2000	0.5
Beryllium	04/06/00	ND	20	0.5
Cadmium	04/06/00	3.51	4	0.5
Calcium	04/06/00	15100	NLE	20.0
Chromium	04/06/00	ND	100	0.5
Cobalt	04/06/00	105	NLE	0.5
Copper	04/06/00	5.77	1000	3.0
Iron	04/06/00	2360	300	10.0
Lead	04/06/00	ND	10	2.0
Magnesium	04/06/00	29000	NLE	20.0
Manganese	04/06/00	406	50	0.5
Mercury	04/05/00	ND	2	0.1
Nickel	04/06/00	53500	100	0.5
Potassium	04/06/00	534	NLE	20.0
Selenium	04/06/00	ND	50	3.0
Silver	04/06/00	ND	20	3.0
Sodium	04/06/00	10800	50000	20.0
Thallium	04/06/00	ND	10	3.0
Vanadium	04/06/00	6.83	NLE	1.0
Zinc	04/06/00	10.3	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 #: 5291.04
Sample Received: 03/27/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	04/06/00	285	200	10.0
Antimony	04/06/00	ND	20	2.0
Arsenic	04/06/00	ND	8	2.0
Barium	04/06/00	42.0	2000	0.5
Beryllium	04/06/00	ND	20	0.5
Cadmium	04/06/00	0.571	4	0.5
Calcium	04/06/00	10400	NLE	20.0
Chromium	04/06/00	ND	100	0.5
Cobalt	04/06/00	1.14	NLE	0.5
Copper	04/06/00	ND	1000	3.0
Iron	04/06/00	2920	300	10.0
Lead	04/06/00	ND	10	2.0
Magnesium	04/06/00	2200	NLE	20.0
Manganese	04/06/00	34.1	50	0.5
Mercury	04/05/00	ND	2	0.1
Nickel	04/06/00	37.0	100	0.5
Potassium	04/06/00	3140	NLE	20.0
Selenium	04/06/00	ND	50	3.0
Silver	04/06/00	ND	20	3.0
Sodium	04/06/00	12100	50000	20.0
Thallium	04/06/00	ND	10	3.0
Vanadium	04/06/00	1.87	NLE	1.0
Zinc	04/06/00	135	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	Di-n-butyl phthalate	bis(2-Ethylhexyl) phthalate	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Iron	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	900	30	0.2	0.1	0.5	0.5	200	8	300	-
04/30/1997	FMETL	ND	ND	0.029	0.026	0.057	0.038	290	2	1880	V,S,P,M
09/02/1997	FMETL	ND	ND	0.035	0.027	0.096	0.054	361	4.0	790	V,S,P,M
12/01/1997	FMETL	1.88	ND	0.024	0.023	0.057	0.025	303	ND	468	V,S.P.M
03/05/1998	FMETL	ND	1.16	0.026	0.014	0.031	0.025	374	ND	1953	V,S,P,M
06/15/1998	FMETL	ND	ND	0.020	ND	0.054	0.031	541	5.1	2414	V,S,P,M
09/22/1998	FMETL	ND	ND	ND	ND	ND	ND	77700	88	112000	V,S.P,M
12/04/1998	FMETL	ND	ND	ND	0.024	0.050	0.021	237	10.8	2190	V,S,P,M
02/17/1999	FMETL	ND	ND	0.028	0.013	0.062	0.030	91.2	ND	1140	V,S,P,M
06/18/1999	FMETL	ND	ND	ND	ND	ND	ND	638	4.74	1930	V,S,P,M
08/10/1999	FMETL	ND	ND	ND	ND	0.021	0.031	661	8.87	4760	V,S,P,M
11/15/1999	FMETL	ND	ND	0.271	ND	0.284	0.307	590	2.33	1190	V,S,P,M
03/27/2000	FMETL	ND	ND	0.027	0.014	0.038	0.046	116	ND	2270	V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 03/27/2000

NOTES:

Page 1 of 2.

FORT MONMOUTH

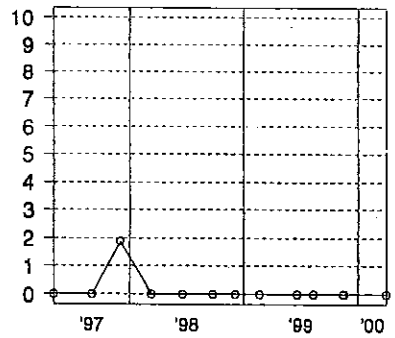
GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4

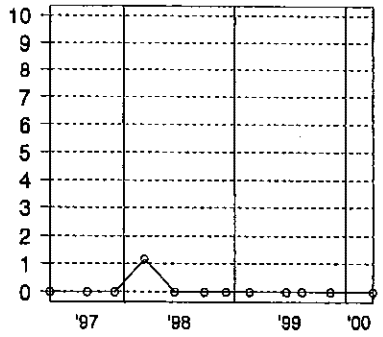


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FORT MONMOUTH
SELFM-PW-EV

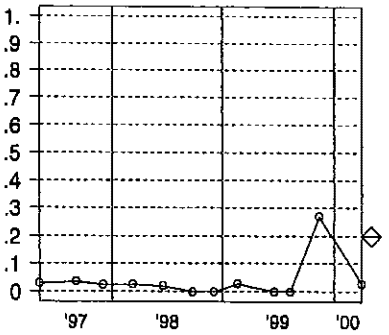
Di-n-butylphthalate (ug/l)



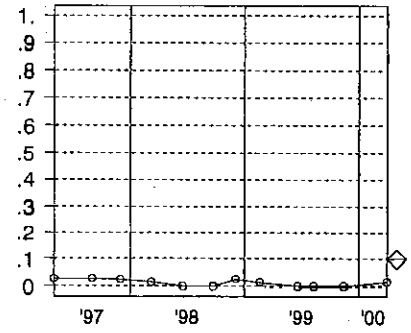
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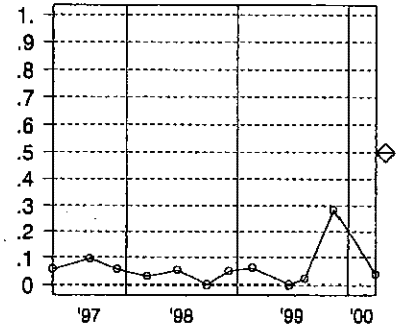
Heptachlor Epoxide (ug/l)



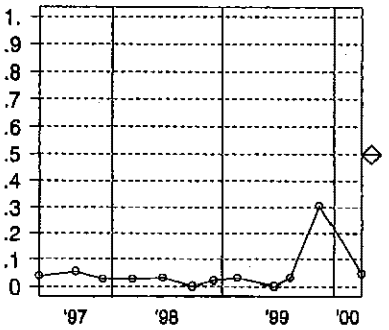
4,4'DDD (ug/l)



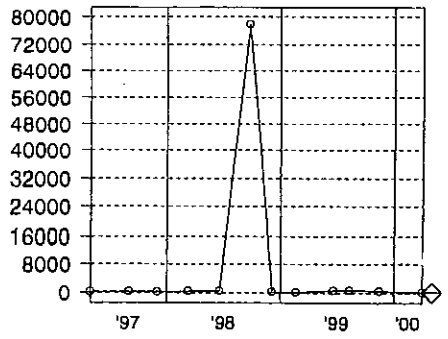
Alpha-chlordane (ug/l)



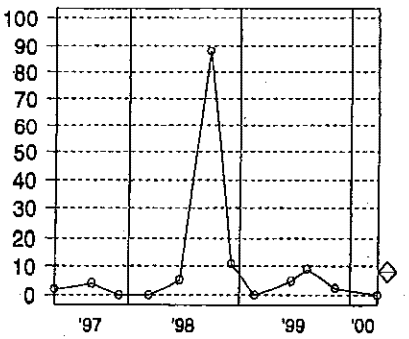
Gamma-chlordane (ug/l)



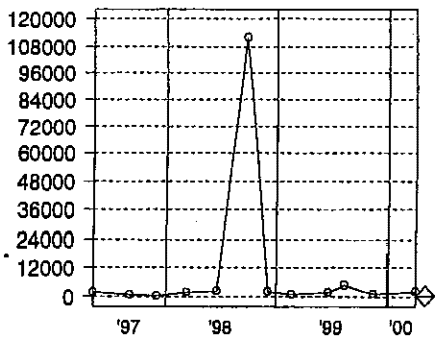
Aluminum (ug/l)



Arsenic (ug/l)



Iron (ug/l)



SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 03/27/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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FORT MONMOUTH
SELFM-PW-EV

05-02-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Silver	Sodium	Depth to Water							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	20	50000	-							-
04/30/1997	FMETL	21	24000	3.60							V,S,P,M
09/02/1997	FMETL	6.0	23730	4.80							V,S,P,M
12/01/1997	FMETL	ND	17300	4.20							V,S.P.M
03/05/1998	FMETL	ND	18070	3.38							V,S,P,M
06/15/1998	FMETL	ND	20990	3.47							V,S,P,M
09/22/1998	FMETL	ND	107000	6.21							V,S.P,M
12/04/1998	FMETL	ND	20200	8.25							V,S,P,M
02/17/1999	FMETL	ND	28600	4.24							V,S,P,M
06/18/1999	FMETL	ND	21900	5.93							V,S,P,M
08/10/1999	FMETL	37.9	17800	7.36							V,S,P,M
11/15/1999	FMETL	ND	19300	5.06							V,S,P,M
03/27/2000	FMETL	ND	10600	4.28							V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 03/27/2000

NOTES:

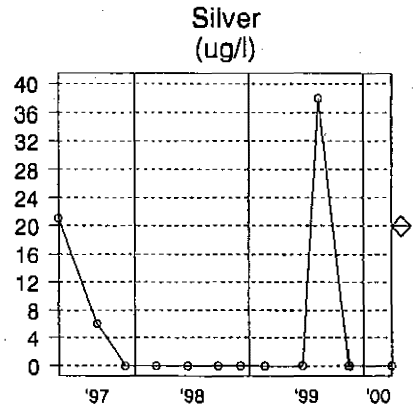
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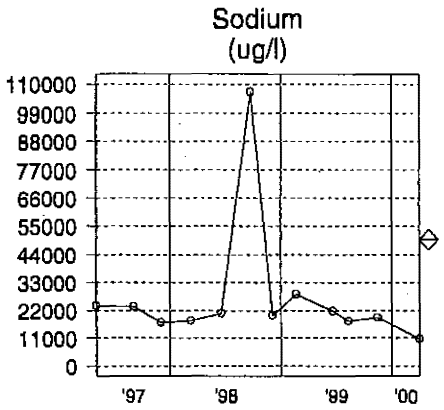
FORT MONMOUTH

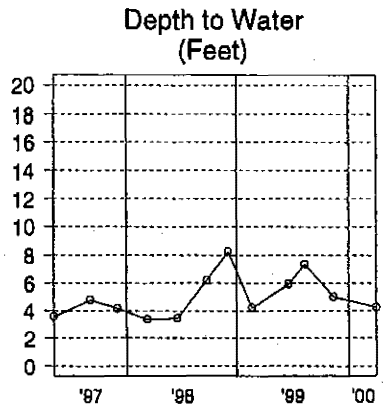
GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4

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







SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 03/27/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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

05-02-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Di-n-butyl phthalate	bis(2-Ethylhexyl) phthalate	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Iron	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	900	30	0.2	0.1	0.5	0.5	200	8	300	-
04/30/1997	FMETL	81	5	ND	ND	ND	ND	260	22	76000	V,S,P,M
08/29/1997	FMETL	ND	ND	ND	ND	ND	ND	2600	6	7140	V,S,P,M
12/01/1997	FMETL	1.12	ND	ND	ND	ND	ND	10060	7	9940	V,S,P,M
03/05/1998	FMETL	ND	ND	ND	ND	ND	ND	28570	17.9	21390	V,S,P,M
06/15/1998	FMETL	ND	ND	ND	ND	ND	ND	37960	48.1	41540	V,S,P,M
09/22/1998	FMETL	ND	ND	0.023	0.026	0.056	0.033	630	13	5450	V,S,P,M
12/04/1998	FMETL	ND	ND	ND	ND	ND	ND	5040	ND	3500	V,S,P,M
02/17/1999	FMETL	ND	1.53	ND	ND	ND	ND	26000	7.88	17700	V,S,P,M
06/18/1999	FMETL	ND	2.00	ND	ND	ND	ND	24700	2.94	9570	V,S,P,M
08/10/1999	FMETL	ND	ND	ND	ND	ND	ND	3610	ND	2930	V,S,P,M
11/15/1999	FMETL	ND	ND	ND	ND	ND	ND	15700	2.28	8610	V,S,P,M
03/27/2000	FMETL	ND	ND	ND	ND	ND	ND	87700	ND	28600	V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 03/27/2000

NOTES:

Page 1 of 2.

FORT MONMOUTH

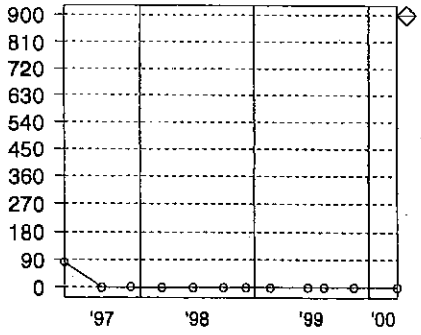
GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4

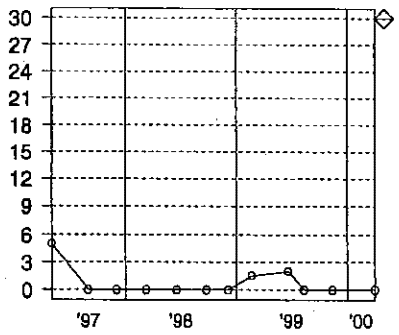


U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

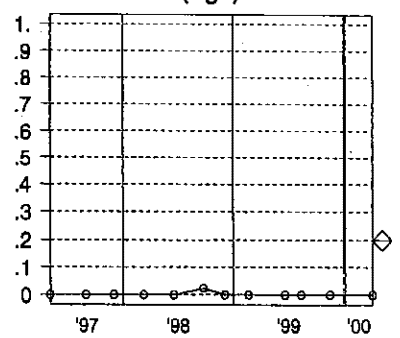
Di-n-butylphthalate
(ug/l)



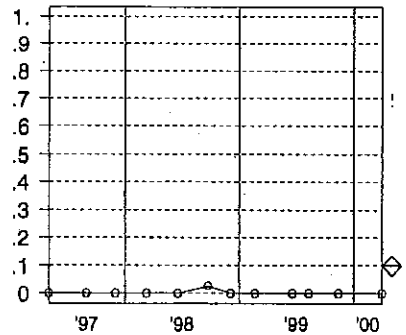
bis(2-ethylhexyl)phthalate
(ug/l)



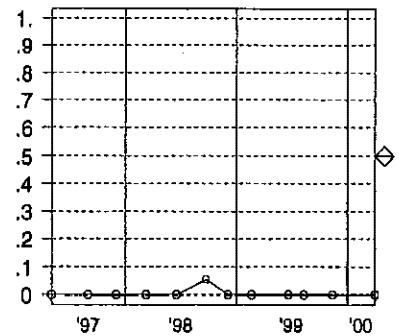
Heptachlor Epoxide
(ug/l)



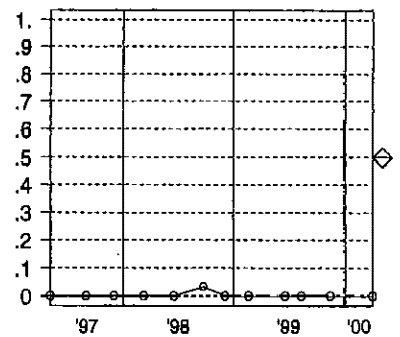
4,4'DDD
(ug/l)



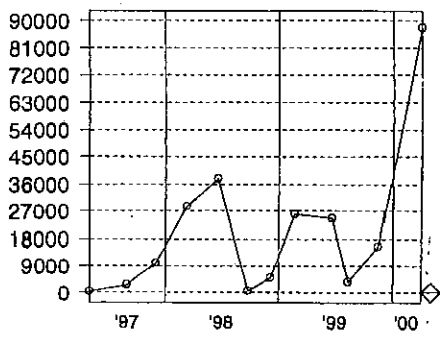
Alpha-chlordane
(ug/l)



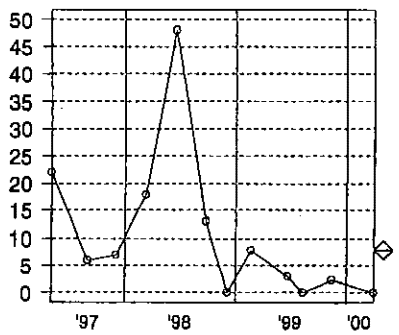
Gamma-chlordane
(ug/l)



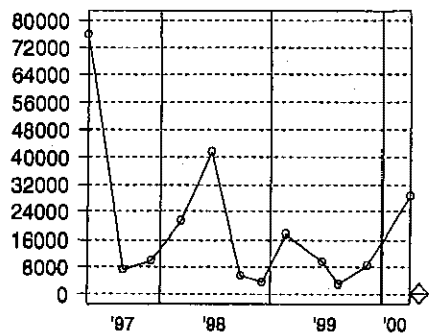
Aluminum
(ug/l)



Arsenic
(ug/l)



Iron
(ug/l)



SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 03/27/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4, Graph

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

05-02-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Silver	Sodium	Depth to Water							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	20	50000	-							-
04/30/1997	FMETL	89	104500	3.03							V,S,P,M
08/29/1997	FMETL	ND	48940	5.80							V,S,P,M
12/01/1997	FMETL	ND	21000	4.10							V,S,P,M
03/05/1998	FMETL	ND	30750	2.81							V,S,P,M
06/15/1998	FMETL	ND	46240	3.06							V,S,P,M
09/22/1998	FMETL	ND	22200	6.22							V,S,P,M
12/04/1998	FMETL	ND	27700	6.51							V,S,P,M
02/17/1999	FMETL	ND	57100	4.11							V,S,P,M
06/18/1999	FMETL	ND	54500	5.93							V,S,P,M
08/10/1999	FMETL	ND	32100	7.04							V,S,P,M
11/15/1999	FMETL	ND	32700	5.00							V,S,P,M
03/27/2000	FMETL	ND	32900	3.88							V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 03/27/2000

NOTES:

Page 2 of 2.

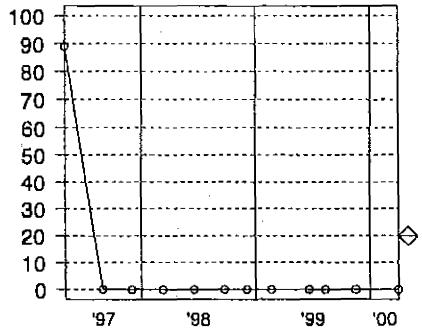
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

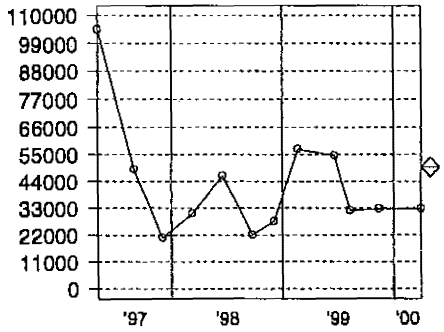
Well 2 of 4

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

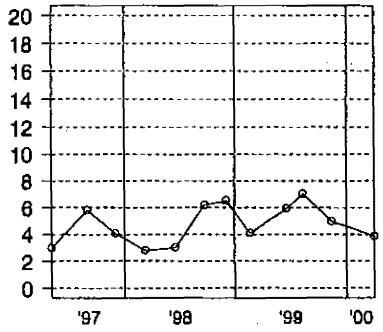
Silver
(ug/l)



Sodium
(ug/l)



Depth to Water
(Feet)



SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 03/27/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4, Graph

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

05-02-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Di-n-butyl phthalate	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	900	200	8	300	20	50000	-			-
04/30/1997	FMETL	ND	124	1.0	595	19	11000	3.90			V,S,P,M
08/29/1997	FMETL	ND	292	ND	2490	ND	7090	6.50			V,S,P,M
12/01/1997	FMETL	1.48	293	ND	538	ND	11830	4.80			V,S,P,M
03/05/1998	FMETL	ND	506	ND	848	ND	10780	3.32			V,S,P,M
06/15/1998	FMETL	ND	335	ND	1165	ND	10860	3.98			V,S,P,M
09/22/1998	FMETL	ND	934	ND	3600	ND	7320	7.15			V,S,P,M
12/04/1998	FMETL	ND	425	ND	781	ND	8720	7.37			V,S,P,M
02/17/1999	FMETL	ND	1050	ND	1110	ND	14300	4.73			V,S,P,M
06/18/1999	FMETL	ND	950	ND	542	ND	11600	6.72			V,S,P,M
08/10/1999	FMETL	ND	345	ND	451	ND	15100	7.75			V,S,P,M
11/15/1999	FMETL	ND	408	ND	604	ND	12400	5.93			V,S,P,M
03/27/2000	FMETL	ND	673	5.04	2360	ND	10800	4.73			V,S,P,M

SOURCE: 0CW6MW03

Sampling Dates:
04/30/1997 - 03/27/2000

NOTES:

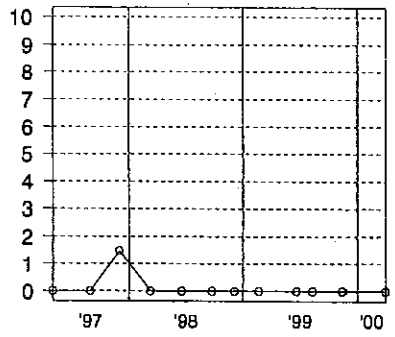
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

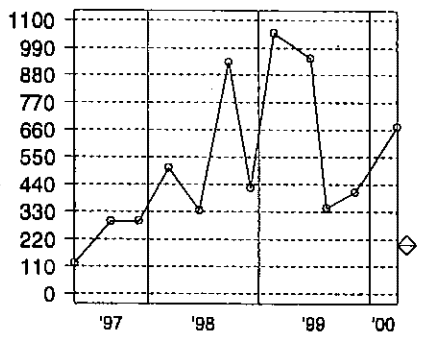
Well 3 of 4

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

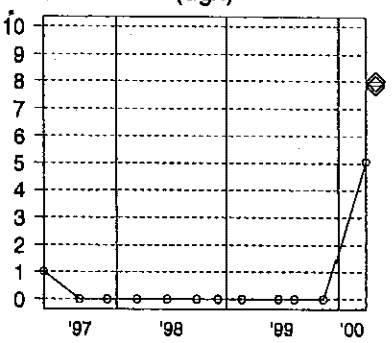
Di-n-butylphthalate (ug/l)



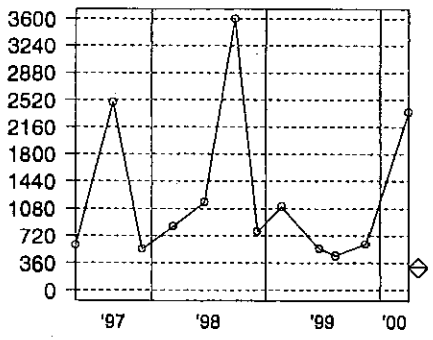
Aluminum (ug/l)



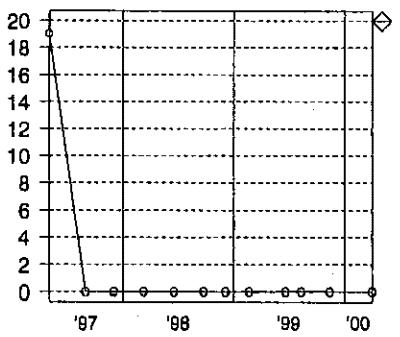
Arsenic (ug/l)



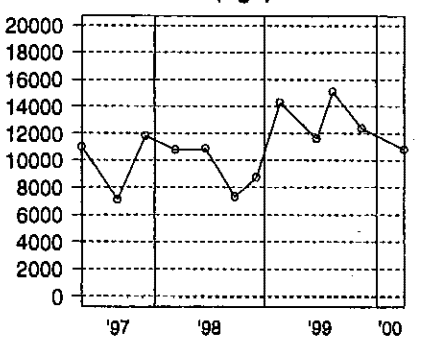
Iron (ug/l)



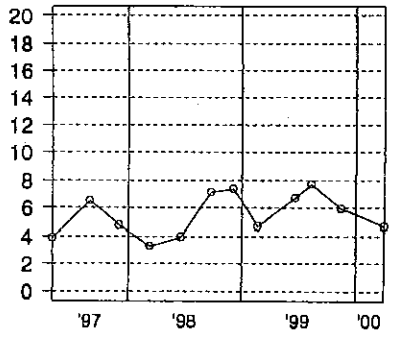
Silver (ug/l)



Sodium (ug/l)



Depth to Water (Feet)



SOURCE: 0CW6MW03

Sampling Dates:
04/30/1997 - 03/27/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 3 of 4, Graph

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

05-02-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	8	300	20	50000	-				-
04/30/1997	FMETL	48	2.0	2100	18	15500	3.75				V,S,P,M
09/02/1997	FMETL	120	1.0	1380	13	16570	4.90				V,S,P,M
12/01/1997	FMETL	348	ND	652	ND	15500	4.25				V,S,P,M
03/05/1998	FMETL	385	ND	2212	ND	15940	3.78				V,S,P,M
06/15/1998	FMETL	204	ND	2624	ND	15380	5.54				V,S,P,M
09/22/1998	FMETL	360	6	9030	ND	16300	6.31				V,S,P,M
12/04/1998	FMETL	434	ND	2280	ND	14400	6.01				V,S,P,M
02/17/1999	FMETL	345	ND	2640	ND	18800	4.23				V,S,P,M
06/18/1999	FMETL	419	2.71	5350	ND	19400	6.28				V,S,P,M
08/10/1999	FMETL	522	2.89	4940	ND	20600	7.12				V,S,P,M
11/15/1999	FMETL	215	ND	1390	ND	19400	4.91				V,S,P,M
03/27/2000	FMETL	285	ND	2920	ND	12100	4.11				V,S,P,M
03/27/2000D	FMETL	294	ND	2980	ND	12000	4.11				V,S,P,M

SOURCE: 0CW6MW34

Sampling Dates:
04/30/1997 - 03/27/2000

NOTES:

Page 1 of 1

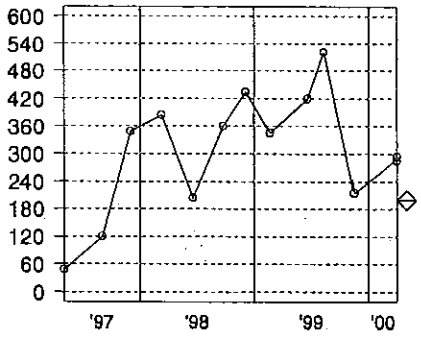
FORT MONMOUTH

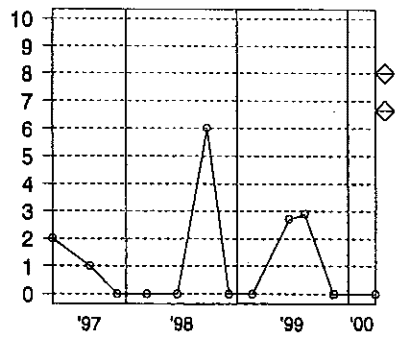
GW MONITORING
CW-6 Bldg. 2044

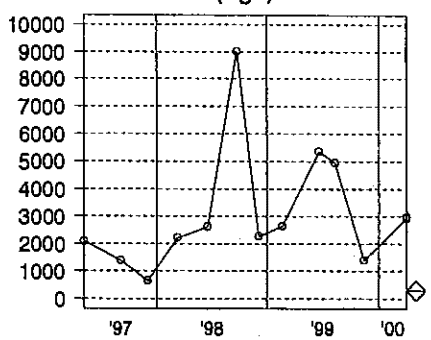
Well 4 of 4

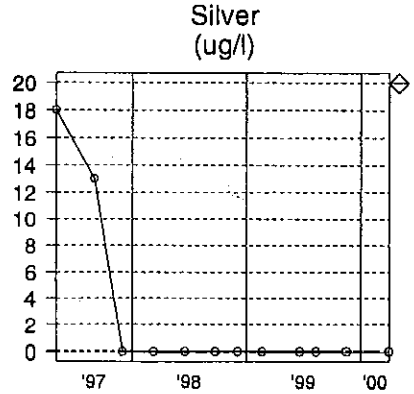
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

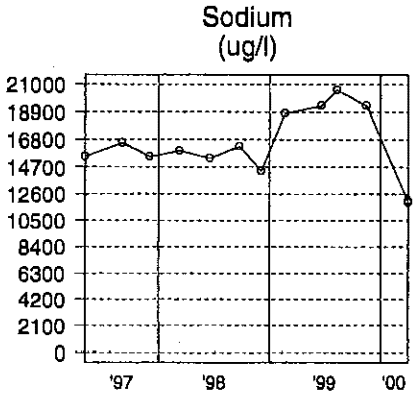
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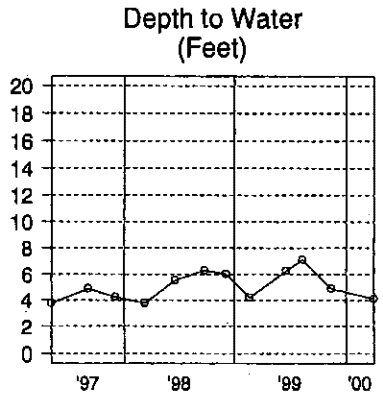












SOURCE: 0CW6MW34

Sampling Dates:
04/30/1997 - 03/27/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

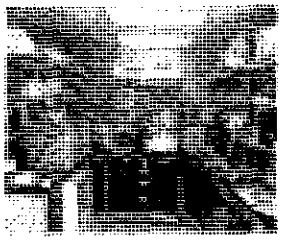
Well 4 of 4, Graph

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

05-02-2000 x:\mtech46\fm\2044a\gw\2044.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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5480.04	0CW6MW01	29-30970	06/15/00
5480.05	0CW6MW02	29-30971	06/15/00
5480.06	0CW6MW03	29-30972	06/15/00
5480.07	0CW6MW34	29-32599	06/15/00

NJDEP Laboratory Certification # 13461

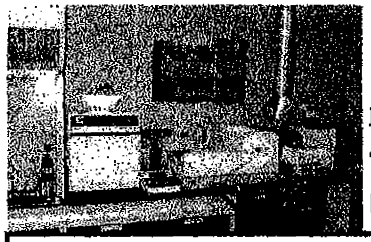
7-12-00

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:

Phone #:

( )DERA ( )OMA ( )Other:_____

Project No:

Location: CW6 (2044) wells 2nd Qtr '00

Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VO +15	TAL MTLS	Pest/PCB	BNA +25				Hex Read	Remarks / Preservation Method
5480 .01	Trip	6/15/00	0745	AQ	2	✓							—	
.02	Field Blank		0945		5	✓	✓	✓	✓				—	
.03	Dupe		—		5	✓	✓	✓	✓				—	
.04	OCW6MW01		1000		5	✓	✓	✓	✓				0.0	29-30970
.05	OCW6MW02		1005		5	✓	✓	✓	✓				0.0	29-30971
.06	OCW6MW03		0954		5	✓	✓	✓	✓				0.0	29-30972
.07	OCW6MW34	↓	0950	↓	5	✓	✓	✓	✓				0.0	29-32599
DTW:														
OCW6MW35:	4.98 ft.													
OCW6MW36:	5.11 ft.													

Comments: HCL/HNO_3/<4°C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	6/15/00	KBBerlich			
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: Shows Trip/FB/Dup w/ 2000, 2018, 2067 of same date. CPR

Tide: N/A

print legibly

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW01
NJDEP ID #: 29-30970
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/15/00
WEATHER: Overcast, and rainy
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.84 ft
DEPTH OF WELL: 17.89 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 13.05 ft
(13.05) X .65 X 3 =25.44
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: 08:11
pH 6.91 su
DISSOLVED O2 6.11 ppm
TEMP 13.3 °C
SPECIFIC CONDUCTIVITY 93 us/cm

PURGE END TIME: 09:59
pH 6.94 su
DISSOLVED O2 5.45 ppm
TEMP 13.1 °C
SPECIFIC CONDUCTIVITY 91 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 4.85 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME: 10:00
pH 6.93 su
DISSOLVED O2 5.33 ppm
TEMP 13.2 °C
SPECIFIC CONDUCTIVITY 92 us/cm

SAMPLE END TIME: 10:04

COMMENTS: Very low drawdown.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW02
NJDEP ID #: 29-30970
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/15/00
WEATHER: Overcast, and rainy
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.68 ft
DEPTH OF WELL: 16.80 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 12.12 ft
(12.12) X .65 X 3 =23.63
GALLONS OF H2O TO BE PURGED: 24 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hmu READING: 0.0 ppm

PURGE START TIME: 08:20
pH 6.53 su TEMP 13.2 °C
DISSOLVED O2 6.21 ppm SPECIFIC CONDUCTIVITY 69 us/cm

PURGE END TIME: 10:04
pH 6.50 su TEMP 13.1 °C
DISSOLVED O2 5.57 ppm SPECIFIC CONDUCTIVITY 71 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.49 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 24 gal

SAMPLE START TIME: 10:05
pH 6.49 su TEMP 13.2 °C
DISSOLVED O2 5.53 ppm SPECIFIC CONDUCTIVITY 72 us/cm

SAMPLE END TIME: 10:09

COMMENTS: Very cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW03
NJDEP ID #: 29-30972
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/15/00
WEATHER: Overcast, and rainy
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.47 ft
DEPTH OF WELL: 17.78 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 11.31 ft
(11.31) X .65 X 3 =22.05
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:15
pH 6.57 su — TEMP 13.4 °C
DISSOLVED O2 6.11 ppm — SPECIFIC CONDUCTIVITY 67 us/cm

PURGE END TIME: 09:50
pH 6.51 su — TEMP 13.2 °C
DISSOLVED O2 5.31 ppm — SPECIFIC CONDUCTIVITY 61 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.84 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 09:54
pH 6.50 su — TEMP 13.2 °C
DISSOLVED O2 5.27 ppm — SPECIFIC CONDUCTIVITY 63 us/cm

SAMPLE END TIME: 09:56

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW34
NJDEP ID #: 29-32599
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/15/00
WEATHER: Overcast, and rainy
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.80 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 12.10 ft
(12.10) X .65 X 3 =23.59
GALLONS OF H2O TO BE PURGED: 24 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:05
pH >.04 su — TEMP 13.5 °C
DISSOLVED O2 6.31 ppm — SPECIFIC CONDUCTIVITY 63 us/cm

PURGE END TIME: 09:49
PH>.01 su — TEMP 13.2 °C
DISSOLVED O2 5.51 ppm — SPECIFIC CONDUCTIVITY 64 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 5.27 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 24 gal

SAMPLE START TIME: 09:50
PH>.02 su — TEMP 13.3 °C
DISSOLVED O2 5.47 ppm — SPECIFIC CONDUCTIVITY 62 us/cm

SAMPLE END TIME: 09:53

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW35
NJDEP ID #: 29-32600
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/15/00
WEATHER: Overcast, and rainy
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.98 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =
GALLONS OF H2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
PH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

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

SAMPLE START TIME:
PH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW36
NJDEP ID #: 29-32601
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/15/00
WEATHER: Overcast, and rainy
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.11 ft
DEPTH OF WELL: 16.65 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =
GALLONS OF H2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
PH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

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

SAMPLE START TIME:
PH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS:

VOLATILES

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

MDL	: Method Detection Limit
J	: Compound Identified Below Detection Limit
B	: Compound is in Both Sample and Blank
D	: Results are from a Dilution of the Sample
U	: Compound Searched for but not Detected
E	: Compound Exceeds Calibration Limit

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

Data File	VB007271.D	Sample Name	Vblk222
Operator	Skelton	Field ID	Vblk222
Date Acquired	16 Jun 2000 2:56 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

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

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

6/26/00 8:01 AM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Vblk222**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5480 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk222

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007271.D

Level: (low/med) LOW Date Received: 6/15/00

% Moisture: not dec. Date Analyzed: 6/16/00

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	VB007294.D	Sample Name	5480.01
Operator	Skelton	Field ID	Trip Blank
Date Acquired	17 Jun 2000 6:32 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.45	67802	1.28 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5480 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5480.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007294.D

Level: (low/med) LOW Date Received: 6/15/00

% Moisture: not dec. Date Analyzed: 6/17/00

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	**VB007295.D**	Sample Name	**5480.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**17 Jun 2000 7:13 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	16.45	71240	1.31 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

6/26/00 8:01 AM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5480 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5480.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007295.D

Level: (low/med) LOW Date Received: 6/15/00

% Moisture: not dec. Date Analyzed: 6/17/00

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	**VB007296.D**	Sample Name	**5480.03**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**17 Jun 2000 7:53 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			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

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

6/26/00 8:01 AM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5480 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5480.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007296.D

Level: (low/med) LOW Date Received: 6/15/00

% Moisture: not dec. Date Analyzed: 6/17/00

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	**VB007297.D**	Sample Name	**5480.04**
Operator	**Skelton**	Field ID	**0CW6MW01**
Date Acquired	**17 Jun 2000 8:34 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

6/26/00 8:01 AM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0CW6MW01**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5480 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5480.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007297.D

Level: (low/med) LOW Date Received: 6/15/00

% Moisture: not dec. Date Analyzed: 6/17/00

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	**VB007298.D**	Sample Name	**5480.05**
Operator	**Skelton**	Field ID	**0CW6MW02**
Date Acquired	**17 Jun 2000 9:14 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

6/26/00 8:01 AM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0CW6MW02**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5480 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5480.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007298.D

Level: (low/med) LOW Date Received: 6/15/00

% Moisture: not dec. Date Analyzed: 6/17/00

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	**VB007299.D**	Sample Name	**5480.06**
Operator	**Skelton**	Field ID	**0CW6MW03**
Date Acquired	**17 Jun 2000 9:55 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

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

6/26/00 8:02 AM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0CW6MW03**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5480 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5480.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007299.D

Level: (low/med) LOW Date Received: 6/15/00

% Moisture: not dec. Date Analyzed: 6/17/00

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	**VB007300.D**	Sample Name	**5480.07**
Operator	**Skelton**	Field ID	**0CW6MW34**
Date Acquired	**17 Jun 2000 10:35 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

6/26/00 8:02 AM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0CW6MW34**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5480 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5480.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007300.D

Level: (low/med) LOW Date Received: 6/15/00

% Moisture: not dec. Date Analyzed: 6/17/00

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-VOLATILES

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04157.D**	Sample Name	**Sblk387**
Operator	**Bhaskar**	Misc Info	**Sblk387 A 000622**
Date Acquired	**22-Jun-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	**BNA04157.D**	Sample Name	**Sblk387**
Operator	**Bhaskar**	Misc Info	**Sblk387 A 000622**
Date Acquired	**22-Jun-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: **Sblk387**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5480 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Sblk387

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04157.D

Level: (low/med) LOW Date Received: 6/15/00

% Moisture: decanted: (Y/N) N Date Extracted: 6/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/22/00

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	**BNA04159.D**	Sample Name	**5480.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**22-Jun-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	**BNA04159.D**	Sample Name	**5480.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**22-Jun-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5480 Location: CW6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 5480.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04159.D

Level: (low/med) LOW Date Received: 6/15/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 6/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/22/00

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	**BNA04160.D**	Sample Name	**5480.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**22-Jun-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	**BNA04160.D**	Sample Name	**5480.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**22-Jun-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	0.87	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.62	ug/L	
86-73-7	Fluorene			not detected	300	0.99	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.10	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.05	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.98	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.01	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.67	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.76	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.94	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.42	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.23	ug/L	
120-12-7	Anthracene			not detected	2000	1.12	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.70	ug/L	
206-44-0	Fluoranthene			not detected	300	1.64	ug/L	
92-87-5	Benzidine			not detected	50	4.18	ug/L	
129-00-0	Pyrene			not detected	200	1.25	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.05	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.19	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.75	ug/L	
218-01-9	Chrysene			not detected	20	1.38	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.74	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.25	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.29	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.05	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	0.83	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	0.64	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	0.84	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **Dupe**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5480 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5480.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04160.D

Level: (low/med) LOW Date Received: 6/15/00

% Moisture: decanted: (Y/N) N Date Extracted: 6/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/22/00

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. 000105-60-2	Caprolactam	14.24	5	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04161.D**	Sample Name	**5480.04**
Operator	**Bhaskar**	Misc Info	**0CW6MW01**
Date Acquired	**22-Jun-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	**BNA04161.D**	Sample Name	**5480.04**
Operator	**Bhaskar**	Misc Info	**0CW6MW01**
Date Acquired	**22-Jun-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: **0CW6MW01**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5480 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5480.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04161.D

Level: (low/med) LOW Date Received: 6/15/00

% Moisture: decanted: (Y/N) N Date Extracted: 6/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/22/00

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. 022393-98-2	9-Hexadecenoic acid, 9-octadece	32.36	70	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04162.D**	Sample Name	**5480.05**
Operator	**Bhaskar**	Misc Info	**0CW6MW02**
Date Acquired	**22-Jun-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	**BNA04162.D**	Sample Name	**5480.05**
Operator	**Bhaskar**	Misc Info	**0CW6MW02**
Date Acquired	**22-Jun-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: **0CW6MW02**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5480 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5480.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04162.D

Level: (low/med) LOW Date Received: 6/15/00

% Moisture: decanted: (Y/N) N Date Extracted: 6/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/22/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	7.61	4	J
2.	000104-87-0	Benzaldehyde, 4-methyl-	11.57	8	JN
3.	001014-60-4	Benzene, 1,3-bis(1,1-dimethyleth	14.19	5	JN
4.	000057-10-3	Hexadecanoic acid	22.14	9	JN
5.	000057-11-4	Octadecanoic acid	23.74	6	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04163.D**	Sample Name	**5480.06**
Operator	**Bhaskar**	Misc Info	**0CW6MW03**
Date Acquired	**22-Jun-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	**BNA04163.D**	Sample Name	**5480.06**
Operator	**Bhaskar**	Misc Info	**0CW6MW03**
Date Acquired	**22-Jun-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: **0CW6MW03**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5480 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5480.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04163.D

Level: (low/med) LOW Date Received: 6/15/00

% Moisture: decanted: (Y/N) N Date Extracted: 6/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/22/00

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	**BNA04164.D**	Sample Name	**5480.07**
Operator	**Bhaskar**	Misc Info	**0CW6MW34**
Date Acquired	**22-Jun-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	**BNA04164.D**	Sample Name	**5480.07**
Operator	**Bhaskar**	Misc Info	**0CW6MW34**
Date Acquired	**22-Jun-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: **0CW6MW34**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5480 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5480.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04164.D

Level: (low/med) LOW Date Received: 6/15/00

% Moisture: decanted: (Y/N) N Date Extracted: 6/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/22/00

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. 000105-60-2	Caprolactam	14.24	5	JN
2. 022393-99-3	9-Octadecenoic acid (Z)-, 9-hexa	32.32	29	JN

PESTICIDE/PCB

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

Client :	U.S. Army	**Lab. ID # :**	PBLK542
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	6/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/23/00
Analysis:	EPA Method 608	**Location :**	CW6 (2044) wells
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
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 # :**	5480.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/15/00
	Bldg. 173	**Extraction Date:**	6/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/23/00
Analysis:	EPA Method 608	**Location :**	CW6 (2044) wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0007	**ND**
beta-BHC	1		0.20	0.0014	**ND**
gamma-BHC	1		0.20	0.0012	**ND**
delta-BHC	1		NLE	0.0021	**ND**
Heptachlor	1		0.40	0.0016	**ND**
Aldrin	1		0.04	0.0014	**ND**
Heptachlor Epoxide	1		0.20	0.0008	**ND**
Endosulfan I	1		0.40	0.0014	**ND**
4,4'-DDE	1		0.10	0.0014	**ND**
Dieldrin	1		0.03	0.0011	**ND**
Endrin	1		2.00	0.0012	**ND**
Endrin Ketone	1		NLE	0.0012	**ND**
Endosulfan II	1		0.40	0.0006	**ND**
4,4'-DDD	1		0.10	0.0012	**ND**
4,4'-DDT	1		0.10	0.0019	**ND**
Endosulfan-Sulfate	1		0.40	0.0018	**ND**
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 # :**	5480.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/15/00
	Bldg. 173	**Extraction Date:**	6/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/23/00
Analysis:	EPA Method 608	**Location :**	CW6 (2044) wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	Dupe
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0007	ND
beta-BHC	1		0.20	0.0014	ND
gamma-BHC	1		0.20	0.0012	ND
delta-BHC	1		NLE	0.0021	ND
Heptachlor	1		0.40	0.0016	ND
Aldrin	1		0.04	0.0014	ND
Heptachlor Epoxide	1		0.20	0.0008	ND
Endosulfan 1	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
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 # :**	5480.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/15/00
	Bldg. 173	**Extraction Date:**	6/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/23/00
Analysis:	EPA Method 608	**Location :**	CW6 (2044) wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW01
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
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 # :**	5480.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/15/00
	Bldg. 173	**Extraction Date:**	6/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/23/00
Analysis:	EPA Method 608	**Location :**	CW6 (2044) wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW02
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
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 # :**	5480.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/15/00
	Bldg. 173	**Extraction Date:**	6/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/23/00
Analysis:	EPA Method 608	**Location :**	CW6 (2044) wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW03
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
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 # :**	5480.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	6/15/00
	Bldg. 173	**Extraction Date:**	6/22/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/23/00
Analysis:	EPA Method 608	**Location :**	CW6 (2044) wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	0CW6MW34
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
Alpha-chlordane	1		0.50	0.0007	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.0273	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

METALS

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

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

Lab ID #: 5480
Sample Prepared: 07/06/00

Site: CW-6
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	07/06/00	ND	200	10.0
Antimony	07/06/00	3.01	20	2.0
Arsenic	07/06/00	ND	8	2.0
Barium	07/06/00	5.24	2000	0.5
Beryllium	07/06/00	ND	20	0.5
Cadmium	07/06/00	ND	4	0.5
Calcium	07/06/00	150	NLE	20.0
Chromium	07/06/00	4.24	100	0.5
Cobalt	07/06/00	ND	NLE	0.5
Copper	07/06/00	63.8	1000	3.0
Iron	07/06/00	28.3	300	10.0
Lead	07/06/00	ND	10	2.0
Magnesium	07/06/00	23.1	NLE	20.0
Manganese	07/06/00	ND	50	0.5
Mercury	07/06/00	ND	2	0.1
Nickel	07/06/00	3.43	100	0.5
Potassium	07/06/00	ND	NLE	20.0
Selenium	07/06/00	ND	50	3.0
Silver	07/06/00	ND	20	3.0
Sodium	07/06/00	ND	50000	20.0
Thallium	07/06/00	ND	10	3.0
Vanadium	07/06/00	ND	NLE	1.0
Zinc	07/06/00	11.4	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 #: 5480.02
Sample Received: 06/15/00
Sample Matrix: Aqueous

Site: CW-6
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	07/06/00	ND	200	10.0
Antimony	07/06/00	ND	20	2.0
Arsenic	07/06/00	ND	8	2.0
Barium	07/06/00	ND	2000	0.5
Beryllium	07/06/00	ND	20	0.5
Cadmium	07/06/00	ND	4	0.5
Calcium	07/06/00	ND	NLE	20.0
Chromium	07/06/00	ND	100	0.5
Cobalt	07/06/00	ND	NLE	0.5
Copper	07/06/00	ND	1000	3.0
Iron	07/06/00	ND	300	10.0
Lead	07/06/00	ND	10	2.0
Magnesium	07/06/00	ND	NLE	20.0
Manganese	07/06/00	ND	50	0.5
Mercury	07/06/00	ND	2	0.1
Nickel	07/06/00	ND	100	0.5
Potassium	07/06/00	ND	NLE	20.0
Selenium	07/06/00	ND	50	3.0
Silver	07/06/00	ND	20	3.0
Sodium	07/06/00	ND	50000	20.0
Thallium	07/06/00	6.73	10	3.0
Vanadium	07/06/00	ND	NLE	1.0
Zinc	07/06/00	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 #: 5480.03
Sample Received: 06/15/00
Sample Matrix: Aqueous

Site: CW-6
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	07/06/00	337	200	10.0
Antimony	07/06/00	ND	20	2.0
Arsenic	07/06/00	ND	8	2.0
Barium	07/06/00	41.7	2000	0.5
Beryllium	07/06/00	ND	20	0.5
Cadmium	07/06/00	ND	4	0.5
Calcium	07/06/00	9290	NLE	20.0
Chromium	07/06/00	4.89	100	0.5
Cobalt	07/06/00	1.42	NLE	0.5
Copper	07/06/00	ND	1000	3.0
Iron	07/06/00	5110	300	10.0
Lead	07/06/00	ND	10	2.0
Magnesium	07/06/00	2040	NLE	20.0
Manganese	07/06/00	46.0	50	0.5
Mercury	07/06/00	ND	2	0.1
Nickel	07/06/00	3.60	100	0.5
Potassium	07/06/00	3520	NLE	20.0
Selenium	07/06/00	ND	50	3.0
Silver	07/06/00	ND	20	3.0
Sodium	07/06/00	17800	50000	20.0
Thallium	07/06/00	ND	10	3.0
Vanadium	07/06/00	1.19	NLE	1.0
Zinc	07/06/00	147	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 #: 5480.04
Sample Received: 06/15/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW01

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	07/06/00	162	200	10.0
Antimony	07/06/00	ND	20	2.0
Arsenic	07/06/00	ND	8	2.0
Barium	07/06/00	40.9	2000	0.5
Beryllium	07/06/00	ND	20	0.5
Cadmium	07/06/00	ND	4	0.5
Calcium	07/06/00	79400	NLE	20.0
Chromium	07/06/00	9.82	100	0.5
Cobalt	07/06/00	1.37	NLE	0.5
Copper	07/06/00	10.7	1000	3.0
Iron	07/06/00	1650	300	10.0
Lead	07/06/00	ND	10	2.0
Magnesium	07/06/00	17300	NLE	20.0
Manganese	07/06/00	516	50	0.5
Mercury	07/06/00	ND	2	0.1
Nickel	07/06/00	6.35	100	0.5
Potassium	07/06/00	5110	NLE	20.0
Selenium	07/06/00	ND	50	3.0
Silver	07/06/00	ND	20	3.0
Sodium	07/06/00	125000	50000	20.0
Thallium	07/06/00	ND	10	3.0
Vanadium	07/06/00	2.78	NLE	1.0
Zinc	07/06/00	34.8	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 5480.05
Sample Received: 06/15/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW02

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	07/06/00	25000	200	10.0
Antimony	07/06/00	2.94	20	2.0
Arsenic	07/06/00	ND	8	2.0
Barium	07/06/00	126	2000	0.5
Beryllium	07/06/00	1.52	20	0.5
Cadmium	07/06/00	ND	4	0.5
Calcium	07/06/00	8990	NLE	20.0
Chromium	07/06/00	17.7	100	0.5
Cobalt	07/06/00	4.39	NLE	0.5
Copper	07/06/00	8.66	1000	3.0
Iron	07/06/00	15400	300	10.0
Lead	07/06/00	17.5	10	2.0
Magnesium	07/06/00	6300	NLE	20.0
Manganese	07/06/00	90.6	50	0.5
Mercury	07/06/00	ND	2	0.1
Nickel	07/06/00	7.55	100	0.5
Potassium	07/06/00	2440	NLE	20.0
Selenium	07/06/00	ND	50	3.0
Silver	07/06/00	24.2	20	3.0
Sodium	07/06/00	47800	50000	20.0
Thallium	07/06/00	ND	10	3.0
Vanadium	07/06/00	13.1	NLE	1.0
Zinc	07/06/00	85.2	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 #: 5480.06
Sample Received: 06/15/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW03

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	07/06/00	165	200	10.0
Antimony	07/06/00	ND	20	2.0
Arsenic	07/06/00	ND	8	2.0
Barium	07/06/00	26.3	2000	0.5
Beryllium	07/06/00	ND	20	0.5
Cadmium	07/06/00	ND	4	0.5
Calcium	07/06/00	20100	NLE	20.0
Chromium	07/06/00	3.19	100	0.5
Cobalt	07/06/00	1.06	NLE	0.5
Copper	07/06/00	6.20	1000	3.0
Iron	07/06/00	1010	300	10.0
Lead	07/06/00	6.70	10	2.0
Magnesium	07/06/00	1910	NLE	20.0
Manganese	07/06/00	17.7	50	0.5
Mercury	07/06/00	ND	2	0.1
Nickel	07/06/00	3.75	100	0.5
Potassium	07/06/00	571	NLE	20.0
Selenium	07/06/00	ND	50	3.0
Silver	07/06/00	ND	20	3.0
Sodium	07/06/00	13800	50000	20.0
Thallium	07/06/00	ND	10	3.0
Vanadium	07/06/00	1.14	NLE	1.0
Zinc	07/06/00	103	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 #: 5480.07
Sample Received: 06/15/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	07/06/00	365	200	10.0
Antimony	07/06/00	ND	20	2.0
Arsenic	07/06/00	ND	8	2.0
Barium	07/06/00	37.0	2000	0.5
Beryllium	07/06/00	ND	20	0.5
Cadmium	07/06/00	ND	4	0.5
Calcium	07/06/00	9930	NLE	20.0
Chromium	07/06/00	4.00	100	0.5
Cobalt	07/06/00	1.32	NLE	0.5
Copper	07/06/00	ND	1000	3.0
Iron	07/06/00	5560	300	10.0
Lead	07/06/00	ND	10	2.0
Magnesium	07/06/00	2170	NLE	20.0
Manganese	07/06/00	48.2	50	0.5
Mercury	07/06/00	ND	2	0.1
Nickel	07/06/00	3.87	100	0.5
Potassium	07/06/00	3750	NLE	20.0
Selenium	07/06/00	ND	50	3.0
Silver	07/06/00	ND	20	3.0
Sodium	07/06/00	19000	50000	20.0
Thallium	07/06/00	ND	10	3.0
Vanadium	07/06/00	1.43	NLE	1.0
Zinc	07/06/00	151	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

LTM

	Lab	Di-n-butyl phthalate	bis(2-Ethylhexyl) phthalate	Unknown Hydro carbon	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	900	30	NLE	0.2	0.1	0.5	0.5	200	8	-
04/30/1997	FMETL	ND	ND	ND	0.029	0.026	0.057	0.038	290	2	V,S,P,M
09/02/1997	FMETL	ND	ND	24	0.035	0.027	0.096	0.054	361	4.0	V,S,P,M
12/01/1997	FMETL	1.88	ND	ND	0.024	0.023	0.057	0.025	303	ND	V,S.P.M
03/05/1998	FMETL	ND	1.16	ND	0.026	0.014	0.031	0.025	374	ND	V,S,P,M
06/15/1998	FMETL	ND	ND	ND	0.020	ND	0.054	0.031	541	5.1	V,S,P,M
09/22/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	77700	88	V,S.P,M
12/04/1998	FMETL	ND	ND	ND	ND	0.024	0.050	0.021	237	10.8	V,S,P,M
02/17/1999	FMETL	ND	ND	ND	0.028	0.013	0.062	0.030	91.2	ND	V,S,P,M
06/18/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	638	4.74	V,S,P,M
08/10/1999	FMETL	ND	ND	ND	ND	ND	0.021	0.031	661	8.87	V,S,P,M
11/15/1999	FMETL	ND	ND	ND	0.271	ND	0.284	0.307	590	2.33	V,S,P,M
03/27/2000	FMETL	ND	ND	ND	0.027	0.014	0.038	0.046	116	ND	V,S,P,M
06/15/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	162	ND	V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 06/15/2000

NOTES:

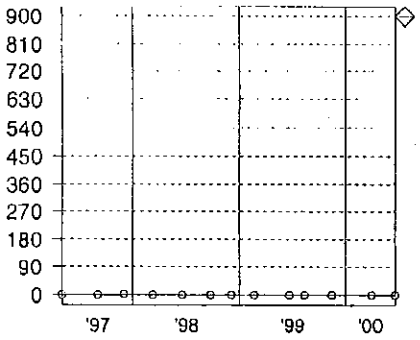
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

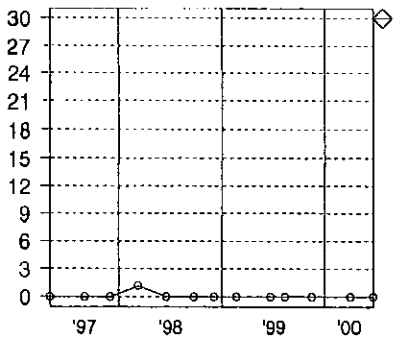
Well 1 of 4

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

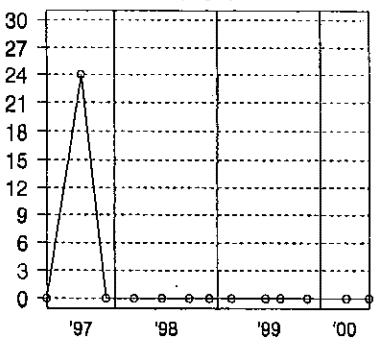
Di-n-butylphthalate
(ug/l)



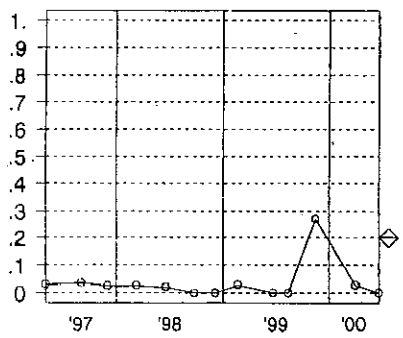
bis(2-ethylhexyl)phthalate
(ug/l)



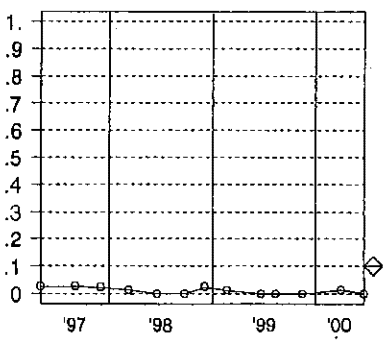
Unknown Hydrocarbon
(ug/l)



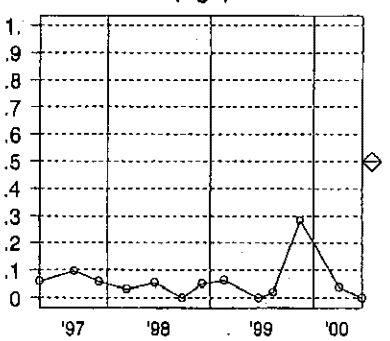
Heptachlor Epoxide
(ug/l)



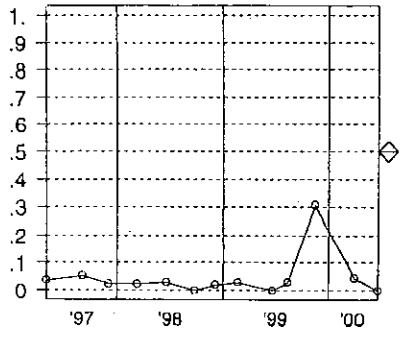
4,4'DDD
(ug/l)



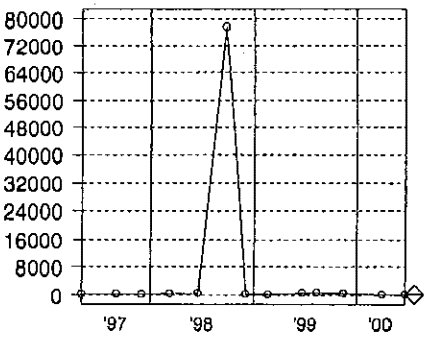
Alpha-chlordane
(ug/l)



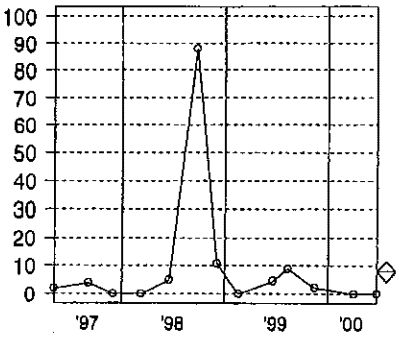
Gamma-chlordane
(ug/l)



Aluminum
(ug/l)



Arsenic
(ug/l)



SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 06/15/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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

07-07-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Iron	Silver	Sodium	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	300	20	50000	-						-
04/30/1997	FMETL	1880	21	24000	3.60						V,S,P,M
09/02/1997	FMETL	790	6.0	23730	4.80						V,S,P,M
12/01/1997	FMETL	468	ND	17300	4.20						V,S.P.M
03/05/1998	FMETL	1953	ND	18070	3.38						V,S,P,M
06/15/1998	FMETL	2414	ND	20990	3.47						V,S,P,M
09/22/1998	FMETL	112000	ND	107000	6.21						V,S.P,M
12/04/1998	FMETL	2190	ND	20200	8.25						V,S,P,M
02/17/1999	FMETL	1140	ND	28600	4.24						V,S,P,M
06/18/1999	FMETL	1930	ND	21900	5.93						V,S,P,M
08/10/1999	FMETL	4760	37.9	17800	7.36						V,S,P,M
11/15/1999	FMETL	1190	ND	19300	5.06						V,S,P,M
03/27/2000	FMETL	2270	ND	10600	4.28						V,S,P,M
06/15/2000	FMETL	1650	ND	125000	4.84						V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 06/15/2000

NOTES:

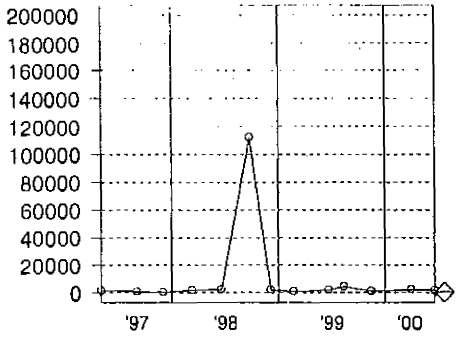
Page 2 of 2.

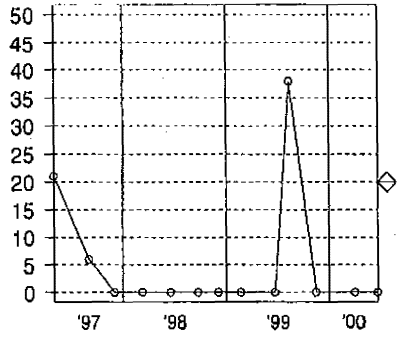
FORT MONMOUTH

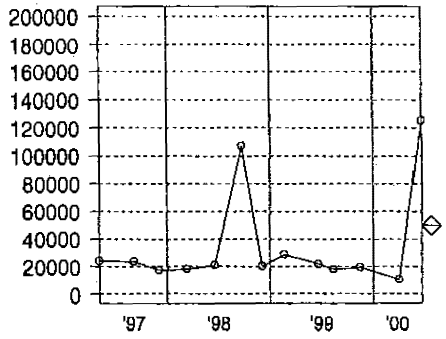
GW MONITORING
CW-6 Bldg. 2044

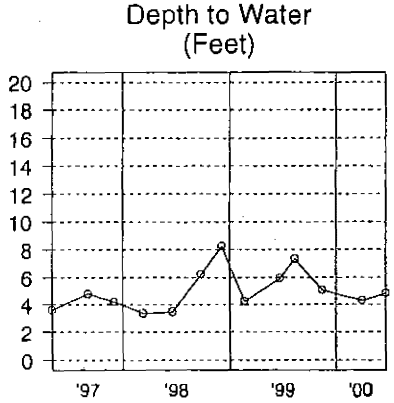
Well 1 of 4

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









SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 06/15/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 1 of 4, Graph

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

07-07-2000 x:\mtech46\fm\2044a\gw\2044.wsl

	Lab	Di-n-butyl phthalate	Butyl benzyl phthalate	bis(2-Ethylhexyl) phthalate	Unknown Hydro carbon	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	900	100	30	NLE	0.2	0.1	0.5	0.5	200	-
04/30/1997	FMETL	81	19	5	ND	ND	ND	ND	ND	260	V,S,P,M
08/29/1997	FMETL	ND	ND	ND	69	ND	ND	ND	ND	2600	V,S,P,M
12/01/1997	FMETL	1.12	ND	ND	ND	ND	ND	ND	ND	10060	V,S,P,M
03/05/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	28570	V,S,P,M
06/15/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	37960	V,S,P,M
09/22/1998	FMETL	ND	ND	ND	ND	0.023	0.026	0.056	0.033	630	V,S,P,M
12/04/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5040	V,S,P,M
02/17/1999	FMETL	ND	ND	1.53	ND	ND	ND	ND	ND	26000	V,S,P,M
06/18/1999	FMETL	ND	ND	2.00	ND	ND	ND	ND	ND	24700	V,S,P,M
08/10/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3610	V,S,P,M
11/15/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	15700	V,S,P,M
03/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	87700	V,S,P,M
06/15/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	25000	V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 06/15/2000

NOTES:

Page 1 of 2.

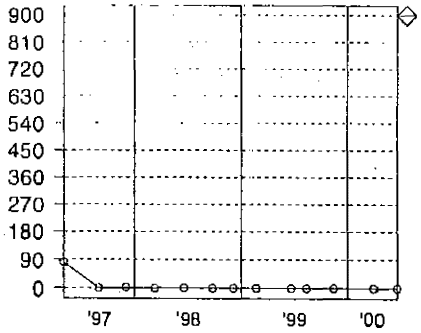
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

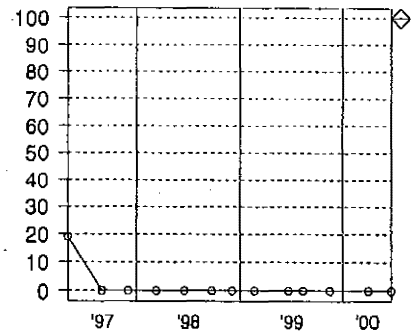
Well 2 of 4

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

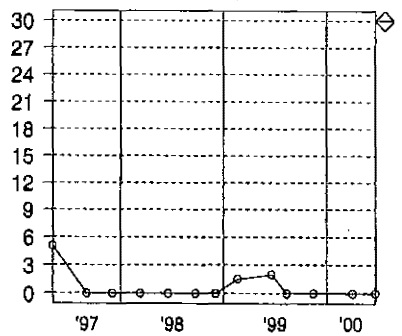
Di-n-butylphthalate
(ug/l)



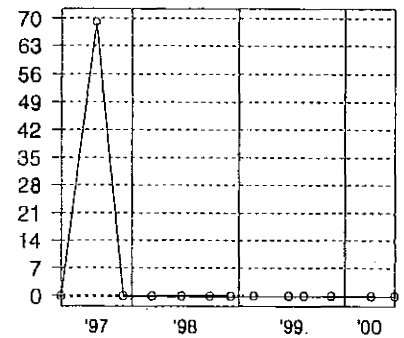
Butylbenzylphthalate
(ug/l)



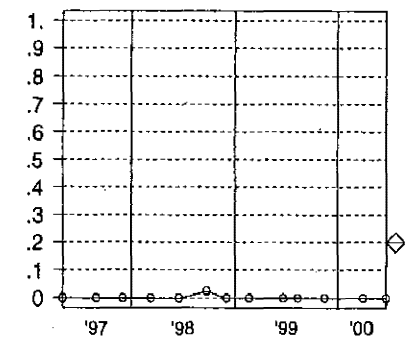
bis(2-ethylhexyl)phthalate
(ug/l)



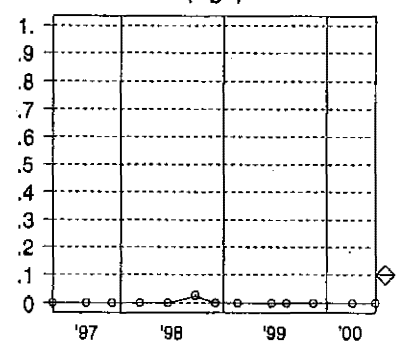
Unknown Hydrocarbon
(ug/l)



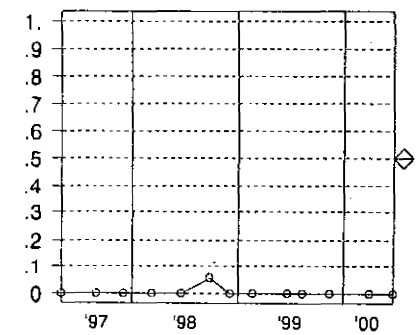
Heptachlor Epoxide
(ug/l)



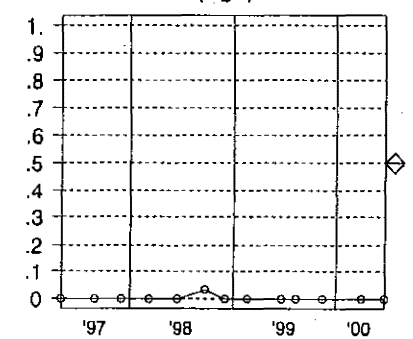
4,4'DDD
(ug/l)



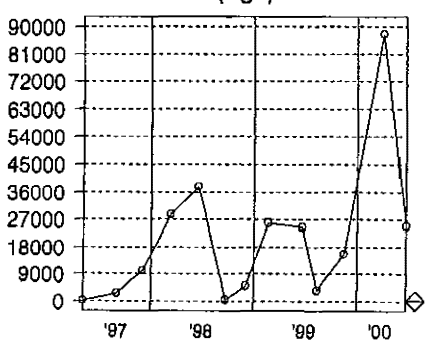
Alpha-chlordane
(ug/l)



Gamma-chlordane
(ug/l)



Aluminum
(ug/l)



SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 06/15/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4, Graph

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

07-07-2000 x:\mtech46\fm\2044a\gw\2044.wst

	Lab	Arsenic	Iron	Silver	Sodium	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	8	300	20	50000	-					-
04/30/1997	FMETL	22	76000	89	104500	3.03					V,S,P,M
08/29/1997	FMETL	6	7140	ND	48940	5.80					V,S,P,M
12/01/1997	FMETL	7	9940	ND	21000	4.10					V,S,P,M
03/05/1998	FMETL	17.9	21390	ND	30750	2.81					V,S,P,M
06/15/1998	FMETL	48.1	41540	ND	46240	3.06					V,S,P,M
09/22/1998	FMETL	13	5450	ND	22200	6.22					V,S,P,M
12/04/1998	FMETL	ND	3500	ND	27700	6.51					V,S,P,M
02/17/1999	FMETL	7.88	17700	ND	57100	4.11					V,S,P,M
06/18/1999	FMETL	2.94	9570	ND	54500	5.93					V,S,P,M
08/10/1999	FMETL	ND	2930	ND	32100	7.04					V,S,P,M
11/15/1999	FMETL	2.28	8610	ND	32700	5.00					V,S,P,M
03/27/2000	FMETL	ND	28600	ND	32900	3.88					V,S,P,M
06/15/2000	FMETL	ND	15400	24.2	47800	4.68					V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 06/15/2000

NOTES:

Page 2 of 2.

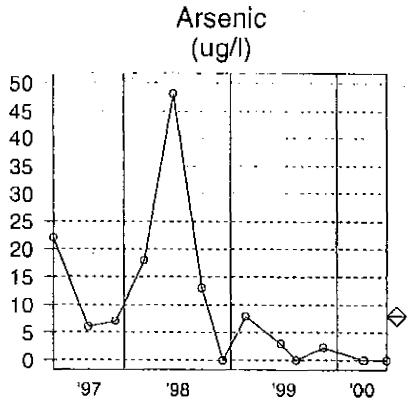
FORT MONMOUTH

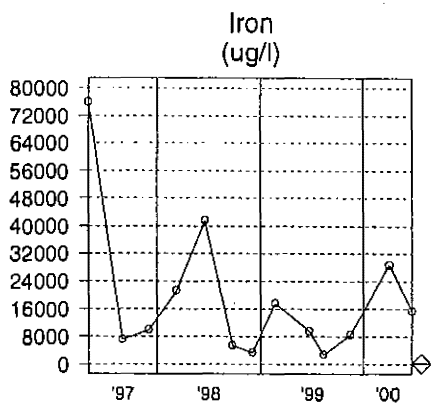
GW MONITORING
CW-6 Bldg. 2044

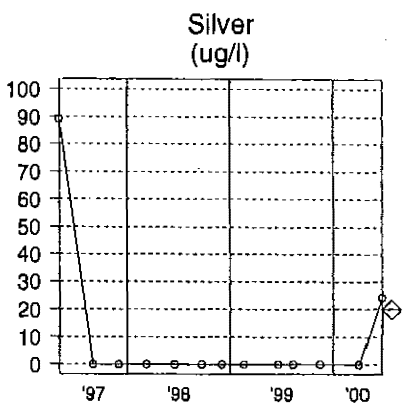
Well 2 of 4

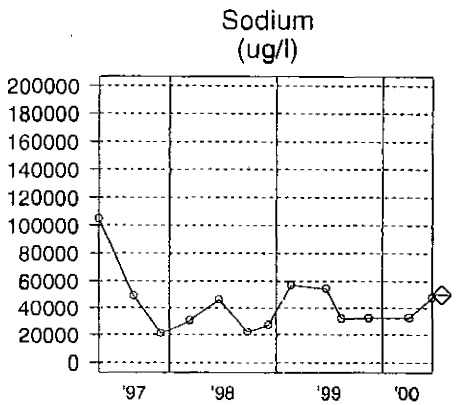
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

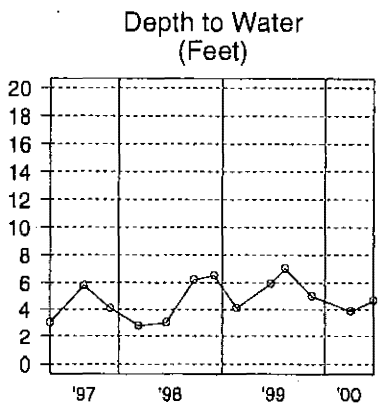
07-07-2000 x:\vntech46\fm\2044a\gw\2044.wsf











SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 06/15/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 2 of 4, Graph

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

07-07-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Di-n-butyl phthalate	Unknown Hydro carbon	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	900	NLE	200	8	300	20	50000	-		-
04/30/1997	FMETL	ND	ND	124	1.0	595	19	11000	3.90		V,S,P,M
08/29/1997	FMETL	ND	46	292	ND	2490	ND	7090	6.50		V,S,P,M
12/01/1997	FMETL	1.48	ND	293	ND	538	ND	11830	4.80		V,S,P,M
03/05/1998	FMETL	ND	ND	506	ND	848	ND	10780	3.32		V,S,P,M
06/15/1998	FMETL	ND	ND	335	ND	1165	ND	10860	3.98		V,S,P,M
09/22/1998	FMETL	ND	ND	934	ND	3600	ND	7320	7.15		V,S,P,M
12/04/1998	FMETL	ND	ND	425	ND	781	ND	8720	7.37		V,S,P,M
02/17/1999	FMETL	ND	ND	1050	ND	1110	ND	14300	4.73		V,S,P,M
06/18/1999	FMETL	ND	ND	950	ND	542	ND	11600	6.72		V,S,P,M
08/10/1999	FMETL	ND	ND	345	ND	451	ND	15100	7.75		V,S,P,M
11/15/1999	FMETL	ND	ND	408	ND	604	ND	12400	5.93		V,S,P,M
03/27/2000	FMETL	ND	ND	673	5.04	2360	ND	10800	4.73		V,S,P,M
06/15/2000	FMETL	ND	ND	165	ND	1010	ND	13800	6.47		V,S,P,M

SOURCE: 0CW6MW03

Sampling Dates:
04/30/1997 - 06/15/2000

NOTES:

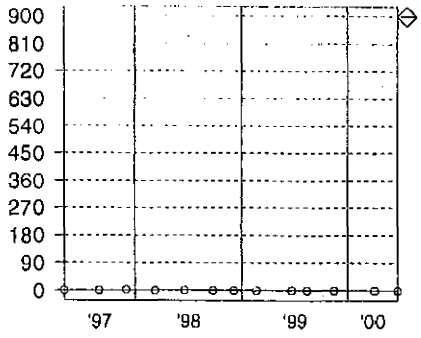
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

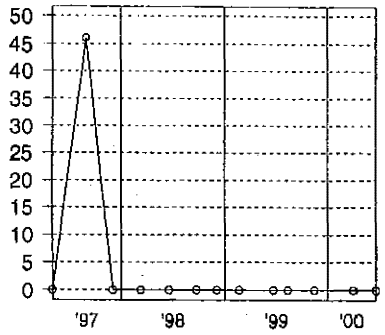
Well 3 of 4

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

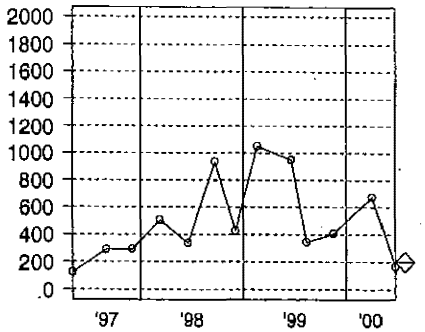
Di-n-butylphthalate (ug/l)



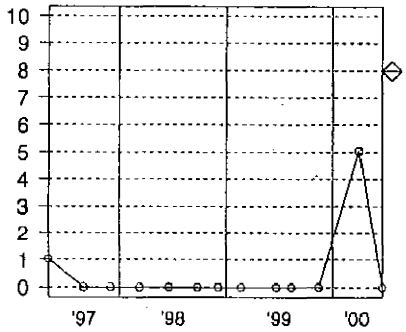
Unknown Hydrocarbon (ug/l)



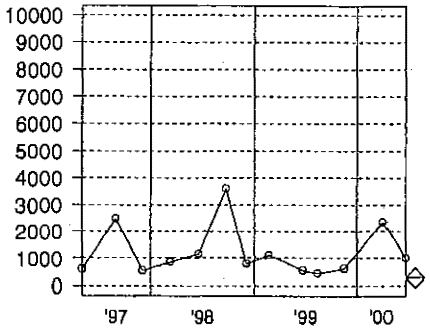
Aluminum (ug/l)



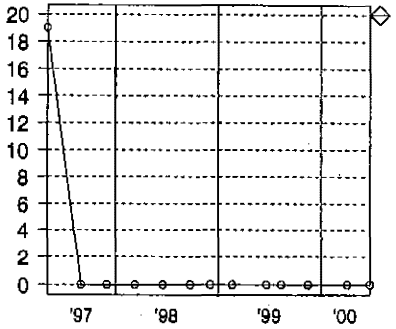
Arsenic (ug/l)



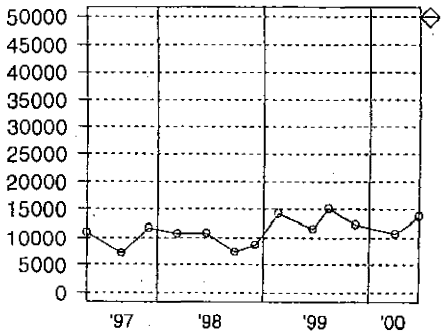
Iron (ug/l)



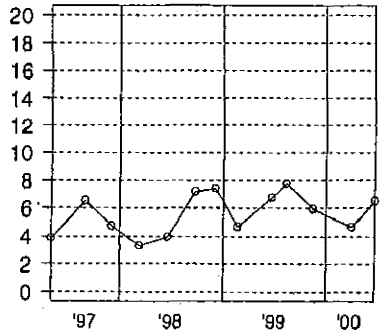
Silver (ug/l)



Sodium (ug/l)



Depth to Water (Feet)



SOURCE: 0CW6MW03

Sampling Dates:
04/30/1997 - 06/15/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Well 3 of 4, Graph

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

07-07-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Unknown Hydro carbon	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	NLE	200	8	300	20	50000	-			-
04/30/1997	FMETL	ND	48	2.0	2100	18	15500	3.75			V,S,P,M
09/02/1997	FMETL	30	120	1.0	1380	13	16570	4.90			V,S,P,M
12/01/1997	FMETL	ND	348	ND	652	ND	15500	4.25			V,S,P,M
03/05/1998	FMETL	ND	385	ND	2212	ND	15940	3.78			V,S,P,M
06/15/1998	FMETL	ND	204	ND	2624	ND	15380	5.54			V,S,P,M
09/22/1998	FMETL	ND	360	6	9030	ND	16300	6.31			V,S,P,M
12/04/1998	FMETL	ND	434	ND	2280	ND	14400	6.01			V,S,P,M
02/17/1999	FMETL	ND	345	ND	2640	ND	18800	4.23			V,S,P,M
06/18/1999	FMETL	ND	419	2.71	5350	ND	19400	6.28			V,S,P,M
08/10/1999	FMETL	ND	522	2.89	4940	ND	20600	7.12			V,S,P,M
11/15/1999	FMETL	ND	215	ND	1390	ND	19400	4.91			V,S,P,M
03/27/2000	FMETL	ND	285	ND	2920	ND	12100	4.11			V,S,P,M
03/27/2000D	FMETL	ND	294	ND	2980	ND	12000	4.11			V,S,P,M
06/15/2000	FMETL	ND	365	ND	5560	ND	19000	4.80			V,S,P,M

SOURCE: 0CW6MW34

Sampling Dates:
04/30/1997 - 06/15/2000

NOTES:

Page 1 of 1

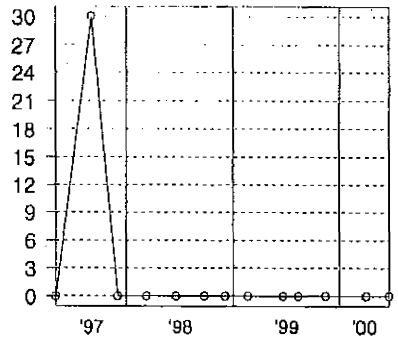
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

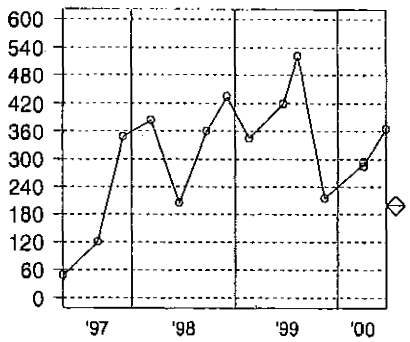
Well 4 of 4

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

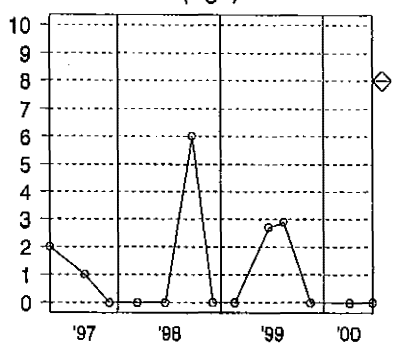
Unknown Hydrocarbon
(ug/l)



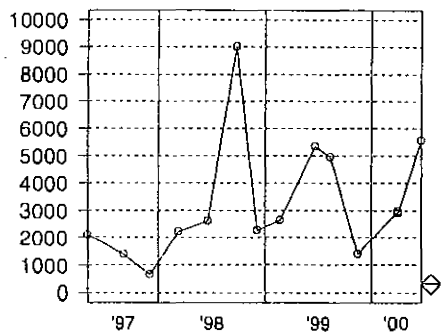
Aluminum
(ug/l)



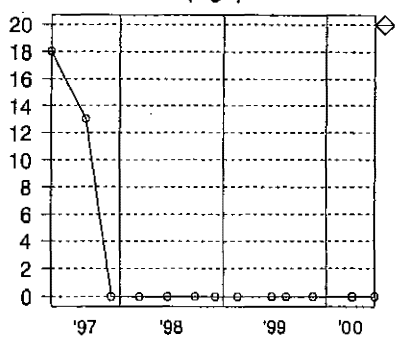
Arsenic
(ug/l)



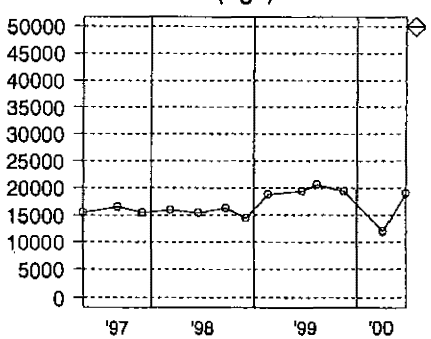
Iron
(ug/l)



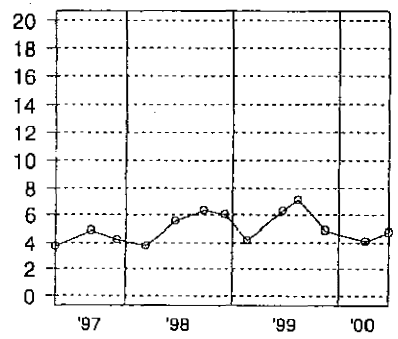
Silver
(ug/l)



Sodium
(ug/l)



Depth to Water
(Feet)



SOURCE: 0CW6MW34

Sampling Dates:
04/30/1997 - 06/15/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

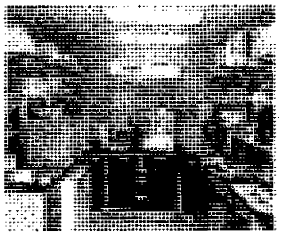
Well 4 of 4, Graph

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

07-07-2000 x:\mtech46\fm\2044a\gw\2044.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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5665.04	0CW6MW01	29-30970	08/28/00
5684.03	0CW6MW02	29-30971	09/01/00
5665.05	0CW6MW03	29-30972	08/28/00
5665.03	0CW6MW34	29-32599	08/28/00

NJDEP Laboratory Certification # 13461

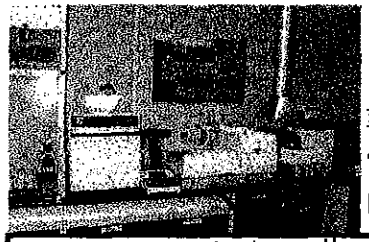
9-21-00

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: Low Flow
Location: CW6

Samplers Name / Company: DS - TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: TAL Metals	Analysis Parameters: PEST	Comments: Remarks / Preservation Method
5665 .01	FB	8/28	0930	AQ	2	✓	✓	
.02	Dupe	"	—		1	✓		
/ .03	CW6MW14	"	1065	"	2	✓	✓	
.04	CW6MW1	"	1142	"	2	✓	✓	
.05	CW6MW3	"	1310		2	✓	✓	

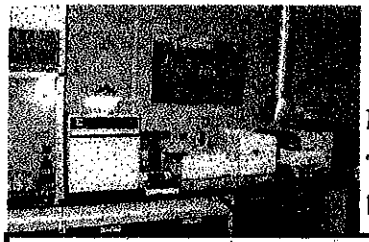
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	8/28 1525	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
		[signature]			

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

print legibly

Coc.xls8/28/00



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 | Project No: Low Flow | Analysis Parameters | Comments:

Phone #: 2623 | Location: CWGMW2

(✓)DERA ( )OMA ( )Other:_____

Samplers Name / Company: Dave Sharpe - TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	TAL METALS	PEST					HNO	Remarks / Preservation Method
37084.01	FB	9/1/00	0910	AQ	2	✓	✓						HNO_3
.02	FD	"	—	AQ	2	✓	✓						"
.03	CWGMW02	"	1225	AQ	2	✓	✓						"
~~.04~~													
~~.05~~													
~~.06~~													

DJ

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
	9/1 1304				
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: CW-6
MW#: 0CW6MW01
NJDEP ID#29-30970
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 08/28/00
WEATHER: Cloudy
TIDE: N/A
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 2.3 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: 5.0 ft
Before Purge Start: 5.0 ft **Previous Day: 5.0 ft** **After Sampling: 5.0 ft**
DEPTH OF WELL: 15 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE:11 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: 11:00
pH 5.71 su
TEMP 17.80 °C
DISSOLVED O_2 999.99 mg/L
SPECIFIC CONDUCTIVITY 2190 ms/cm

PURGE END TIME: 11:50
pH 5.70 su
TEMP 18.55 °C
DISSOLVED O_2 999.99 mg/L
SPECIFIC CONDUCTIVITY 2224 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 5.0 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 11:42
pH 5.69 su
TEMP 18.64 °C
DISSOLVED O_2 999.99 mg/L
SPECIFIC CONDUCTIVITY 2221 ms/cm

SAMPLE END TIME: 11:49
ANALYTES: TAL Metals/Pest
COMMENTS:

FIELD READINGS

MW: 0CW6MW01
NJDEP ID#: 29-30970
DATE: 8/28/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
11:00	5.71	17.8	1889	2190	999.99	7.09	5.1	250	
11:05	5.7	18.26	1933	2219	999.99	3.19	5.1	250	
11:10	5.7	18.15	1939	2231	999.99	4.59	5.1	250	
11:15	5.71	18.24	1938	2225	999.99	3.44	5.1	250	
11:20	5.7	18.34	1943	2226	999.99	3.51	5.1	250	
11:25	5.7	18.56	1952	2226	999.99	3.74	5.1	250	
11:30	5.7	18.55	1950	2224	999.99	4.62	5.1	250	
11:35	5.7	18.71	1953	2220	999.99	4.27	5.1	250	
11:40	5.69	18.64	1951	2221	999.99	4.84	5.1	250	

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1100	7.09	5.1	250
1105	3.19	5.1	250
1110	4.59	5.1	250
1115	3.44	5.1	250
1120	3.51	5.1	250
1125	3.74	5.1	250
1130	4.62	5.1	250
1135	4.27	5.1	250
1140	4.84	5.1	250

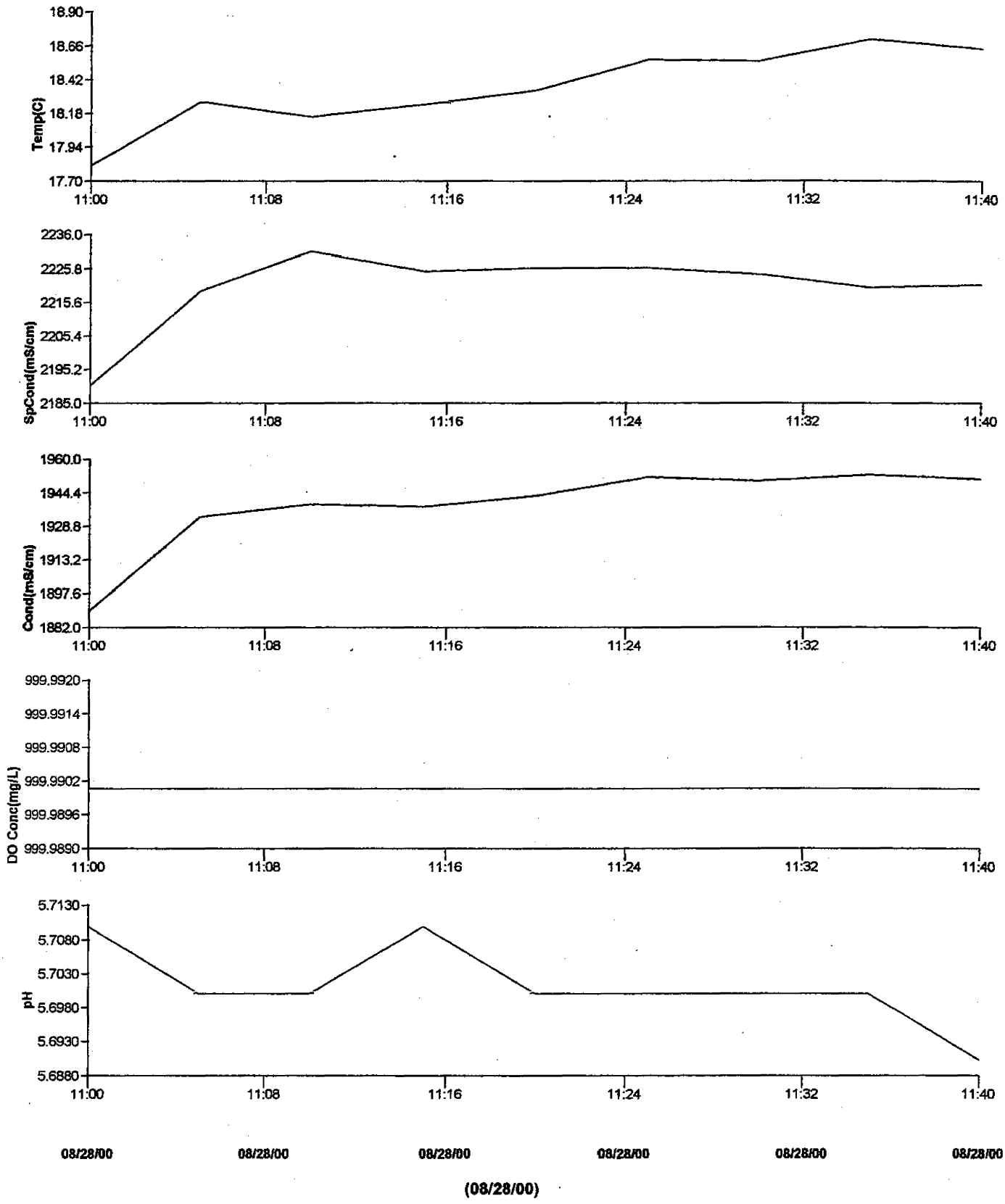
Cw6mw1
CW6MW01 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

From 08/28/00 11:00 to 08/28/00 11:40
Number of samples: 9

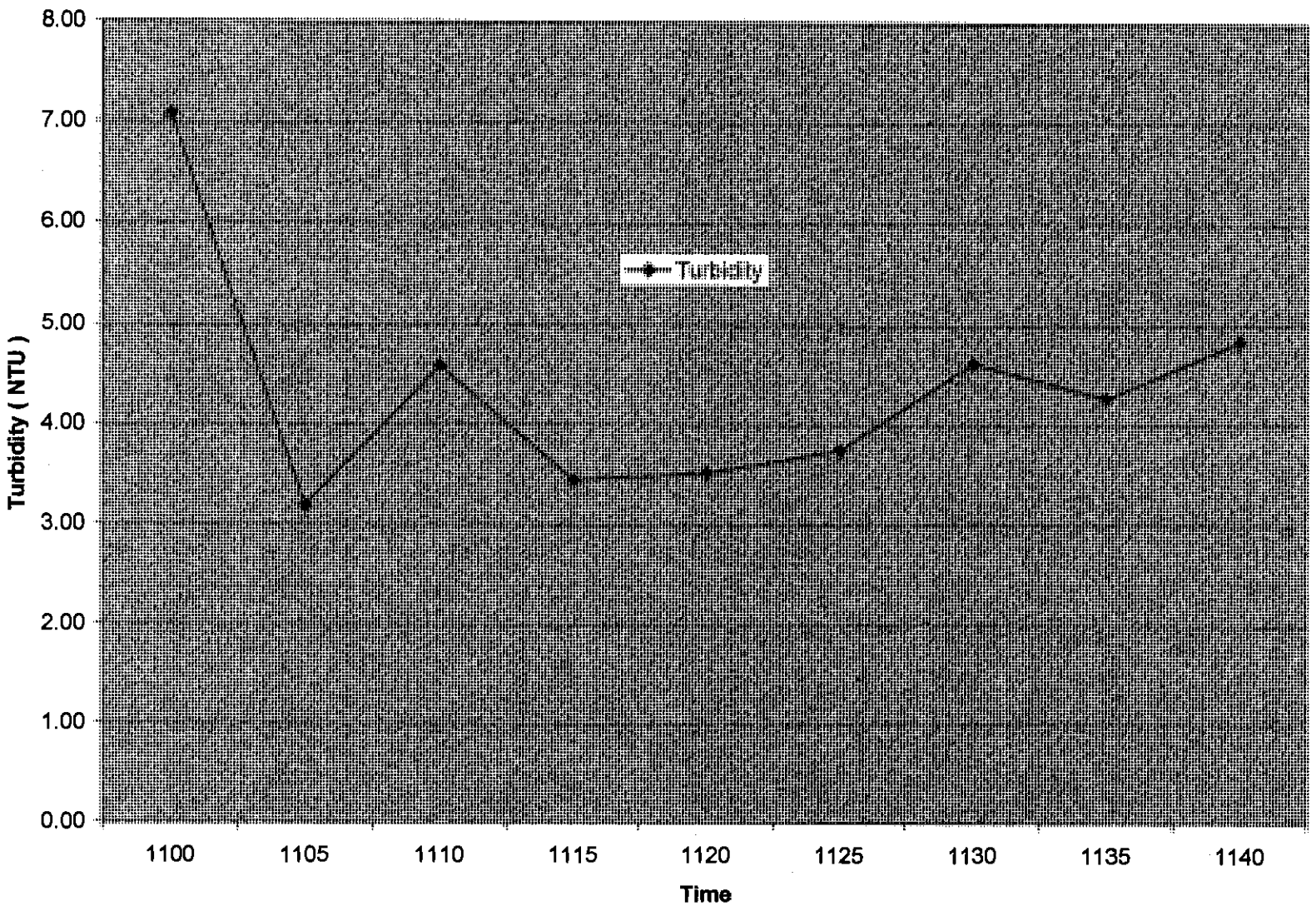
08/28/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
08/28/00 11:00	17.80	2190.000	1889.000	999.99	5.71
08/28/00 11:05	18.26	2219.000	1933.000	999.99	5.70
08/28/00 11:10	18.15	2231.000	1939.000	999.99	5.70
08/28/00 11:15	18.24	2225.000	1938.000	999.99	5.71
08/28/00 11:20	18.34	2226.000	1943.000	999.99	5.70
08/28/00 11:25	18.56	2226.000	1952.000	999.99	5.70
08/28/00 11:30	18.55	2224.000	1950.000	999.99	5.70
08/28/00 11:35	18.71	2220.000	1953.000	999.99	5.70
08/28/00 11:40	18.64	2221.000	1951.000	999.99	5.69

CW6MW01 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH

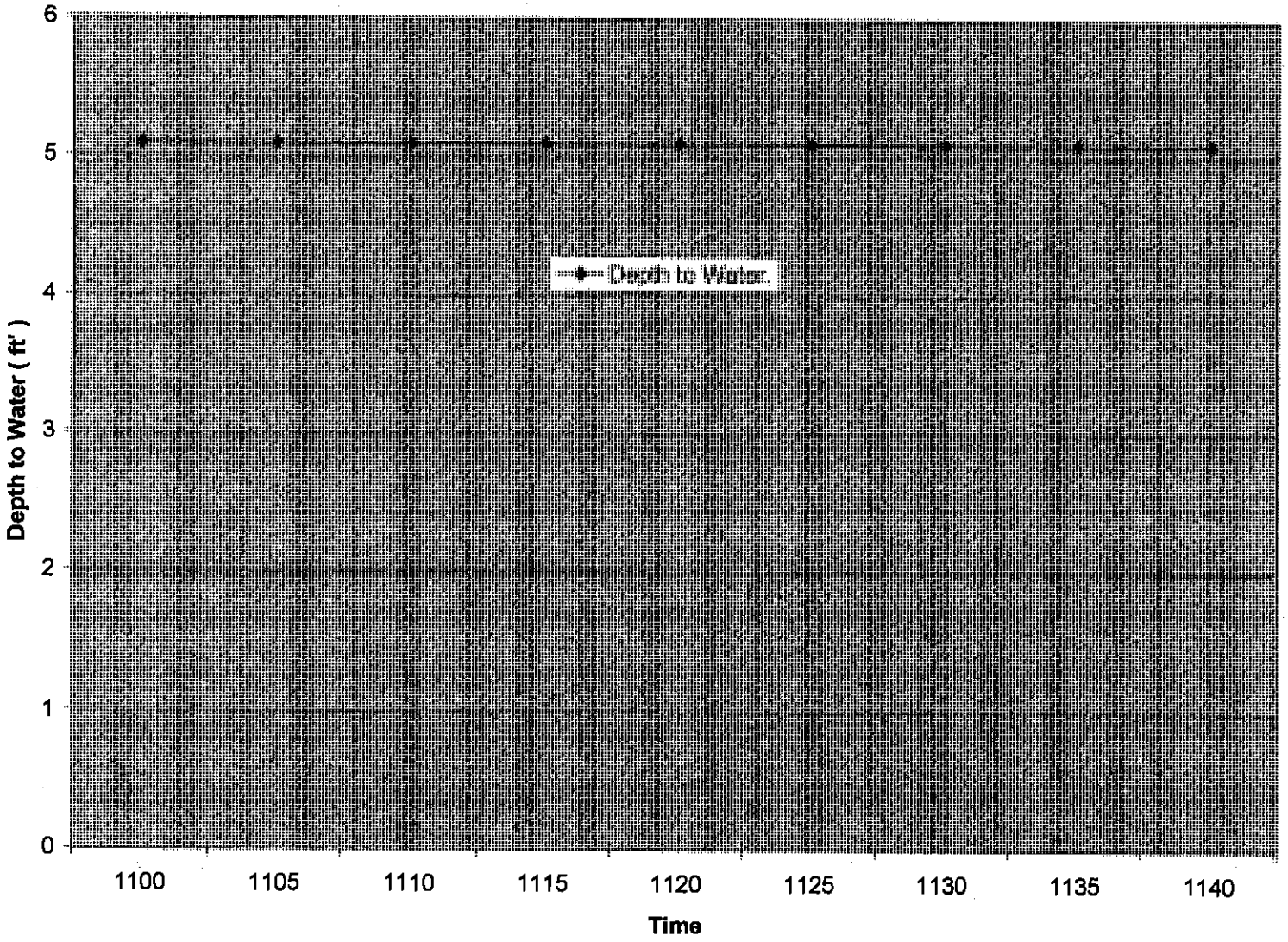


CW6MW01
Permit #: 29-30970
8/28/00

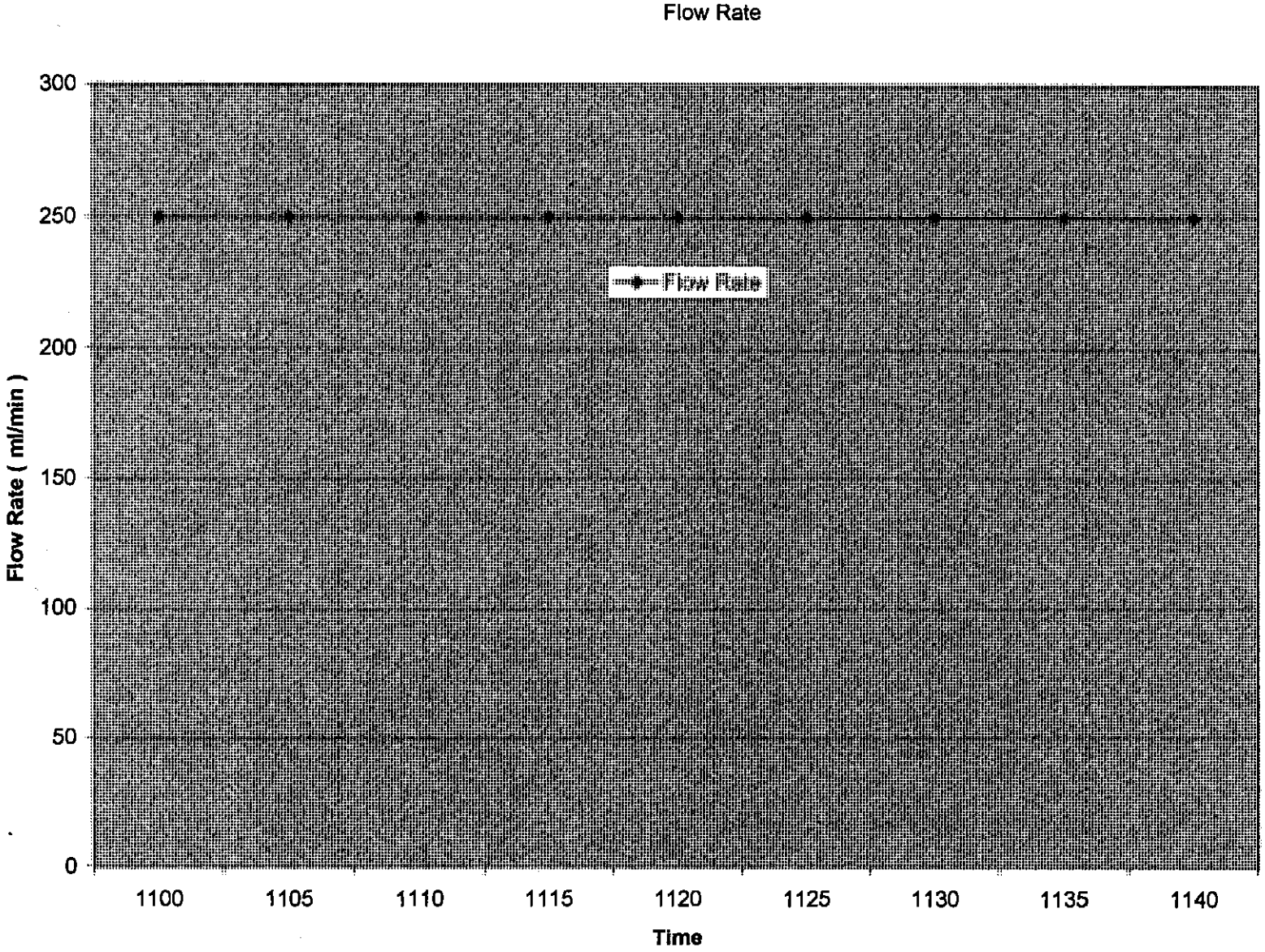


CW6MW01
Permit #: 29-30970
8/28/00

Depth to Water.



CW6MW01
Permit #: 29-30970
8/28/00



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6
MW#: 0CW6MW02
NJDEP ID#29-30971
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 09/01/00
WEATHER: Overcast.
TIDE: N/A
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 2.1 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:147.0 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 5.05 ft
Before Purge Start: 5.05 ft **Previous Day: 5.00 ft** **After Sampling: 4.90 ft**
DEPTH OF WELL: 16.80 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: 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: 09:00
pH 4.91 su
TEMP 19.99 °C
DISSOLVED O_2 999.99 mg/L
SPECIFIC CONDUCTIVITY 2574 ms/cm

PURGE END TIME: 12:20
pH 4.85 su
TEMP 20.22 °C
DISSOLVED O_2 999.99 mg/L
SPECIFIC CONDUCTIVITY 2431 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 4.90 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 12:21
pH 4.83 su
TEMP 20.42 °C
DISSOLVED O_2 999.99 mg/L
SPECIFIC CONDUCTIVITY 2480 ms/cm

SAMPLE END TIME: 12:30
ANALYTES: TAL Metals/Pest
COMMENTS:

FIELD READINGS

MW: 0CW6MW02
NJDEP ID#: 29-30971
DATE: 9/01/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
9:00	4.95	19.99	2327	2574	999.99	>1000	5.1	250	
9:05	4.91	20.44	2333	2556	999.99	498	5.25	250	
9:10	4.93	20.27	2308	2537	999.99	>1000	5.25	250	
9:15	4.95	20.49	2310	2527	999.99	>1000	5.25	250	
9:20	4.94	20.59	2301	2512	999.99	>1000	5.25	250	
9:25	4.93	20.64	2304	2513	999.99	>1000	5.25	250	
9:30	4.93	20.81	2293	2493	999.99	>1000	5.25	250	
9:35	4.92	20.85	2291	2489	999.99	>1000	5.25	250	
9:40	4.91	20.89	2284	2479	999.99	>1000	5.25	250	
9:45	4.9	21.06	2276	2461	999.99	>1000	5.25	250	
9:50	4.87	21.18	2269	2447	999.99	>1000	5.25	250	
9:55	4.88	21.46	2254	2417	999.99	>1000	5.25	250	
10:00	4.89	20.85	2247	2490	999.99	>1000	5.25	250	
10:05	4.89	20.84	2234	2427	999.99	976	5.25	250	
10:10	4.99	21.17	2278	2458	999.99	902	5.25	250	
10:15	5.35	21.35	2524	2713	999.99	890	5.25	250	
10:20	5.33	22.79	2488	2597	999.99	787	5.25	250	
10:25	5.35	23.09	2550	2647	999.99	720	5.25	250	
10:30	5.13	21.92	2316	2461	999.99	615	5.25	250	
10:35	4.89	20.62	2189	2389	999.99	530	5.25	250	
10:40	4.86	20.75	2191	2384	999.99	453	5.25	250	
10:45	4.9	20.94	2178	2361	999.99	609	5.25	250	
10:50	5.02	20.26	2223	2444	999.99	712	5.25	250	
10:55	5.19	19.75	2157	2398	999.99	789	5.25	250	
11:00	5.1	19.66	2153	2398	999.99	856	5.25	250	
11:05	5.22	19.71	2165	2408	999.99	907	5.25	250	
11:10	5.04	24.56	1274	1284	0.00	984	5.25	250	
11:15	4.85	19.98	2207	2441	999.99	>1000	5.25	250	
11:20	4.82	19.89	2183	2420	999.99	>1000	5.25	250	
11:25	5.04	20.51	2212	2420	999.99	>1000	5.25	250	
11:30	4.94	21.02	2193	2374	999.99	>1000	5.25	250	
11:35	4.91	20.68	2139	2332	999.99	347	5.25	250	
11:40	4.87	20	2132	2357	999.99	362	5.25	250	
11:45	4.86	20.01	2168	2396	999.99	477	5.25	250	
11:50	4.88	20.07	2178	2404	999.99	357	5.25	250	
11:55	4.87	20.5	2182	2387	999.99	369	5.25	250	
12:00	4.87	21.01	2207	2389	999.99	343	5.25	250	
12:05	4.88	20.91	2206	2393	999.99	362	5.25	250	
12:10	4.89	20.82	2197	2388	999.99	559	5.25	250	
12:15	4.85	20.22	2209	2431	999.99	340	5.25	250	
12:20	4.83	20.42	2203	2480	999.99	>1000	5.25	250	

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
900	1000.00	5.1	250
905	498.00	5.25	250
910	1000.00	5.25	250
915	1000.00	5.25	250
920	1000.00	5.25	250
925	1000.00	5.25	250
930	1000.00	5.25	250
935	1000.00	5.25	250
940	1000.00	5.25	250
945	1000.00	5.25	250
950	1000.00	5.25	250
955	1000.00	5.25	250
1000	1000.00	5.25	250
1005	976.00	5.25	250
1010	902.00	5.25	250
1015	890.00	5.25	250
1020	787.00	5.25	250
1025	720.00	5.25	250
1030	615	5.25	250
1035	530	5.25	250
1040	453	5.25	250
1045	669	5.25	250
1050	712	5.25	250
1055	789	5.25	250
1100	856	5.25	250
1105	907	5.25	250
1110	984	5.25	250
1115	1000	5.25	250
1120	1000	5.25	250
1125	1000	5.25	250
1130	1000	5.25	250
1135	347	5.25	250
1140	362	5.25	250
1145	477	5.25	250
1150	357	5.25	250
1155	369	5.25	250
1200	343	5.25	250
1205	362	5.25	250
1210	559	5.25	250
1215	340	5.25	250
1220	1000	5.25	250

Cw6mw02

CW6MW02 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

From 09/01/00 09:00 to 09/01/00 12:20
Number of samples: 41

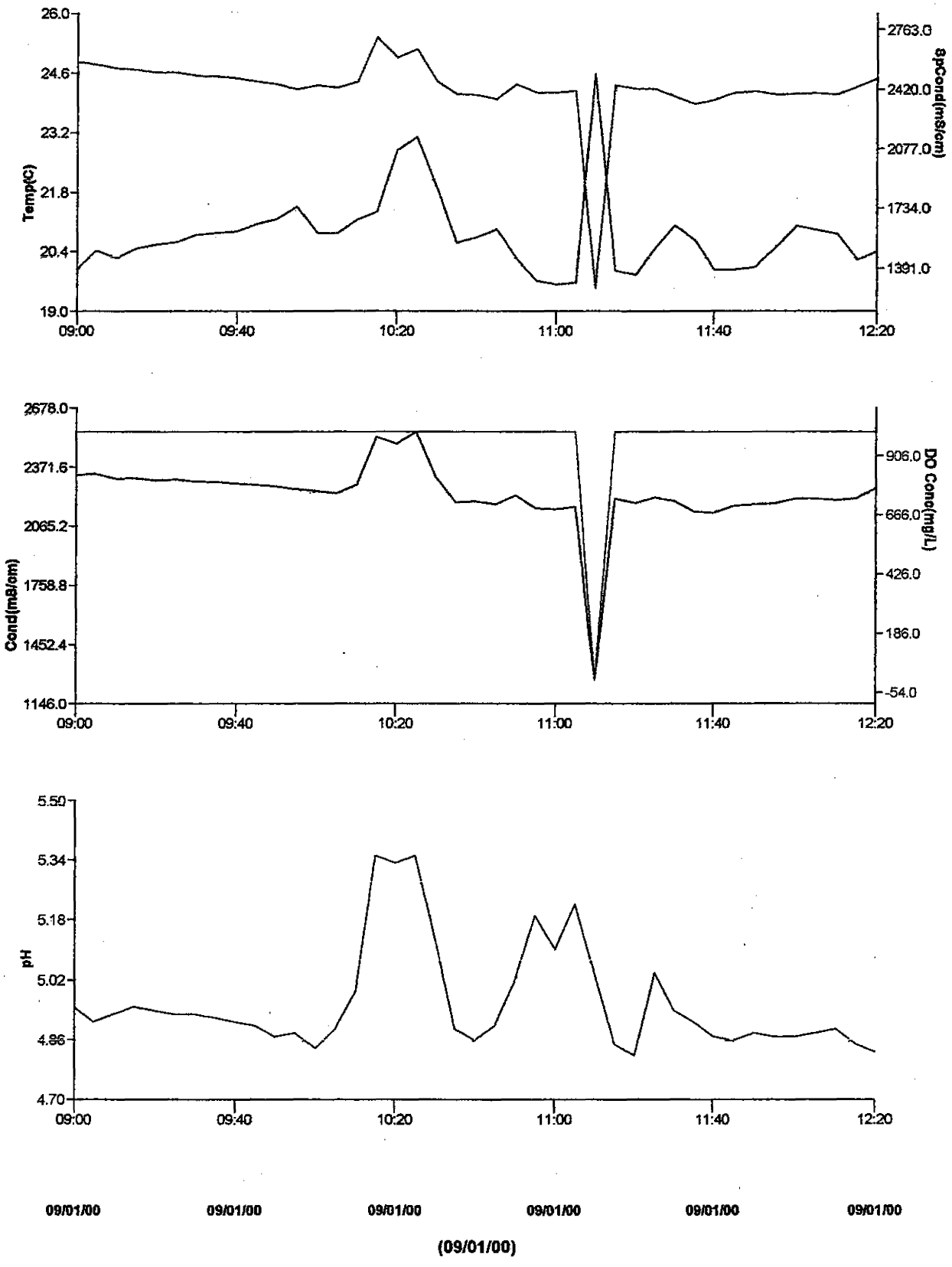
09/01/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
09/01/00 09:00	19.992	574.000	232	7.000	999.99	4.95
09/01/00 09:05	20.442	556.000	233	3.000	999.99	4.91
09/01/00 09:10	20.272	537.000	230	8.000	999.99	4.93
09/01/00 09:15	20.492	527.000	231	0.000	999.99	4.95
09/01/00 09:20	20.592	512.000	230	1.000	999.99	4.94
09/01/00 09:25	20.642	513.000	230	4.000	999.99	4.93
09/01/00 09:30	20.812	493.000	229	3.000	999.99	4.93
09/01/00 09:35	20.852	489.000	229	1.000	999.99	4.92
09/01/00 09:40	20.892	479.000	228	4.000	999.99	4.91
09/01/00 09:45	21.062	461.000	227	6.000	999.99	4.90
09/01/00 09:50	21.182	447.000	226	9.000	999.99	4.87
09/01/00 09:55	21.462	417.000	225	4.000	999.99	4.88
09/01/00 10:00	20.852	440.000	224	7.000	999.99	4.84
09/01/00 10:05	20.842	427.000	223	4.000	999.99	4.89
09/01/00 10:10	21.172	458.000	227	8.000	999.99	4.99
09/01/00 10:15	21.352	713.000	252	4.000	999.99	5.35
09/01/00 10:20	22.792	597.000	248	8.000	999.99	5.33
09/01/00 10:25	23.092	647.000	255	0.000	999.99	5.35
09/01/00 10:30	21.922	461.000	231	6.000	999.99	5.13
09/01/00 10:35	20.622	389.000	218	9.000	999.99	4.89
09/01/00 10:40	20.752	384.000	219	1.000	999.99	4.86
09/01/00 10:45	20.942	361.000	217	8.000	999.99	4.90
09/01/00 10:50	20.262	444.000	222	3.000	999.99	5.02
09/01/00 10:55	19.752	398.000	215	7.000	999.99	5.19
09/01/00 11:00	19.662	398.000	215	3.000	999.99	5.10
09/01/00 11:05	19.712	408.000	216	5.000	999.99	5.22
09/01/00 11:10	24.561	284.000	127	4.000	0.00	5.04
09/01/00 11:15	19.982	441.000	220	7.000	999.99	4.85
09/01/00 11:20	19.892	420.000	218	3.000	999.99	4.82
09/01/00 11:25	20.512	420.000	221	2.000	999.99	5.04
09/01/00 11:30	21.022	374.000	219	3.000	999.99	4.94
09/01/00 11:35	20.682	332.000	213	9.000	999.99	4.91
09/01/00 11:40	20.002	357.000	213	2.000	999.99	4.87
09/01/00 11:45	20.012	396.000	216	8.000	999.99	4.86
09/01/00 11:50	20.072	404.000	217	8.000	999.99	4.88

Cw6mw02

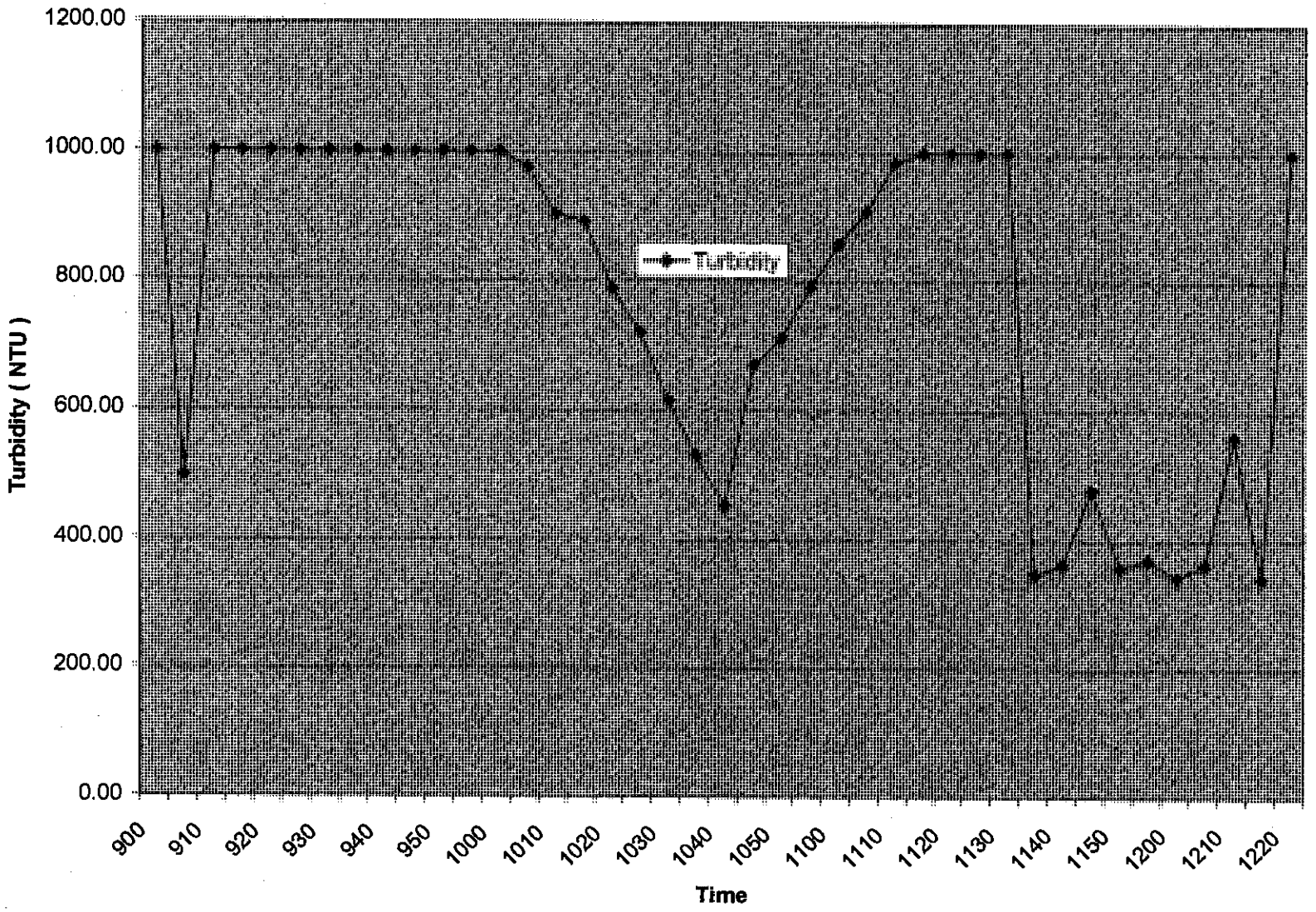
09/01/00 11:55	20.502387.0002182.000	999.99	4.87
09/01/00 12:00	21.012389.0002207.000	999.99	4.87
09/01/00 12:05	20.912393.0002206.000	999.99	4.88
09/01/00 12:10	20.822388.0002197.000	999.99	4.89
09/01/00 12:15	20.222431.0002209.000	999.99	4.85
09/01/00 12:20	20.422480.0002263.000	999.99	4.83

CW6MW02 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH

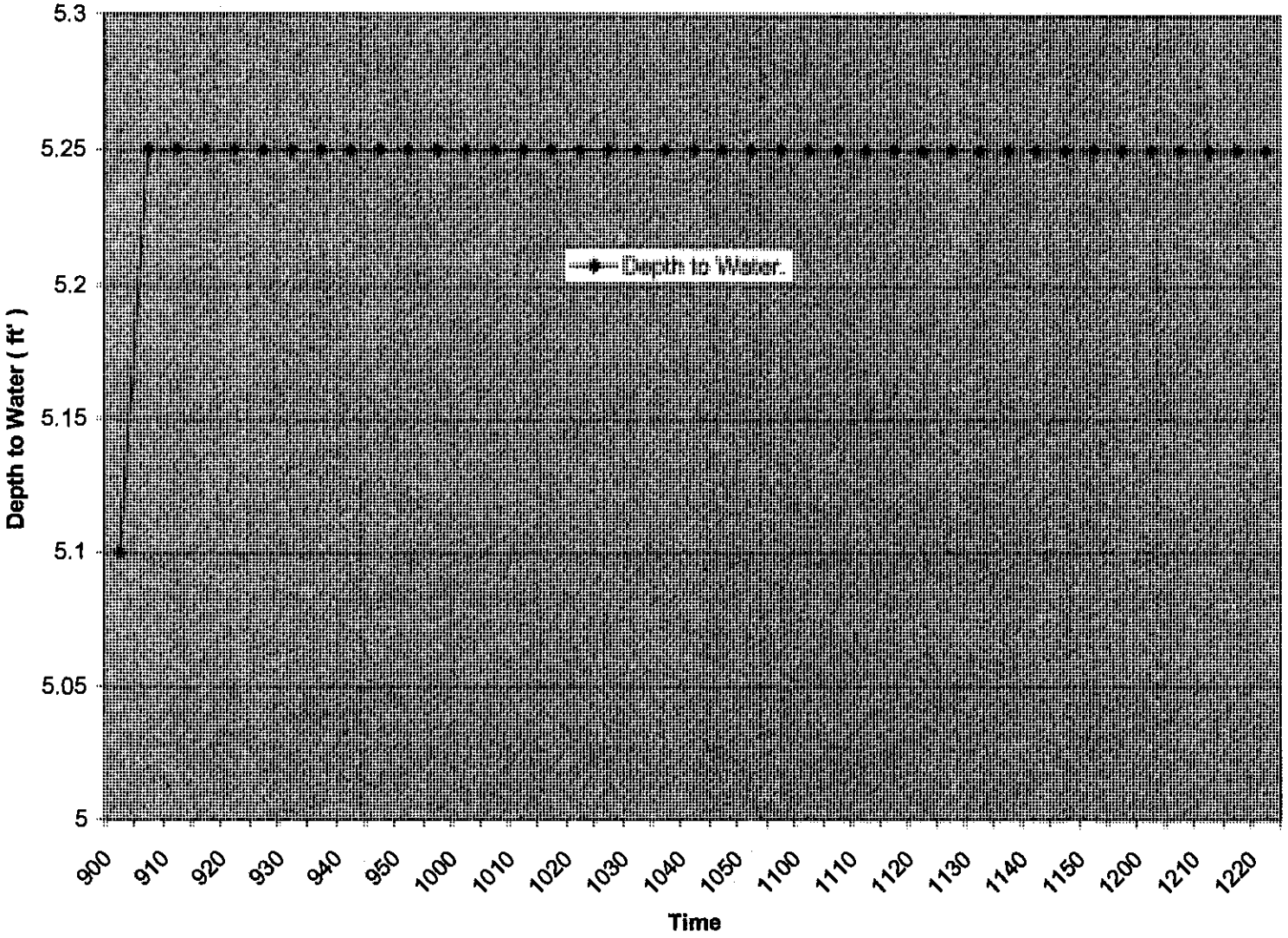


CW6MW02
Permit #: 29-30971
9/1/00

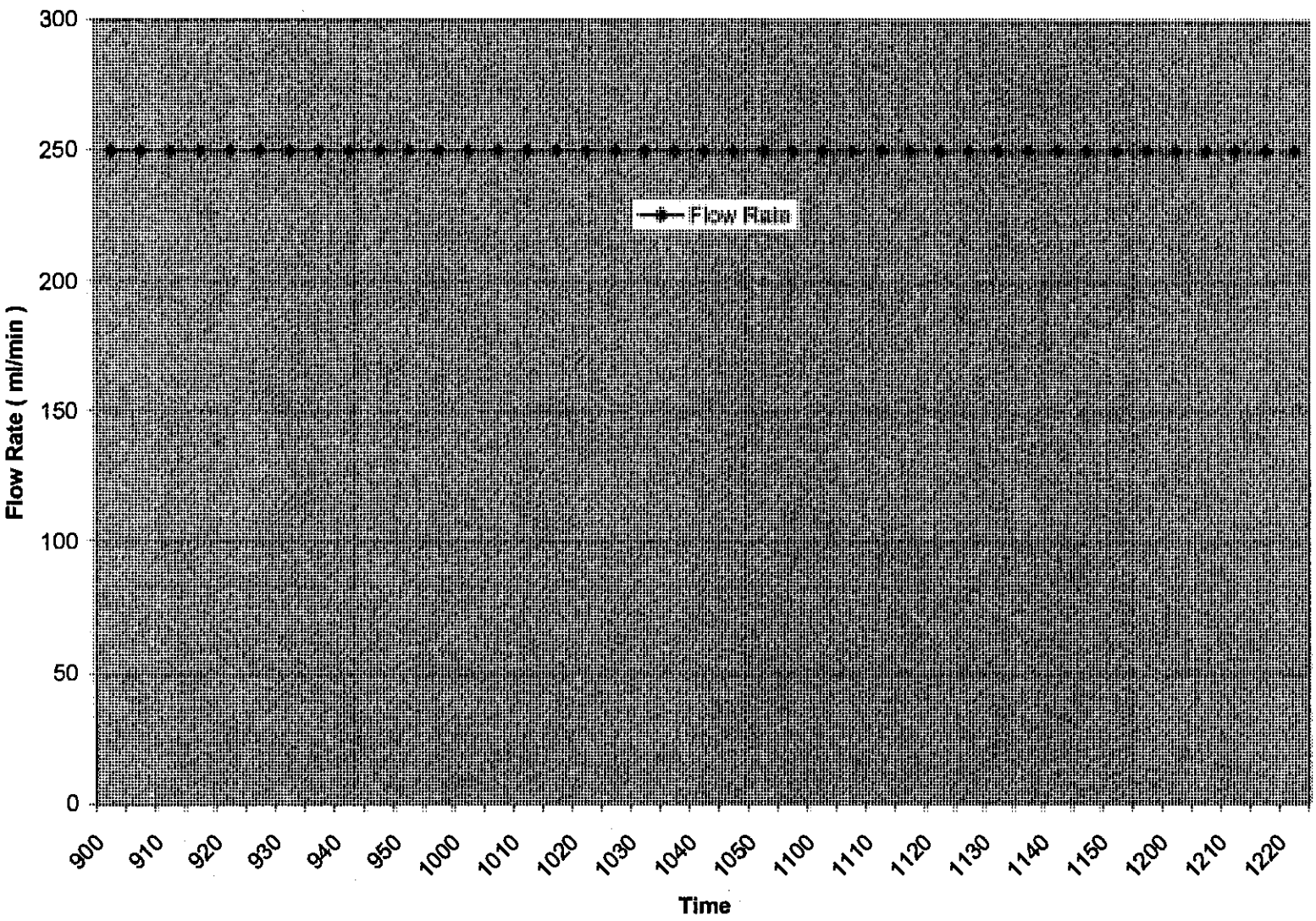


CW6MW02
Permit #: 29-30971
9/1/00

Depth to Water.



CW6MW02
Permit #: 29-30971
9/1/00



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6
MW#: 0CW6MW03
NJDEP ID#29-30972
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 08/28/00
WEATHER: Cloudy
TIDE: N/A

Hnu Calibration: Span 2.1 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:147.0 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

WELL CONDITION: Top part is bent.
LNAPLs: N
DNAPLs: N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 5.55 ft
Before Purge Start: 5.55 ft **Previous Day: 5.50 ft** **After Sampling: 5.55 ft**
DEPTH OF WELL: 15 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE:11 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 210 mL/Min or Gal/Min. (ml to gal.: ml(.0002642)=gal)
PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

PURGE START TIME: 12:30
pH 4.76 su
TEMP 19.32 °C
DISSOLVED O_2 0.61 mg/L
SPECIFIC CONDUCTIVITY 213.2 ms/cm

PURGE END TIME: 13:19
pH 4.50 su
TEMP 19.95 °C
DISSOLVED O_2 0.28 mg/L
SPECIFIC CONDUCTIVITY 176.1 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 5.55 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 13:11
pH 4.51 su
TEMP 20.00 °C
DISSOLVED O_2 0.27 mg/L
SPECIFIC CONDUCTIVITY 176.0 ms/cm

SAMPLE END TIME: 13:18
ANALYTES: TAL Metals/Pest
COMMENTS:

FIELD READINGS

MW: 0CW6MW03
NJDEP ID#: 29-30972
DATE: 8/28/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
12:30	4.76	19.32	190	213.2	0.61	3.37	5.55	210	Clear
12:35	4.61	19.47	170	190.1	0.45	1.94	5.55	210	Clear
12:40	4.57	19.6	159.6	178	0.45	0.95	5.55	210	Clear
12:45	4.53	19.57	158.3	176.7	0.39	0.77	5.55	210	Clear
12:50	4.52	19.51	158.1	176.6	0.35	0.7	5.55	210	Clear
12:55	4.53	19.58	158	176.2	0.32	0.95	5.55	210	Clear
13:00	4.5	19.67	158.1	176	0.3	0.97	5.55	210	Clear
13:05	4.5	19.95	159.1	176.1	0.28	0.83	5.55	210	Clear
13:10	4.51	20	159.2	176	0.27	1.13	5.55	210	Clear

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1230	3.37	5.55	210
1235	1.94	5.55	210
1240	0.95	5.55	210
1245	0.77	5.55	210
1250	0.70	5.55	210
1255	0.95	5.55	210
1300	0.97	5.55	210
1305	0.83	5.55	210
1310	1.13	5.55	210

Cw6mw3

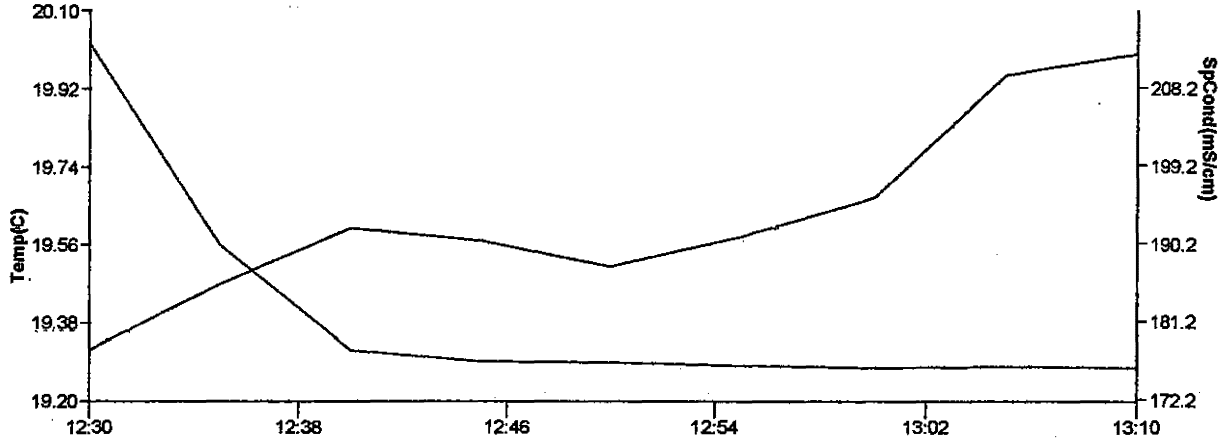
CW6MW3 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

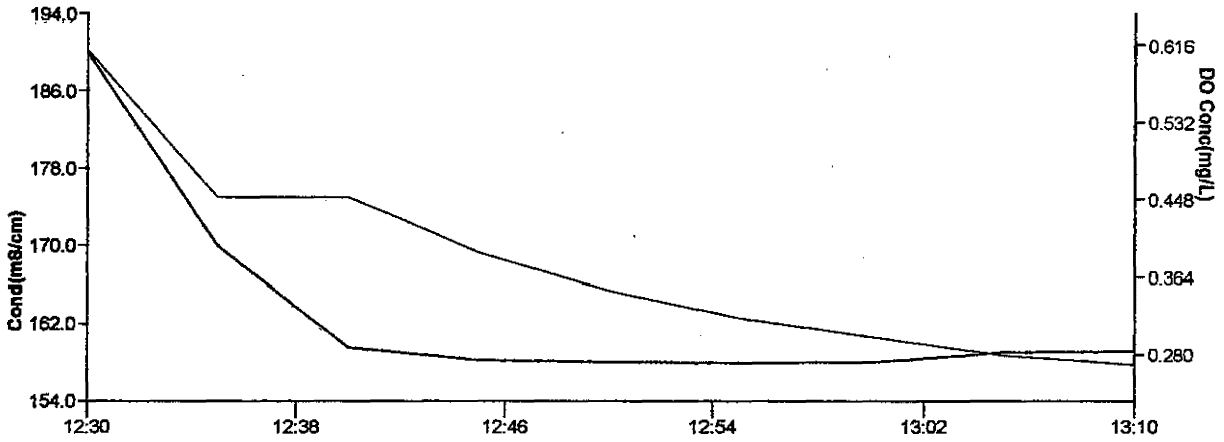
From 08/28/00 12:30 to 08/28/00 13:10
Number of samples: 9

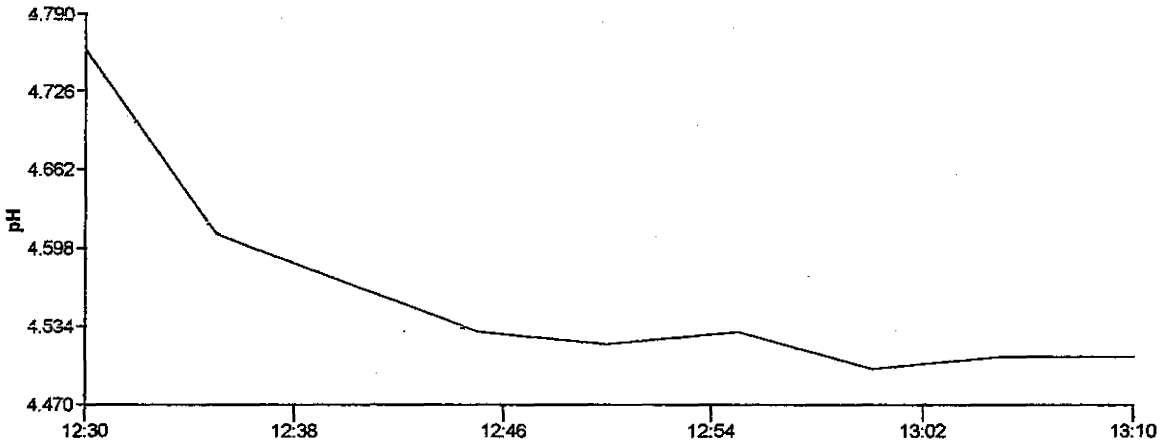
08/28/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
08/28/00 12:30	19.32	213.200	190.000	0.61	4.76
08/28/00 12:35	19.47	190.100	170.000	0.45	4.61
08/28/00 12:40	19.60	178.000	159.600	0.45	4.57
08/28/00 12:45	19.57	176.700	158.300	0.39	4.53
08/28/00 12:50	19.51	176.600	158.100	0.35	4.52
08/28/00 12:55	19.58	176.200	158.000	0.32	4.53
08/28/00 13:00	19.67	176.000	158.100	0.30	4.50
08/28/00 13:05	19.95	176.100	159.100	0.28	4.51
08/28/00 13:10	20.00	176.000	159.200	0.27	4.51

CW6MW3 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH





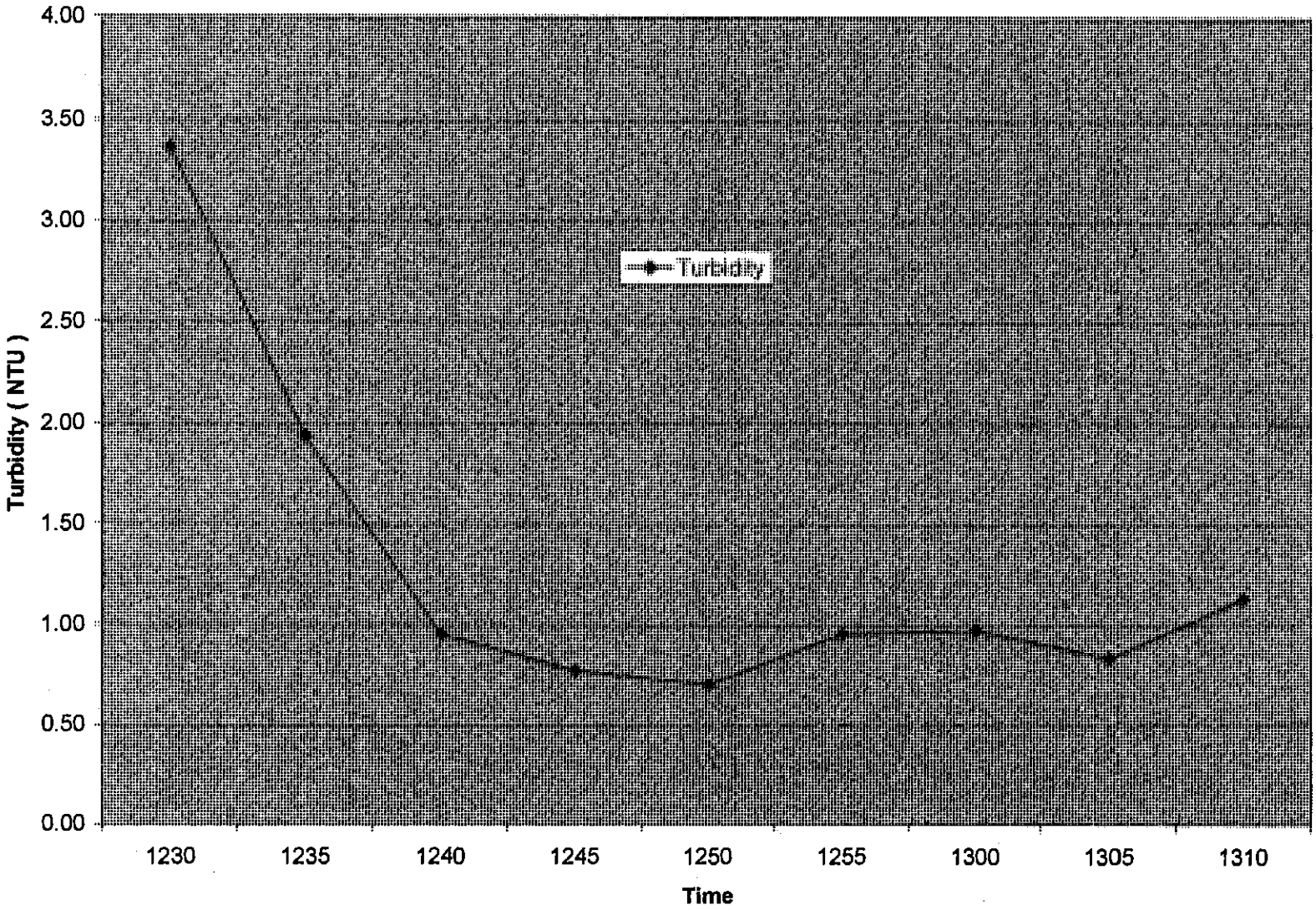


08/28/00 08/28/00 08/28/00 08/28/00 08/28/00 08/28/00

(08/28/00)

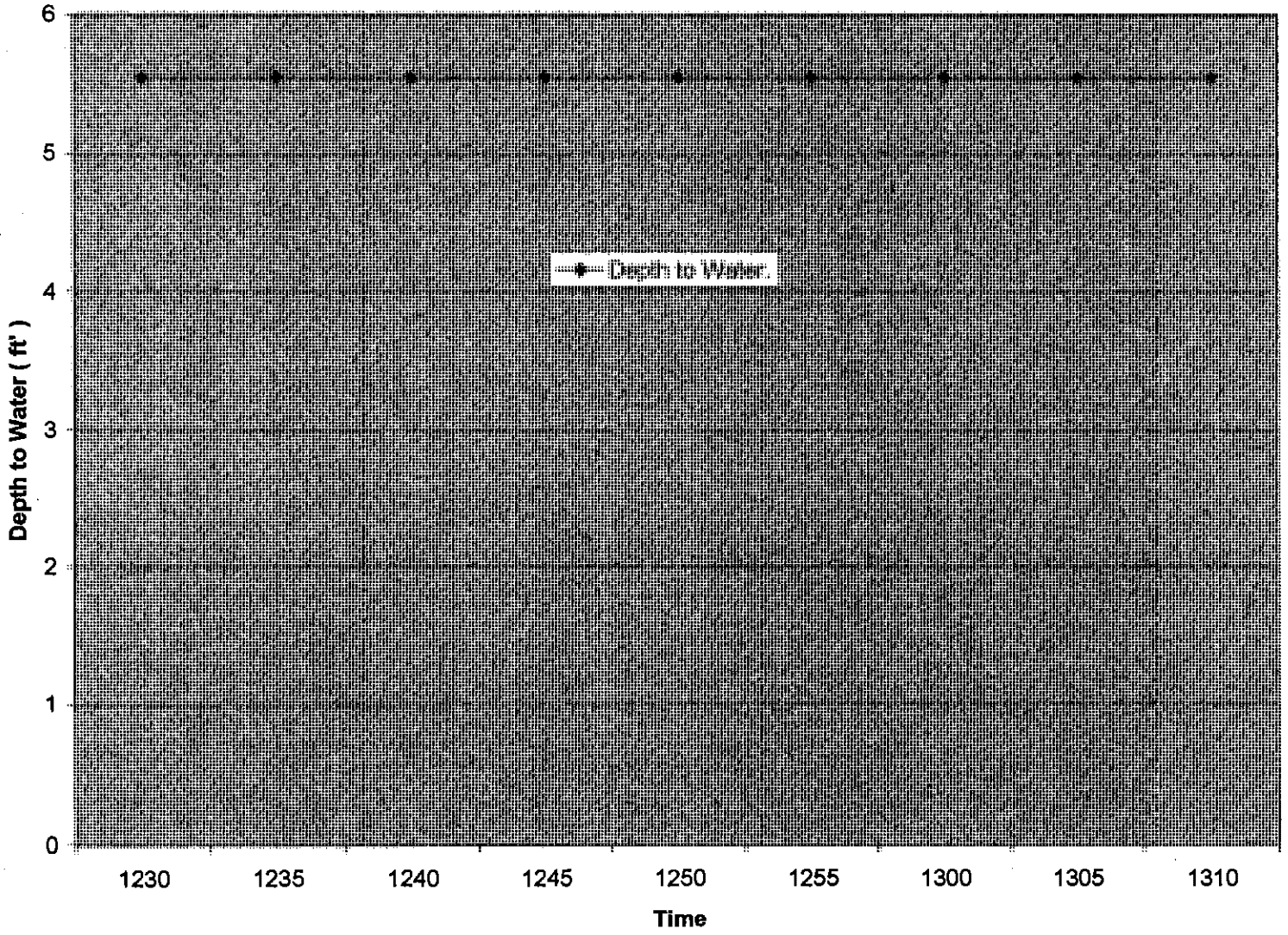
CW6MW03
Permit #: 29-30972
8/28/00

Turbidity



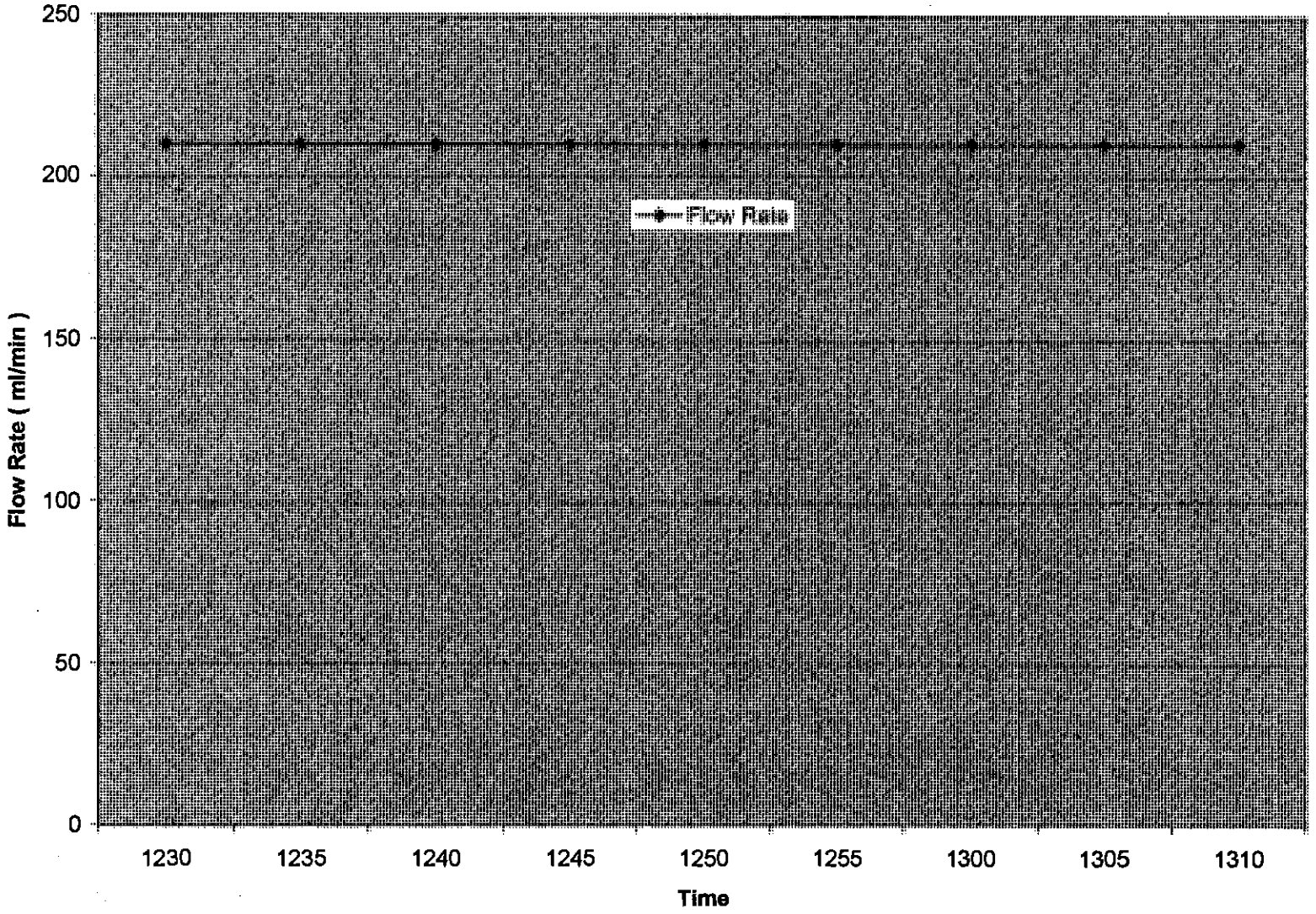
CW6MW03
Permit #: 29-30972
8/28/00

Depth to Water.



CW6MW03
Permit #: 29-30972
8/28/00

Flow Rate



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6
MW#: 0CW6MW34
NJDEP ID#29-32599
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 08/28/00
WEATHER: Cloudy
TIDE: N/A
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 2.3 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: 5.15 ft
Before Purge Start: 5.15 ft **Previous Day: 5.10 ft** **After Sampling: 5.35 ft**
DEPTH OF WELL: 16.9 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE:12.9 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 240 mL/Min or Gal/Min. (ml to gal.: ml(.0002642)=gal)
PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

PURGE START TIME: 09:20
pH 5.85 su
TEMP 18.31 °C
DISSOLVED O_2 1.24 mg/L
SPECIFIC CONDUCTIVITY 220.7 ms/cm

PURGE END TIME: 10:10
pH 5.55 su
TEMP 17.56 °C
DISSOLVED O_2 0.15 mg/L
SPECIFIC CONDUCTIVITY 211.6 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 5.35 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 10:01
pH 5.53 su
TEMP 17.70 °C
DISSOLVED O_2 0.16 mg/L
SPECIFIC CONDUCTIVITY 210.2 ms/cm

SAMPLE END TIME: 10:09
ANALYTES: TAL Metals/Pest
COMMENTS:

FIELD READINGS

MW: 0CW6MW34
NJDEP ID#: 29-32599
DATE: 8/28/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
9:20	5.85	18.31	192.5	220.7	1.24	14.1	5.1	240	
9:25	5.66	17.71	189.2	219.8	0.24	11.1	5.1	240	
9:30	5.65	17.68	188.7	219.4	0.19	9.02	5.1	240	
9:35	5.63	17.41	186.9	218.6	0.12	8.76	5.1	240	
9:40	5.62	17.38	185.5	217.1	0.14	9.92	5.1	240	
9:45	5.59	17.5	185	215.9	0.15	9.77	5.35	240	
9:50	5.57	17.54	184.6	215.3	0.15	9.45	5.35	240	
9:55	5.55	17.56	181.5	211.6	0.15	9.24	5.35	240	
10:00	5.53	17.7	180.9	210.2	0.16	9.24	5.35	240	

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
920	14.10	5.1	240
925	11.10	5.1	240
930	9.02	5.1	240
935	8.76	5.1	240
940	9.92	5.1	240
945	9.77	5.35	240
950	9.45	5.35	240
955	9.24	5.35	240
1000	9.24	5.35	240

Cw6mw34

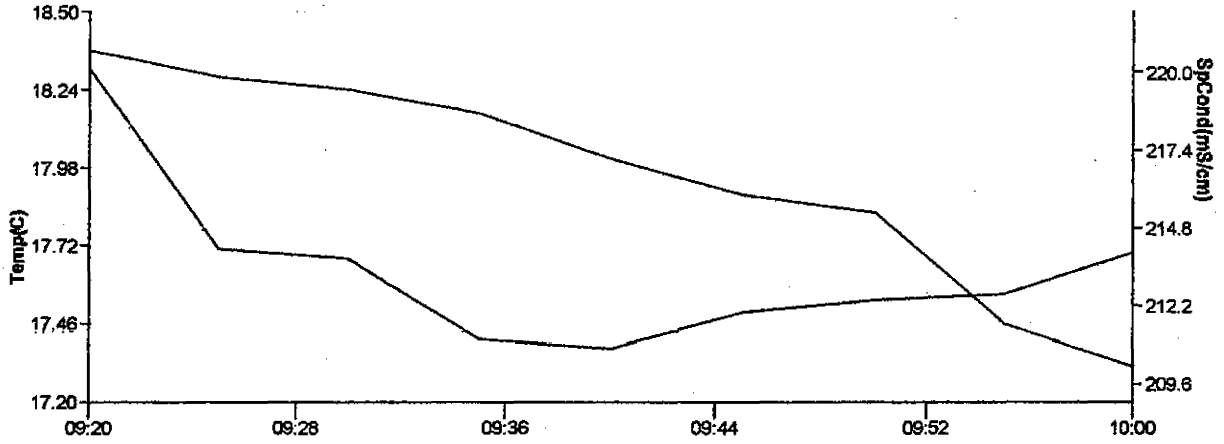
CW6MW34 Low Flow Data For
Temp. Sp. Cond., Cond., D.O., pH
-- Data Report --

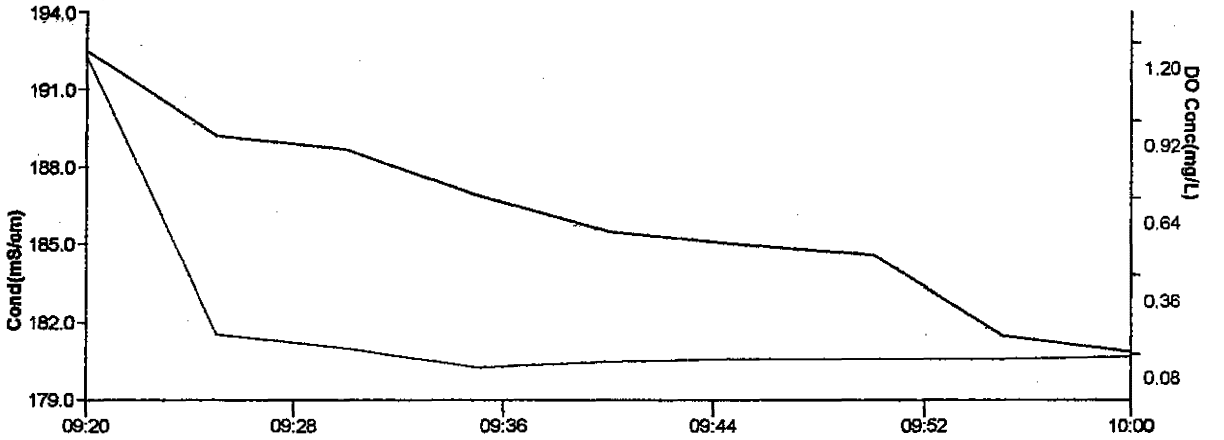
From 08/28/00 09:20 to 08/28/00 10:00
Number of samples: 9

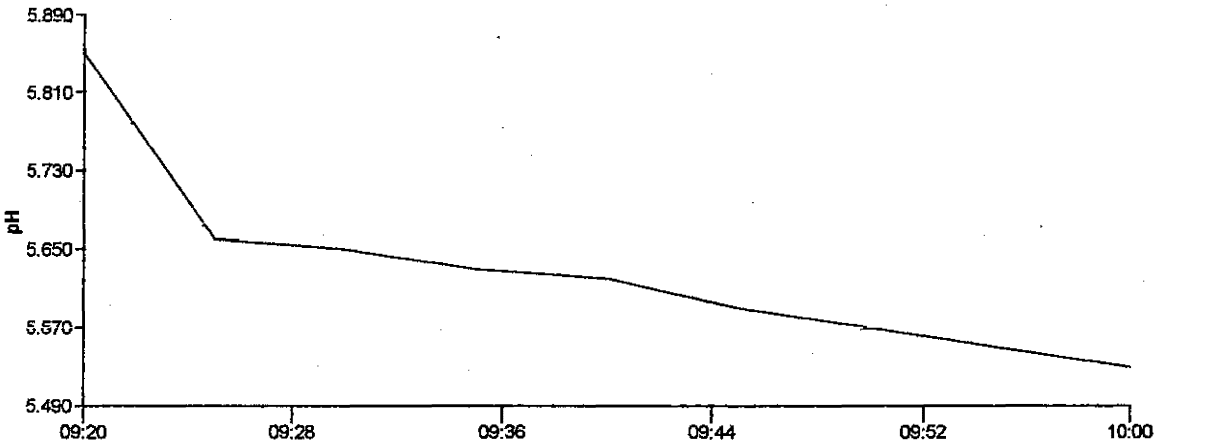
08/28/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
08/28/00 09:20	18.31	220.700	192.500	1.24	5.85
08/28/00 09:25	17.71	219.800	189.200	0.24	5.66
08/28/00 09:30	17.68	219.400	188.700	0.19	5.65
08/28/00 09:35	17.41	218.600	186.900	0.12	5.63
08/28/00 09:40	17.38	217.100	185.500	0.14	5.62
08/28/00 09:45	17.50	215.900	185.000	0.15	5.59
08/28/00 09:50	17.54	215.300	184.600	0.15	5.57
08/28/00 09:55	17.56	211.600	181.500	0.15	5.55
08/28/00 10:00	17.70	210.200	180.900	0.16	5.53

CW6MW34 Low Flow Data For

Temp. Sp. Cond., Cond., D.O., pH



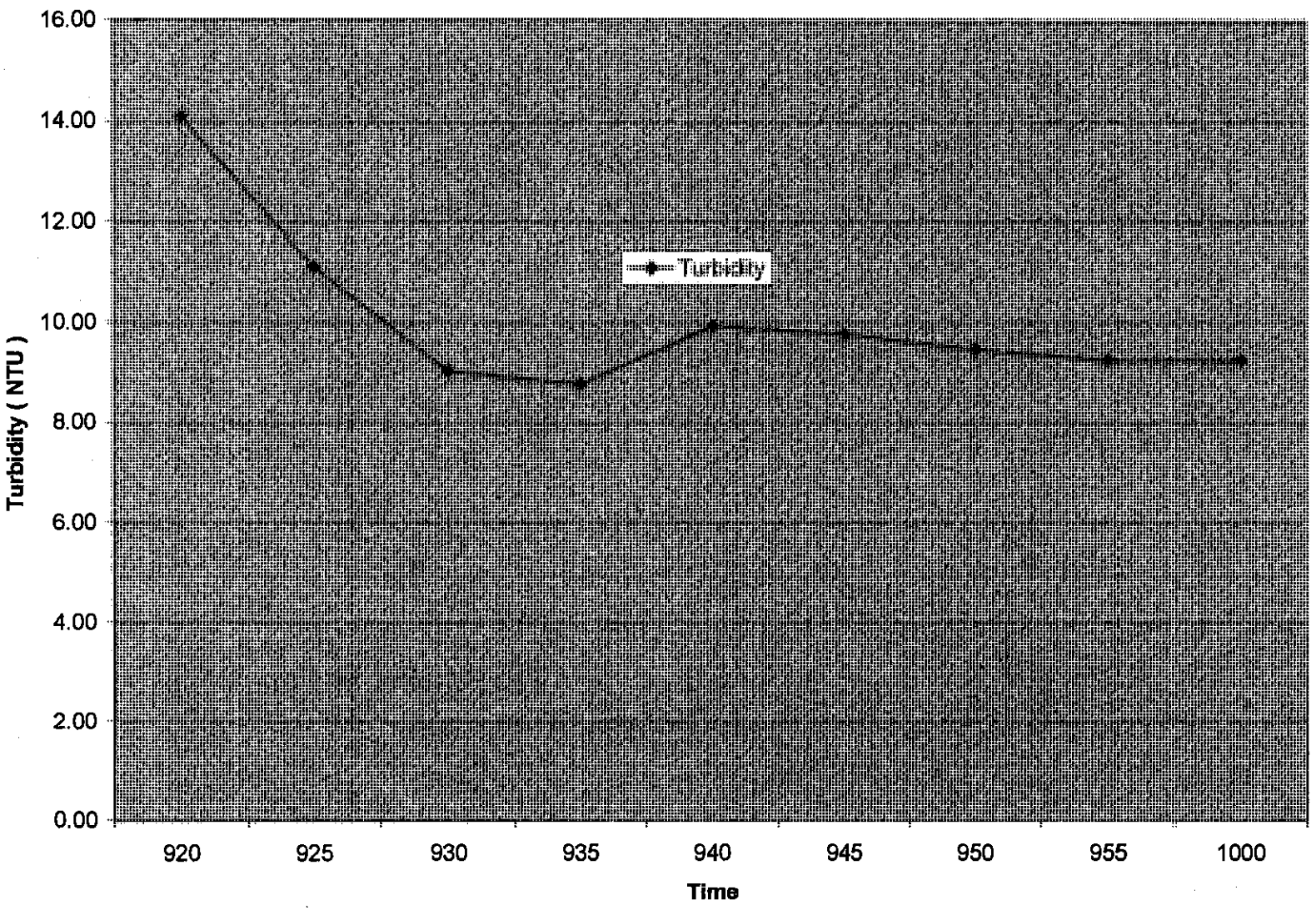




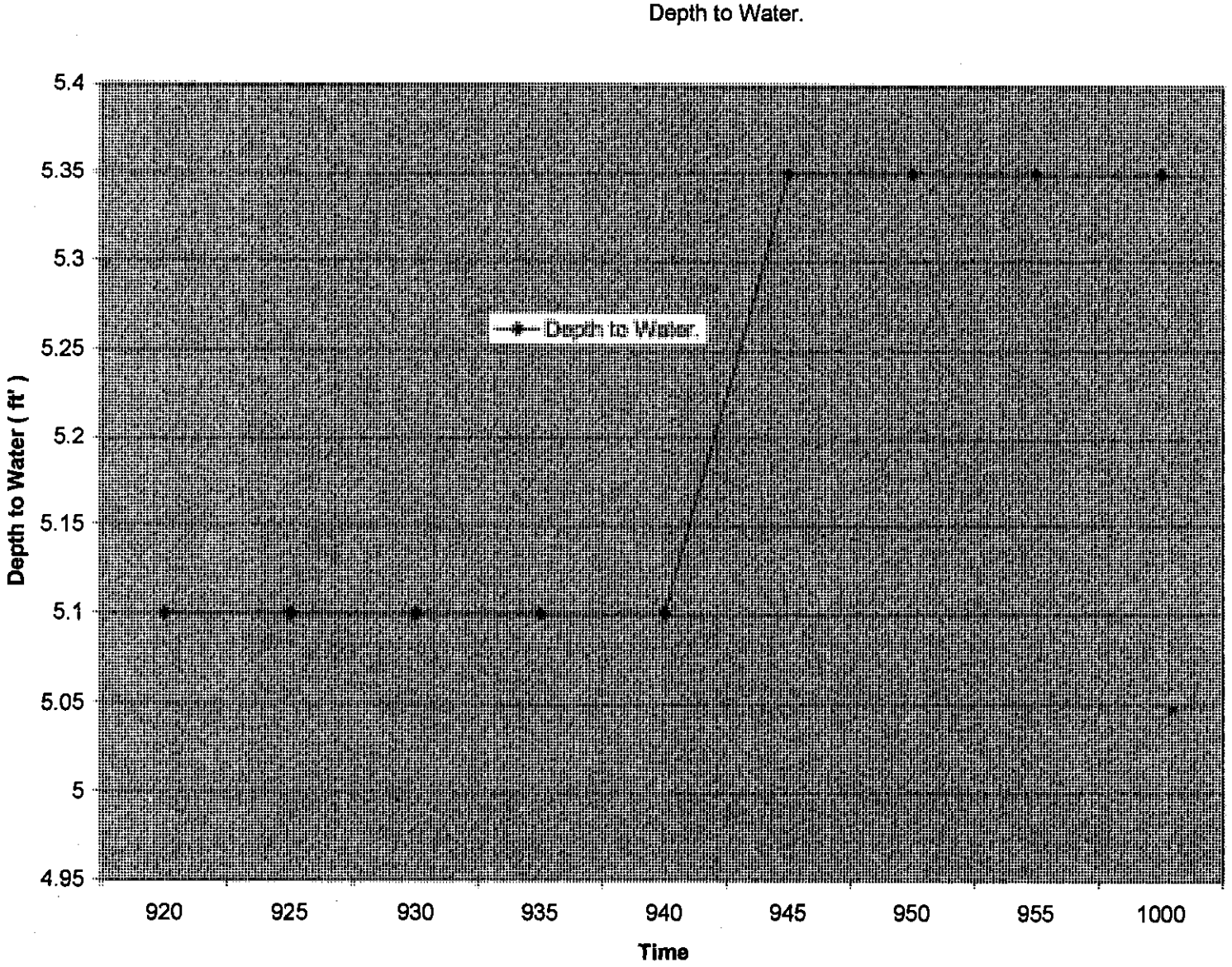
08/28/00 08/28/00 08/28/00 08/28/00 08/28/00 08/28/00

(08/28/00)

CW6MW34
Permit #: 29-32599
8/28/00

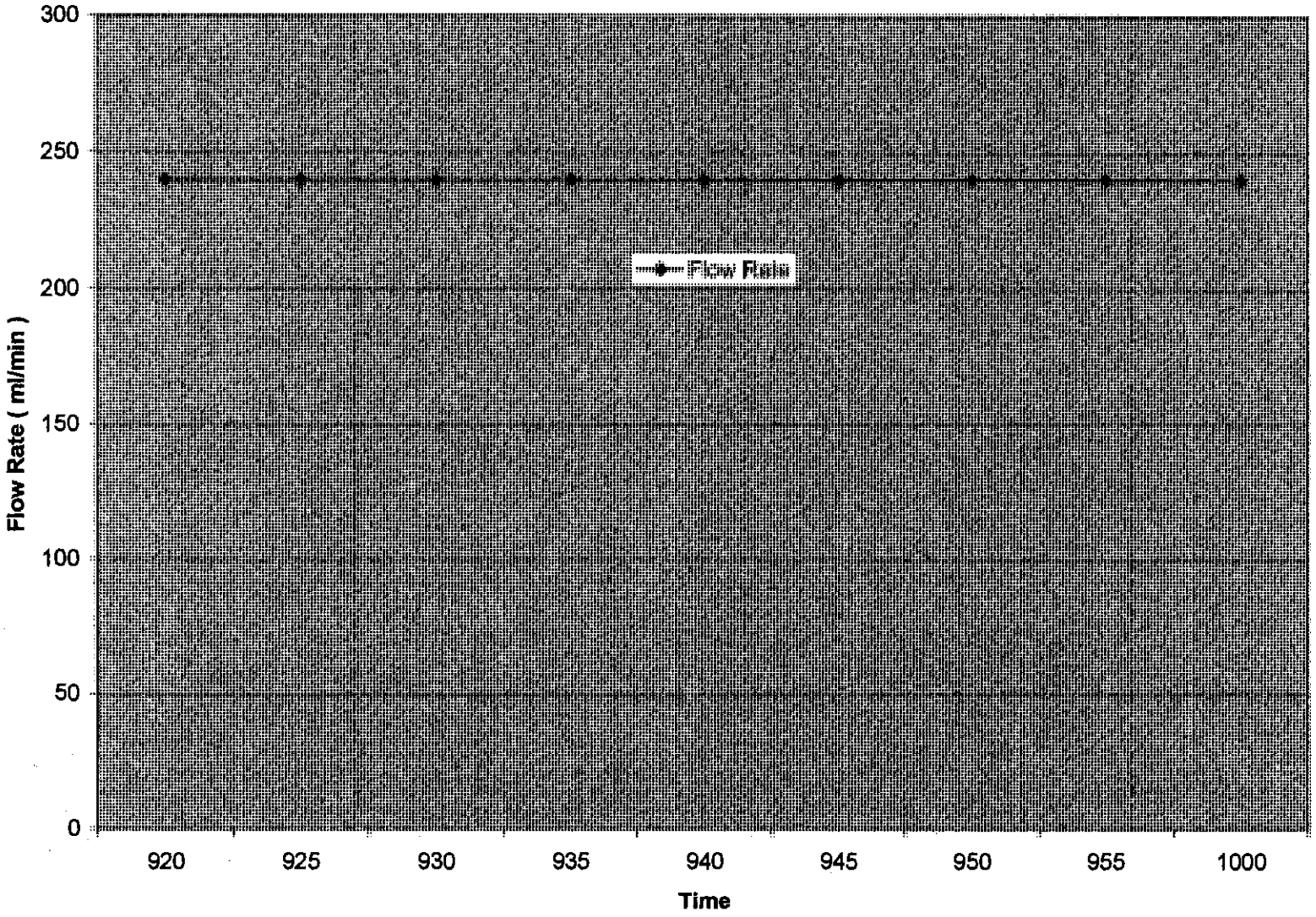


CW6MW34
Permit #: 29-32599
8/28/00



CW6MW34
Permit #: 29-32599
8/28/00

Flow Rate



PESTICIDES

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

Client :	U.S. Army	**Lab. ID # :**	PBLK576
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	9/1/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/7/00
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**

* Higher of PQL's and ground water criteria 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 # :**	PBLK580
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**

* Higher of PQL's and ground water criteria 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 # :**	5665.01
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/28/00
	Bldg. 173	**Extraction Date:**	9/1/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/7/00
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	FB
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**

* Higher of PQL's and ground water criteria 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 # :**	5684.01
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/1/00
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	CW6MW2
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	FB
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**

* Higher of PQL's and ground water criteria 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 # :**	5684.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/1/00
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	CW6MW2
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	FD
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**

* Higher of PQL's and ground water criteria 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 # :**	5665.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/28/00
	Bldg. 173	**Extraction Date:**	9/1/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/7/00
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW1
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**

* Higher of PQL's and ground water criteria 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 # :**	5684.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	9/1/00
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	CW6MW2
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW02
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**

* Higher of PQL's and ground water criteria 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 # :**	5665.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/28/00
	Bldg. 173	**Extraction Date:**	9/1/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/7/00
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW3
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**

* Higher of PQL's and ground water criteria 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 # :**	5665.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/28/00
	Bldg. 173	**Extraction Date:**	9/1/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/7/00
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW34
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**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

METALS

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

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

Lab ID #: 5665
Sample Prepared: 09/07/00

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	30	200	10.0
Antimony	09/07/00	ND	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	ND	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	120	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	15.0	300	10.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	ND	NLE	10.0
Manganese	09/07/00	ND	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	ND	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	890	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	19.0	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 5684
Sample Prepared: 09/18/00

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	53.8	200	10.0
Antimony	09/19/00	ND	20	2.0
Arsenic	09/19/00	ND	8	2.0
Barium	09/19/00	ND	2000	0.5
Beryllium	09/19/00	ND	20	0.5
Cadmium	09/19/00	ND	4	0.5
Calcium	09/19/00	99.2	NLE	20.0
Chromium	09/19/00	ND	100	0.5
Cobalt	09/19/00	ND	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	58.6	300	10.0
Lead	09/19/00	ND	10	2.0
Magnesium	09/19/00	ND	NLE	20.0
Manganese	09/19/00	ND	50	0.5
Mercury	09/18/00	ND	2	0.1
Nickel	09/19/00	ND	100	0.5
Potassium	09/19/00	ND	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	ND	20	3.0
Sodium	09/19/00	112	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	ND	NLE	1.0
Zinc	09/19/00	17.8	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 5665.01
Sample Received: 08/28/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	ND	200	10.0
Antimony	09/07/00	ND	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	ND	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	33.9	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	6.58	300	2.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	ND	NLE	10.0
Manganese	09/07/00	ND	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	ND	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	ND	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	17.6	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 #: 5684.01
Sample Received: 09/01/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	ND	200	10.0
Antimony	09/19/00	ND	20	2.0
Arsenic	09/19/00	ND	8	2.0
Barium	09/19/00	ND	2000	0.5
Beryllium	09/19/00	ND	20	0.5
Cadmium	09/19/00	ND	4	0.5
Calcium	09/19/00	ND	NLE	20.0
Chromium	09/19/00	ND	100	0.5
Cobalt	09/19/00	ND	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	ND	300	10.0
Lead	09/19/00	ND	10	2.0
Magnesium	09/19/00	ND	NLE	20.0
Manganese	09/19/00	ND	50	0.5
Mercury	09/18/00	ND	2	0.1
Nickel	09/19/00	ND	100	0.5
Potassium	09/19/00	ND	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	ND	20	3.0
Sodium	09/19/00	ND	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	ND	NLE	1.0
Zinc	09/19/00	ND	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 5665.02
Sample Received: 08/28/00
Sample Matrix: Aqueous

Site: CW-6
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	09/07/00	388	200	10.0
Antimony	09/07/00	ND	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	38.2	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	16800	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	1.72	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	1830	300	10.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	3630	NLE	10.0
Manganese	09/07/00	57.9	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	5700	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	20300	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	139	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 #: 5684.02
Sample Received: 09/01/00
Sample Matrix: Aqueous

Site: CW-6
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	09/19/00	57400	200	10.0
Antimony	09/19/00	2.45	20	2.0
Arsenic	09/19/00	77.8	8	2.0
Barium	09/19/00	933	2000	0.5
Beryllium	09/19/00	14.5	20	0.5
Cadmium	09/19/00	0.759	4	0.5
Calcium	09/19/00	54200	NLE	20.0
Chromium	09/19/00	31.3	100	0.5
Cobalt	09/19/00	45.5	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	69600	300	10.0
Lead	09/19/00	352	10	2.0
Magnesium	09/19/00	38700	NLE	20.0
Manganese	09/19/00	649	50	0.5
Mercury	09/18/00	0.1	2	0.1
Nickel	09/19/00	108	100	0.5
Potassium	09/19/00	10300	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	ND	20	3.0
Sodium	09/19/00	37100	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	41.5	NLE	1.0
Zinc	09/19/00	1000	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

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

Lab ID #: 5665.04
Sample Received: 08/28/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW01

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	197	200	10.0
Antimony	09/07/00	ND	20	2.0
Arsenic	09/07/00	4.06	8	2.0
Barium	09/07/00	64.9	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	126000	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	1.72	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	1930	300	10.0
Lead	09/07/00	1.76	10	1.0
Magnesium	09/07/00	23900	NLE	10.0
Manganese	09/07/00	713	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	10900	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	332000	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	1.12	NLE	0.5
Zinc	09/07/00	38.7	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 5684.03
Sample Received: 09/01/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW02

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	45500	200	10.0
Antimony	09/19/00	ND	20	2.0
Arsenic	09/19/00	58.0	8	2.0
Barium	09/19/00	701	2000	0.5
Beryllium	09/19/00	11.2	20	0.5
Cadmium	09/19/00	ND	4	0.5
Calcium	09/19/00	40300	NLE	20.0
Chromium	09/19/00	20.5	100	0.5
Cobalt	09/19/00	39.7	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	53100	300	10.0
Lead	09/19/00	231	10	2.0
Magnesium	09/19/00	31800	NLE	20.0
Manganese	09/19/00	501	50	0.5
Mercury	09/18/00	0.2	2	0.1
Nickel	09/19/00	92.2	100	0.5
Potassium	09/19/00	7860	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	ND	20	3.0
Sodium	09/19/00	29600	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	28.3	NLE	1.0
Zinc	09/19/00	730	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 #: 5665.05
Sample Received: 08/28/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW03

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	285	200	10.0
Antimony	09/07/00	ND	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	53.4	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	0.689	4	0.5
Calcium	09/07/00	13000	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	2.40	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	171	300	10.0
Lead	09/07/00	1.69	10	1.0
Magnesium	09/07/00	2750	NLE	10.0
Manganese	09/07/00	40.9	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	900	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	21400	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	110	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 #: 5665.03
Sample Received: 08/28/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW34

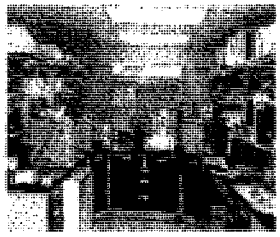
TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	372	200	10.0
Antimony	09/07/00	ND	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	36.3	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	16400	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	1.71	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	1480	300	10.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	3580	NLE	10.0
Manganese	09/07/00	43.9	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	5730	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	20900	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	106	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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5680.04	0CW6MW01	29-30970	08/31/00
5680.05	0CW6MW02	29-30971	08/31/00
5680.06	0CW6MW03	29-30972	08/31/00
5680.07	0CW6MW34	29-32599	08/31/00

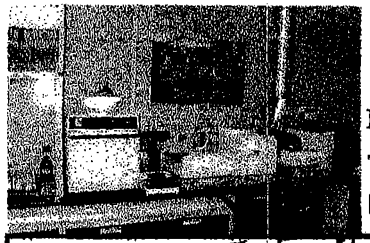
NJDEP Laboratory Certification # 13461

9-22-00

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. Hallow
Phone #: X26223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: CW6 (2044) wells 3rd Qrtr '00

Samplers Name / Company: Corey McCormack, TUS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VO+15	TAL mtls	Pest/PCB	BNA +25				Hnu Read	Comments: Remarks / Preservation Method
32080 .01	Trip	8/31/00	0725	AQ	2	✓							—	HCL/HNO_3/4°C
.02	Field Blank		0900		5	✓	✓	✓	✓				—	
.03	Dupe		—		5	✓	✓	✓	✓				—	
.04	CW6 MW01		1030		5	✓	✓	✓	✓				0.0	29-30970
.05	CW6 MW02		1015			✓	✓	✓	✓				0.0	29-30971
.06	CW6 MW03 *		1022			✓	✓	✓	✓				0.0	29-30972
.07	CW6 MW34		0955			✓	✓	✓	✓				0.0	29-32599
DTW														
CW6 MW 35 :	3.73' ft'	29-32600											0.0	
CW6 MW 36 :	4.87' ft'	29-32601											0.0	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	8/31/00 1400	J. Wright			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, (X)Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks: Shares T/FB/D_p with 2000, 2018, 2067 Same date. epm
Tide: N/A

print legibly

Coc.xls5/12/00

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW01
NJDEP ID #: 29-30970
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/31/00
WEATHER: Overcast, humid.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.00 ft
DEPTH OF WELL: 17.89 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.89 ft
(12.89) X .65 X 3 =25.13
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: 08:27
pH 6.17 su — TEMP 20.4 °C
DISSOLVED O2 5.87 ppm — SPECIFIC CONDUCTIVITY 600 us/cm

PURGE END TIME: 10:15
pH 6.07 su — TEMP 19.5 °C
DISSOLVED O2 3.11 ppm — SPECIFIC CONDUCTIVITY 601 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 5.18 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 10:30
pH 6.08 su — TEMP 19.6 °C
DISSOLVED O2 3.11 ppm — SPECIFIC CONDUCTIVITY 600 us/cm

SAMPLE END TIME: 10:37

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW02
NJDEP ID #: 29-30971
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/31/00
WEATHER: Overcast, humid.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.86 ft
DEPTH OF WELL: 16.80 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.94 ft
(11.94) X .65 X 3 =23.28
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: 08:34
pH 5.79 su — TEMP 20.9 °C
DISSOLVED O2 5.97 ppm — SPECIFIC CONDUCTIVITY 152.4 us/cm

PURGE END TIME: 10:14
pH 5.70 su — TEMP 19.7 °C
DISSOLVED O2 3.31 ppm — SPECIFIC CONDUCTIVITY 154.2 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.78 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON @ BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 10:15
pH 5.68 su — TEMP 19.7 °C
DISSOLVED O2 3.27 ppm — SPECIFIC CONDUCTIVITY 154.2 us/cm

SAMPLE END TIME: 10:27

COMMENTS: Cloudy, sandy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW03
NJDEP ID #: 29-30972
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/31/00
WEATHER: Overcast, humid.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.57 ft
DEPTH OF WELL: 17.78 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.21 ft
(12.21) X .65 X 3 =23.80
GALLONS OF H2O TO BE PURGED: 24 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:37
pH 5.11 su — TEMP 21.2 °C
DISSOLVED O2 5.91 ppm — SPECIFIC CONDUCTIVITY 131.4 us/cm

PURGE END TIME: 10:21
pH 4.93 su — TEMP 20.7 °C
DISSOLVED O2 3.24 ppm — SPECIFIC CONDUCTIVITY 137.3 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 5.80 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 24 gal

SAMPLE START TIME: 10:22
pH 4.91 su — TEMP 20.6 °C
DISSOLVED O2 3.21 ppm — SPECIFIC CONDUCTIVITY 137.2 us/cm

SAMPLE END TIME: 10:29

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW34
NJDEP ID #: 29-32599
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/31/00
WEATHER: Overcast, humid.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.20 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.70 ft
(10.70) X .65 X 3 =20.86
GALLONS OF H2O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:23
pH 6.52 su — TEMP 18.3 °C
DISSOLVED O2 5.77 ppm — SPECIFIC CONDUCTIVITY 151.7 us/cm

PURGE END TIME: 09:54
pH 6.44 su — TEMP 17.9 °C
DISSOLVED O2 3.02 ppm — SPECIFIC CONDUCTIVITY 154.9 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.28 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 09:55
pH 6.44 su — TEMP 17.8 °C
DISSOLVED O2 3.01 ppm — SPECIFIC CONDUCTIVITY 155.1 us/cm

SAMPLE END TIME: 10:04

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW35
NJDEP ID #: 29-32600
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/31/00
WEATHER: Overcast, humid.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.75 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =
GALLONS OF H2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
PH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

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

SAMPLE START TIME:
PH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW36
NJDEP ID #: 29-32601
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/31/00
WEATHER: Overcast, humid.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.87 ft
DEPTH OF WELL: 16.95 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =
GALLONS OF H2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
PH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

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

SAMPLE START TIME:
PH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS:

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

MDL	: Method Detection Limit
J	: Compound Identified Below Detection Limit
B	: Compound is in Both Sample and Blank
D	: Results are from a Dilution of the Sample
U	: Compound Searched for but not Detected
E	: Compound Exceeds Calibration Limit

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

Data File	**VC003735.D**	Sample Name	**Vblk106**
Operator	**Skelton**	Field ID	**Vblk106**
Date Aquired	**11-Sep-00**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Vblk106**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5680 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk106

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003735.D

Level: (low/med) LOW Date Received: 8/31/00

% Moisture: not dec. Date Analyzed: 9/11/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC003737.D**	Sample Name	**5680.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**11-Sep-00**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	8.97	207051	10.88 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.27	308969	3.10 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5680 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5680.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003737.D

Level: (low/med) LOW Date Received: 8/31/00

% Moisture: not dec. Date Analyzed: 9/11/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC003738.D**	Sample Name	**5680.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**11-Sep-00**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.27	293816	2.91 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

9/21/00 3:38 PM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5680 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5680.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003738.D

Level: (low/med) LOW Date Received: 8/31/00

% Moisture: not dec. Date Analyzed: 9/11/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC003739.D**	Sample Name	**5680.03**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**11-Sep-00**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5680 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5680.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003739.D

Level: (low/med) LOW Date Received: 8/31/00

% Moisture: not dec. Date Analyzed: 9/11/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC003740.D**	Sample Name	**5680.04**
Operator	**Skelton**	Field ID	**0CW6MW01**
Date Aquired	**11-Sep-00**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

0CW6MW01

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5680 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5680.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003740.D

Level: (low/med) LOW Date Received: 8/31/00

% Moisture: not dec. Date Analyzed: 9/11/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC003741.D**	Sample Name	**5680.05**
Operator	**Skelton**	Field ID	**0CW6MW02**
Date Aquired	**11-Sep-00**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0CW6MW02**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5680 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5680.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003741.D

Level: (low/med) LOW Date Received: 8/31/00

% Moisture: not dec. Date Analyzed: 9/11/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC003742.D	Sample Name	5680.06
Operator	Skelton	Field ID	0CW6MW03
Date Aquired	11-Sep-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

0CW6MW03

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5680 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5680.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003742.D

Level: (low/med) LOW Date Received: 8/31/00

% Moisture: not dec. Date Analyzed: 9/11/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC003743.D**	Sample Name	**5680.07**
Operator	**Skelton**	Field ID	**0CW6MW34**
Date Aquired	**11-Sep-00**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	8.98	305739	16.09 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone	15.31	131290	7.35 ug/L	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **0CW6MW34**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5680 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5680.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003743.D

Level: (low/med) LOW Date Received: 8/31/00

% Moisture: not dec. Date Analyzed: 9/11/00

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04505.D**	Sample Name	**Sblk417**
Operator	**Bhaskar**	Misc Info	**Sblk417 A 000905**
Date Acquired	**14-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04505.D**	Sample Name	**Sblk417**
Operator	**Bhaskar**	Misc Info	**Sblk417 A 000905**
Date Acquired	**14-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Sblk417**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5680 Location: CW6 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: Sblk417

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04505.D

Level: (low/med) LOW Date Received: 8/31/00

% Moisture: decanted: (Y/N) N Date Extracted: 9/5/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/14/00

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	**BN04515.D**	Sample Name	**5680.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**14-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04515.D**	Sample Name	**5680.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**14-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5680 Location: CW6 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5680.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04515.D

Level: (low/med) LOW Date Received: 8/31/00

% Moisture: decanted: (Y/N) N Date Extracted: 9/5/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/14/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.64	10	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04516.D**	Sample Name	**5680.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**14-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04516.D**	Sample Name	**5680.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**14-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Dupe**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5680 Location: CW6 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5680.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04516.D

Level: (low/med) LOW Date Received: 8/31/00

% Moisture: decanted: (Y/N) N Date Extracted: 9/5/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/14/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.64	7	J
2. 000105-60-2	Caprolactam	15.69	5	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04517.D**	Sample Name	**5680.04**
Operator	**Bhaskar**	Misc Info	**CW6MW01**
Date Acquired	**14-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04517.D**	Sample Name	**5680.04**
Operator	**Bhaskar**	Misc Info	**CW6MW01**
Date Acquired	**14-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW6MW01**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5680 Location: CW6 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5680.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04517.D

Level: (low/med) LOW Date Received: 8/31/00

% Moisture: decanted: (Y/N) N Date Extracted: 9/5/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/14/00

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. 002906-55-0	Hexadecanoic acid, 9-octadeceny	32.80	40	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04518.D**	Sample Name	**5680.05**
Operator	**Bhaskar**	Misc Info	**CW6MW02**
Date Acquired	**14-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04518.D**	Sample Name	**5680.05**
Operator	**Bhaskar**	Misc Info	**CW6MW02**
Date Acquired	**14-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW6MW02**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5680 Location: CW6 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5680.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04518.D

Level: (low/med) LOW Date Received: 8/31/00

% Moisture: decanted: (Y/N) N Date Extracted: 9/5/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/14/00

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	6.64	6	J
2. 000057-10-3	Hexadecanoic acid	24.73	7	JN
3. 000057-11-4	Octadecanoic acid	26.79	4	JN

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U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04519.D**	Sample Name	**5680.06**
Operator	**Bhaskar**	Misc Info	**CW6MW03**
Date Acquired	**14-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

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Data File Name	**BN04519.D**	Sample Name	**5680.06**
Operator	**Bhaskar**	Misc Info	**CW6MW03**
Date Acquired	**14-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW6MW03**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5680 Location: CW6 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5680.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04519.D

Level: (low/med) LOW Date Received: 8/31/00

% Moisture: decanted: (Y/N) N Date Extracted: 9/5/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/14/00

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	6.64	6	J
2. 000105-60-2	Caprolactam	15.69	5	JN
3.	unknown	32.87	40	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04520.D**	Sample Name	**5680.07**
Operator	**Bhaskar**	Misc Info	**CW6MW34**
Date Acquired	**14-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04520.D**	Sample Name	**5680.07**
Operator	**Bhaskar**	Misc Info	**CW6MW34**
Date Acquired	**14-Sep-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW6MW34**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5680 Location: CW6 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5680.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04520.D

Level: (low/med) LOW Date Received: 8/31/00

% Moisture: decanted: (Y/N) N Date Extracted: 9/5/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/14/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	6.64	7	J
2.	000105-60-2	Caprolactam	15.69	6	JN
3.	000134-62-3	Diethyltoluamide	20.61	8	JN
4.		unknown	32.51	39	J
5.		unknown	32.87	96	J
6.	027519-02-4	9-Tricosene, (Z)-	33.78	40	JN

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

Client :	U.S. Army	**Lab. ID # :**	PBLK580
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	5680.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/31/00
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	CW6(2044) 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 # :**	5680.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/31/00
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	CW6(2044) 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 # :**	5680.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/31/00
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	CW6(2044) wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW01
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 # :**	5680.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/31/00
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	CW6(2044) wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW02
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 # :**	5680.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/31/00
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	CW6(2044) wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW03
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 # :**	5680.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	8/31/00
	Bldg. 173	**Extraction Date:**	9/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	9/8/00
Analysis:	EPA Method 608	**Location :**	CW6(2044) wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW34
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 #: 5680
Sample Prepared: 09/18/00

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	53.8	200	10.0
Antimony	09/19/00	ND	20	2.0
Arsenic	09/19/00	ND	8	2.0
Barium	09/19/00	ND	2000	0.5
Beryllium	09/19/00	ND	20	0.5
Cadmium	09/19/00	ND	4	0.5
Calcium	09/19/00	99.2	NLE	20.0
Chromium	09/19/00	ND	100	0.5
Cobalt	09/19/00	ND	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	58.6	300	10.0
Lead	09/19/00	ND	10	2.0
Magnesium	09/19/00	ND	NLE	20.0
Manganese	09/19/00	ND	50	0.5
Mercury	09/18/00	ND	2	0.1
Nickel	09/19/00	ND	100	0.5
Potassium	09/19/00	ND	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	ND	20	3.0
Sodium	09/19/00	112	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	ND	NLE	1.0
Zinc	09/19/00	17.8	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 5680.02
Sample Received: 08/31/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	ND	200	10.0
Antimony	09/19/00	ND	20	2.0
Arsenic	09/19/00	ND	8	2.0
Barium	09/19/00	ND	2000	0.5
Beryllium	09/19/00	ND	20	0.5
Cadmium	09/19/00	ND	4	0.5
Calcium	09/19/00	37.7	NLE	20.0
Chromium	09/19/00	ND	100	0.5
Cobalt	09/19/00	ND	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	ND	300	10.0
Lead	09/19/00	ND	10	2.0
Magnesium	09/19/00	127	NLE	20.0
Manganese	09/19/00	ND	50	0.5
Mercury	09/18/00	ND	2	0.1
Nickel	09/19/00	ND	100	0.5
Potassium	09/19/00	90.8	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	ND	20	3.0
Sodium	09/19/00	1450	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	ND	NLE	1.0
Zinc	09/19/00	ND	5000	1.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 5680.04
Sample Received: 08/31/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW01

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	440	200	10.0
Antimony	09/19/00	2.72	20	2.0
Arsenic	09/19/00	ND	8	2.0
Barium	09/19/00	48.5	2000	0.5
Beryllium	09/19/00	ND	20	0.5
Cadmium	09/19/00	ND	4	0.5
Calcium	09/19/00	87500	NLE	20.0
Chromium	09/19/00	ND	100	0.5
Cobalt	09/19/00	1.26	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	1140	300	10.0
Lead	09/19/00	1.49	10	2.0
Magnesium	09/19/00	17600	NLE	20.0
Manganese	09/19/00	457	50	0.5
Mercury	09/18/00	0.1	2	0.1
Nickel	09/19/00	2.81	100	0.5
Potassium	09/19/00	8020	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	259	20	3.0
Sodium	09/19/00	227000	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	ND	NLE	1.0
Zinc	09/19/00	25.9	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 #: 5680.05
Sample Received: 08/31/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW02

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	21500	200	10.0
Antimony	09/19/00	ND	20	2.0
Arsenic	09/19/00	2.29	8	2.0
Barium	09/19/00	129	2000	0.5
Beryllium	09/19/00	1.93	20	0.5
Cadmium	09/19/00	ND	4	0.5
Calcium	09/19/00	9160	NLE	20.0
Chromium	09/19/00	0.615	100	0.5
Cobalt	09/19/00	6.36	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	12500	300	10.0
Lead	09/19/00	20.0	10	2.0
Magnesium	09/19/00	7050	NLE	20.0
Manganese	09/19/00	89.3	50	0.5
Mercury	09/18/00	ND	2	0.1
Nickel	09/19/00	9.27	100	0.5
Potassium	09/19/00	3070	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	ND	20	3.0
Sodium	09/19/00	45200	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	6.61	NLE	1.0
Zinc	09/19/00	120	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 #: 5680.03
Sample Received: 08/31/00
Sample Matrix: Aqueous

Site: CW-6
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	09/19/00	894	200	10.0
Antimony	09/19/00	ND	20	2.0
Arsenic	09/19/00	ND	8	2.0
Barium	09/19/00	49.2	2000	0.5
Beryllium	09/19/00	ND	20	0.5
Cadmium	09/19/00	1.04	4	0.5
Calcium	09/19/00	10900	NLE	20.0
Chromium	09/19/00	ND	100	0.5
Cobalt	09/19/00	2.35	NLE	0.5
Copper	09/19/00	12.7	1000	3.0
Iron	09/19/00	353	300	10.0
Lead	09/19/00	14.1	10	2.0
Magnesium	09/19/00	2290	NLE	20.0
Manganese	09/19/00	25.0	50	0.5
Mercury	09/18/00	ND	2	0.1
Nickel	09/19/00	ND	100	0.5
Potassium	09/19/00	756	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	8.45	20	3.0
Sodium	09/19/00	16700	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	ND	NLE	1.0
Zinc	09/19/00	103	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 #: 5680.06
Sample Received: 08/31/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW03

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	308	200	10.0
Antimony	09/19/00	ND	20	2.0
Arsenic	09/19/00	ND	8	2.0
Barium	09/19/00	39.0	2000	0.5
Beryllium	09/19/00	ND	20	0.5
Cadmium	09/19/00	0.652	4	0.5
Calcium	09/19/00	9710	NLE	20.0
Chromium	09/19/00	ND	100	0.5
Cobalt	09/19/00	1.90	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	267	300	10.0
Lead	09/19/00	3.47	10	2.0
Magnesium	09/19/00	2150	NLE	20.0
Manganese	09/19/00	19.9	50	0.5
Mercury	09/18/00	ND	2	0.1
Nickel	09/19/00	ND	100	0.5
Potassium	09/19/00	739	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	ND	20	3.0
Sodium	09/19/00	15700	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	ND	NLE	1.0
Zinc	09/19/00	85.3	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 #: 5680.07
Sample Received: 08/31/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/19/00	391	200	10.0
Antimony	09/19/00	ND	20	2.0
Arsenic	09/19/00	ND	8	2.0
Barium	09/19/00	44.3	2000	0.5
Beryllium	09/19/00	ND	20	0.5
Cadmium	09/19/00	ND	4	0.5
Calcium	09/19/00	12200	NLE	20.0
Chromium	09/19/00	ND	100	0.5
Cobalt	09/19/00	1.38	NLE	0.5
Copper	09/19/00	ND	1000	3.0
Iron	09/19/00	1960	300	10.0
Lead	09/19/00	ND	10	2.0
Magnesium	09/19/00	2590	NLE	20.0
Manganese	09/19/00	37.5	50	0.5
Mercury	09/18/00	ND	2	0.1
Nickel	09/19/00	ND	100	0.5
Potassium	09/19/00	4580	NLE	20.0
Selenium	09/19/00	ND	50	3.0
Silver	09/19/00	ND	20	3.0
Sodium	09/19/00	21300	50000	20.0
Thallium	09/19/00	ND	10	3.0
Vanadium	09/19/00	ND	NLE	1.0
Zinc	09/19/00	144	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	Di-n-butyl phthalate	Butyl benzyl phthalate	bis(2-Ethylhexyl) phthalate	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	900	100	30	0.2	0.1	0.5	0.5	200	8	-
04/30/1997	FMETL	ND	0.65	ND	0.029	0.026	0.057	0.038	290	2	V,S,P,M
09/02/1997	FMETL	ND	ND	ND	0.035	0.027	0.096	0.054	361	4.0	V,S,P,M
12/01/1997	FMETL	1.88	ND	ND	0.024	0.023	0.057	0.025	303	ND	V,S.P.M
03/05/1998	FMETL	ND	ND	1.16	0.026	0.014	0.031	0.025	374	ND	V,S,P,M
06/15/1998	FMETL	ND	ND	ND	0.020	ND	0.054	0.031	541	5.1	V,S,P,M
09/22/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	77700	88	V,S.P,M
12/04/1998	FMETL	ND	ND	ND	ND	0.024	0.050	0.021	237	10.8	V,S,P,M
02/17/1999	FMETL	ND	ND	ND	0.028	0.013	0.062	0.030	91.2	ND	V,S,P,M
06/18/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	638	4.74	V,S,P,M
08/10/1999	FMETL	ND	ND	ND	ND	ND	0.021	0.031	661	8.87	V,S,P,M
11/15/1999	FMETL	ND	ND	ND	0.271	ND	0.284	0.307	590	2.33	V,S,P,M
03/27/2000	FMETL	ND	ND	ND	0.027	0.014	0.038	0.046	116	ND	V,S,P,M
06/15/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	162	ND	V,S,P,M
08/31/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	440	ND	V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 08/31/2000

NOTES:

Page 1 of 2.

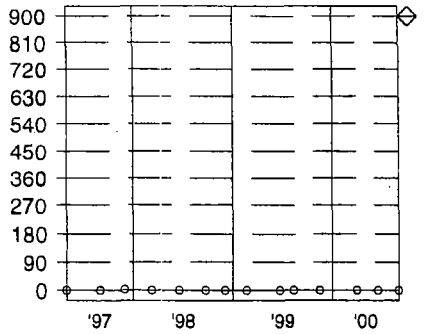
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

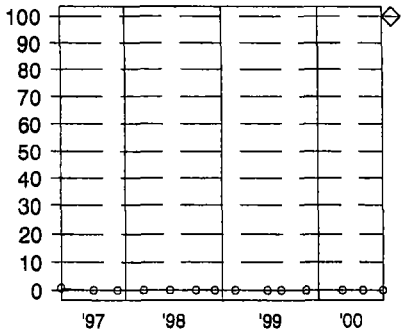
Source 1 of 4

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

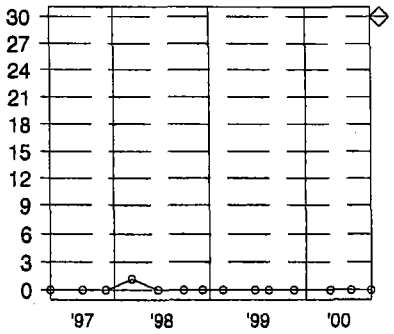
Di-n-butylphthalate
(ug/l)



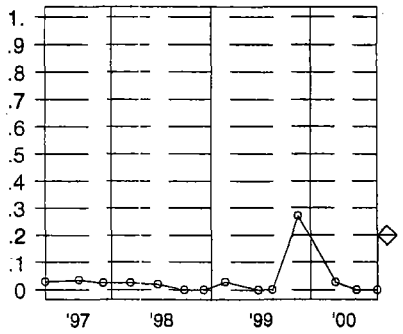
Butylbenzylphthalate
(ug/l)



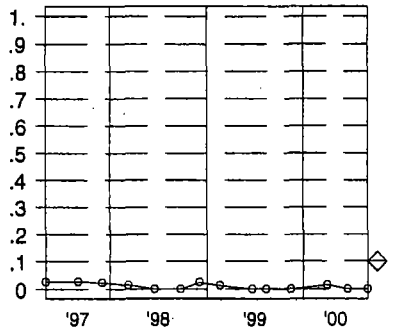
bis(2-ethylhexyl)phthalate
(ug/l)



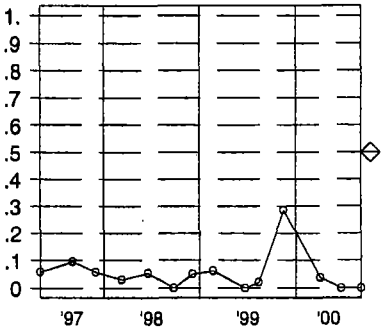
Heptachlor Epoxide
(ug/l)



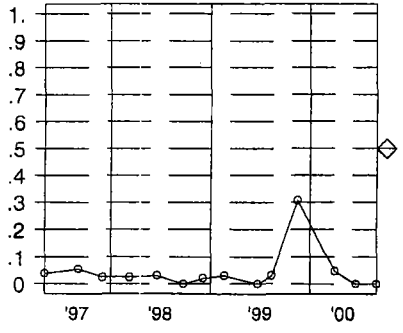
4,4'DDD
(ug/l)



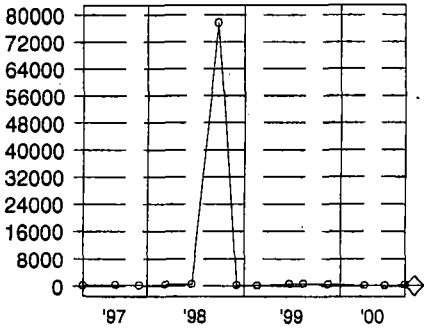
Alpha-chlordane
(ug/l)



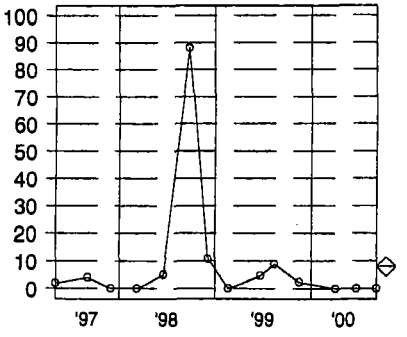
Gamma-chlordane
(ug/l)



Aluminum
(ug/l)



Arsenic
(ug/l)



SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 08/31/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Source 1 of 4, Graph

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

09-22-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Iron	Silver	Sodium	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	300	20	50000	-						-
04/30/1997	FMETL	1880	21	24000	3.60						V,S,P,M
09/02/1997	FMETL	790	6.0	23730	4.80						V,S,P,M
12/01/1997	FMETL	468	ND	17300	4.20						V,S.P.M
03/05/1998	FMETL	1953	ND	18070	3.38						V,S,P,M
06/15/1998	FMETL	2414	ND	20990	3.47						V,S,P,M
09/22/1998	FMETL	112000	ND	107000	6.21						V,S.P,M
12/04/1998	FMETL	2190	ND	20200	8.25						V,S,P,M
02/17/1999	FMETL	1140	ND	28600	4.24						V,S,P,M
06/18/1999	FMETL	1930	ND	21900	5.93						V,S,P,M
08/10/1999	FMETL	4760	37.9	17800	7.36						V,S,P,M
11/15/1999	FMETL	1190	ND	19300	5.06						V,S,P,M
03/27/2000	FMETL	2270	ND	10600	4.28						V,S,P,M
06/15/2000	FMETL	1650	ND	125000	4.84						V,S,P,M
08/31/2000	FMETL	1140	259	227000	5.00						V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 08/31/2000

NOTES:

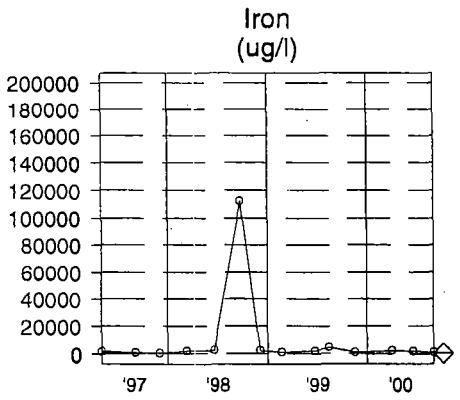
Page 2 of 2.

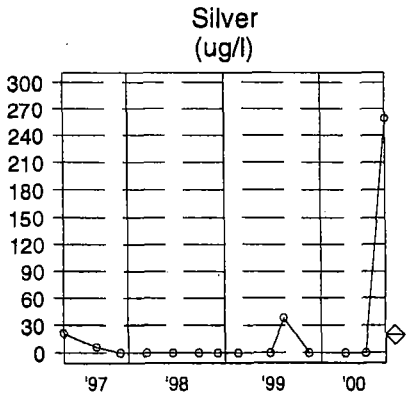
FORT MONMOUTH

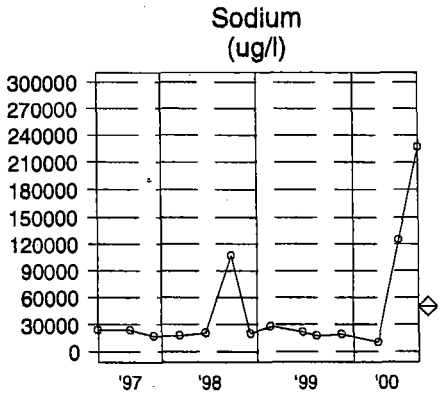
GW MONITORING
CW-6 Bldg. 2044

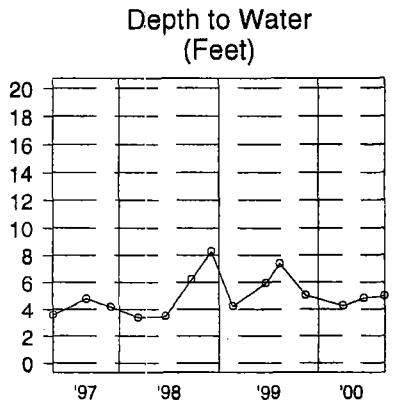
Source 1 of 4

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









SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 08/31/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Source 1 of 4, Graph

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

09-22-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Di-n-butyl phthalate	Butyl benzyl phthalate	bis(2-Ethylhexyl) phthalate	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	900	100	30	0.2	0.1	0.5	0.5	200	8	-
04/30/1997	FMETL	81	19	5	ND	ND	ND	ND	260	22	V,S,P,M
08/29/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	2600	6	V,S,P,M
12/01/1997	FMETL	1.12	ND	ND	ND	ND	ND	ND	10060	7	V,S,P,M
03/05/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	28570	17.9	V,S,P,M
06/15/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	37960	48.1	V,S,P,M
09/22/1998	FMETL	ND	ND	ND	0.023	0.026	0.056	0.033	630	13	V,S,P,M
12/04/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	5040	ND	V,S,P,M
02/17/1999	FMETL	ND	ND	1.53	ND	ND	ND	ND	26000	7.88	V,S,P,M
06/18/1999	FMETL	ND	ND	2.00	ND	ND	ND	ND	24700	2.94	V,S,P,M
08/10/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	3610	ND	V,S,P,M
11/15/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	15700	2.28	V,S,P,M
03/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	87700	ND	V,S,P,M
06/15/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	25000	ND	V,S,P,M
08/31/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	21500	2.29	V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 08/31/2000

NOTES:

Page 1 of 2.

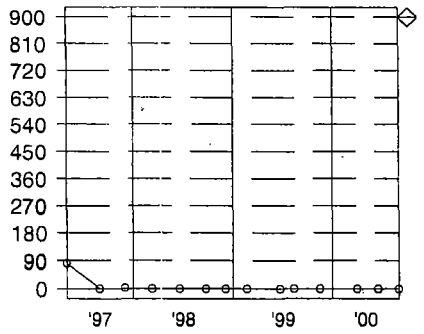
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

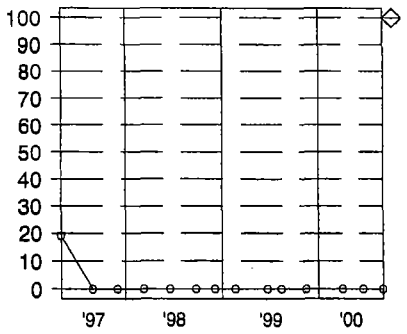
Source 2 of 4

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

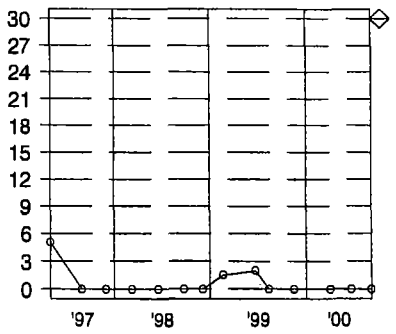
Di-n-butylphthalate (ug/l)



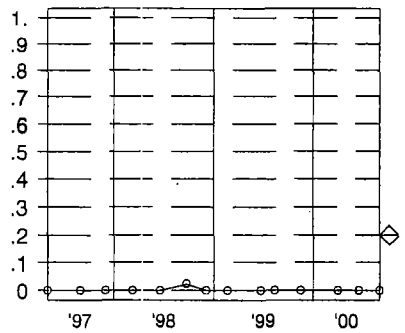
Butylbenzylphthalate (ug/l)



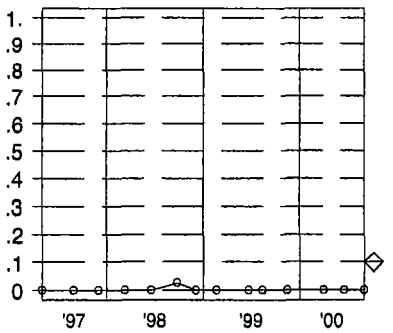
bis(2-ethylhexyl)phthalate (ug/l)



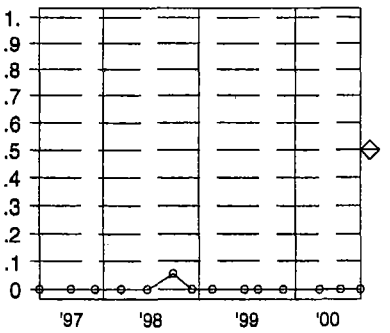
Heptachlor Epoxide (ug/l)



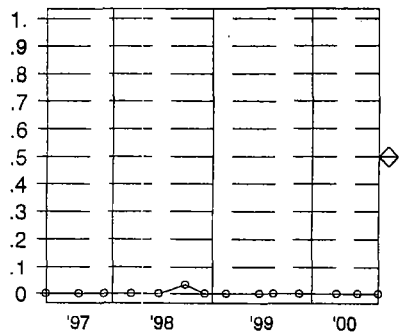
4,4'DDD (ug/l)



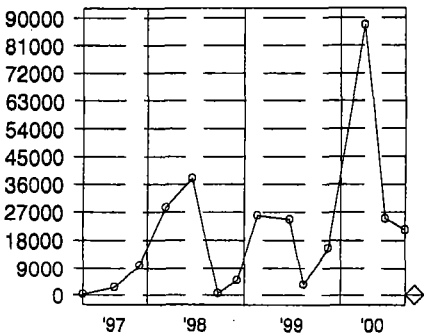
Alpha-chlordane (ug/l)



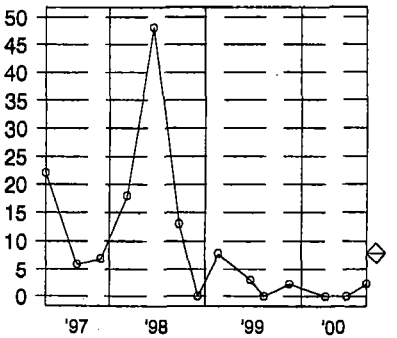
Gamma-chlordane (ug/l)



Aluminum (ug/l)



Arsenic (ug/l)



SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 08/31/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Source 2 of 4, Graph

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

09-22-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Iron	Silver	Sodium	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	300	20	50000	-						-
04/30/1997	FMETL	76000	89	104500	3.03						V,S,P,M
08/29/1997	FMETL	7140	ND	48940	5.80						V,S,P,M
12/01/1997	FMETL	9940	ND	21000	4.10						V,S,P,M
03/05/1998	FMETL	21390	ND	30750	2.81						V,S,P,M
06/15/1998	FMETL	41540	ND	46240	3.06						V,S,P,M
09/22/1998	FMETL	5450	ND	22200	6.22						V,S,P,M
12/04/1998	FMETL	3500	ND	27700	6.51						V,S,P,M
02/17/1999	FMETL	17700	ND	57100	4.11						V,S,P,M
06/18/1999	FMETL	9570	ND	54500	5.93						V,S,P,M
08/10/1999	FMETL	2930	ND	32100	7.04						V,S,P,M
11/15/1999	FMETL	8610	ND	32700	5.00						V,S,P,M
03/27/2000	FMETL	28600	ND	32900	3.88						V,S,P,M
06/15/2000	FMETL	15400	24.2	47800	4.68						V,S,P,M
08/31/2000	FMETL	12500	ND	45200	4.86						V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 08/31/2000

NOTES:

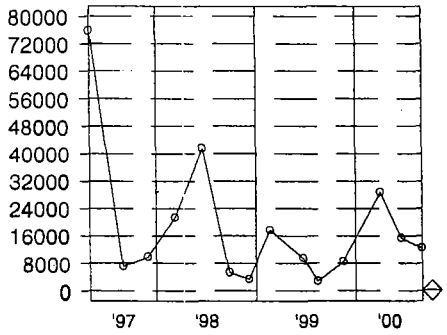
Page 2 of 2.

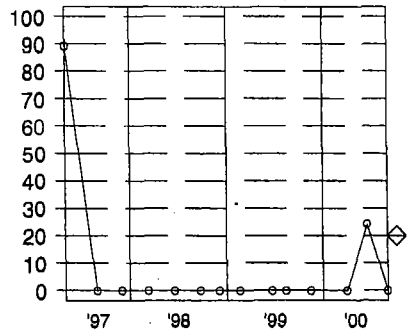
FORT MONMOUTH

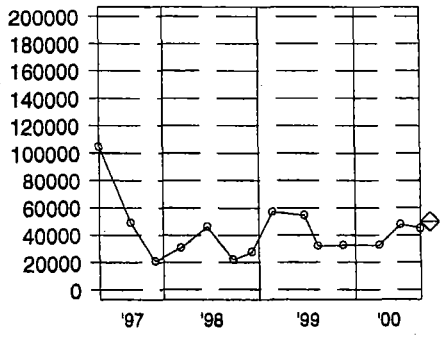
GW MONITORING
CW-6 Bldg. 2044

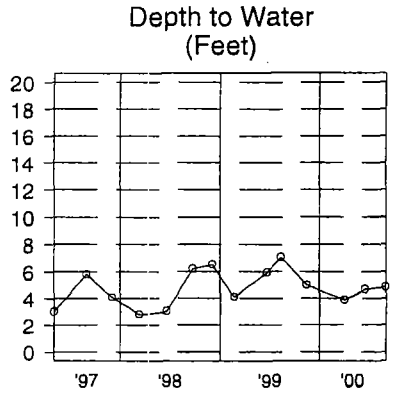
Source 2 of 4

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









SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 08/31/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Source 2 of 4, Graph

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

09-22-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Di-n-butyl phthalate	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	900	200	8	300	20	50000	-			-
04/30/1997	FMETL	ND	124	1.0	595	19	11000	3.90			V,S,P,M
08/29/1997	FMETL	ND	292	ND	2490	ND	7090	6.50			V,S,P,M
12/01/1997	FMETL	1.48	293	ND	538	ND	11830	4.80			V,S,P,M
03/05/1998	FMETL	ND	506	ND	848	ND	10780	3.32			V,S,P,M
06/15/1998	FMETL	ND	335	ND	1165	ND	10860	3.98			V,S,P,M
09/22/1998	FMETL	ND	934	ND	3600	ND	7320	7.15			V,S,P,M
12/04/1998	FMETL	ND	425	ND	781	ND	8720	7.37			V,S,P,M
02/17/1999	FMETL	ND	1050	ND	1110	ND	14300	4.73			V,S,P,M
06/18/1999	FMETL	ND	950	ND	542	ND	11600	6.72			V,S,P,M
08/10/1999	FMETL	ND	345	ND	451	ND	15100	7.75			V,S,P,M
11/15/1999	FMETL	ND	408	ND	604	ND	12400	5.93			V,S,P,M
03/27/2000	FMETL	ND	673	5.04	2360	ND	10800	4.73			V,S,P,M
06/15/2000	FMETL	ND	165	ND	1010	ND	13800	6.47			V,S,P,M
08/31/2000	FMETL	ND	308	ND	267	ND	15700	5.57			V,S,P,M
08/31/2000D	FMETL	ND	894	ND	353	8.45	16700	5.57			V,S,P,M

SOURCE: 0CW6MW03

Sampling Dates:
04/30/1997 - 08/31/2000

NOTES:

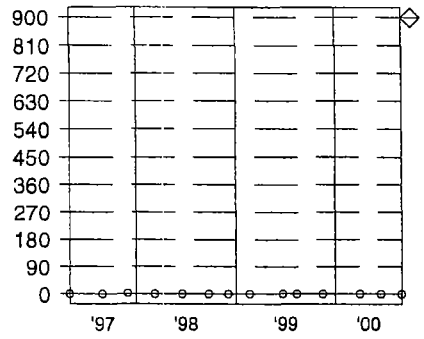
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

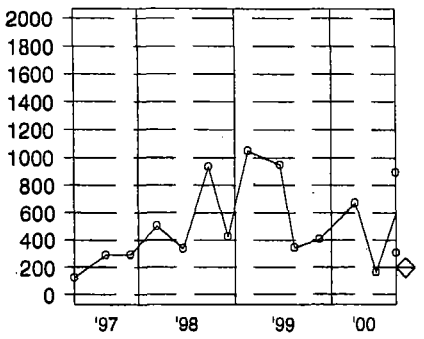
Source 3 of 4

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

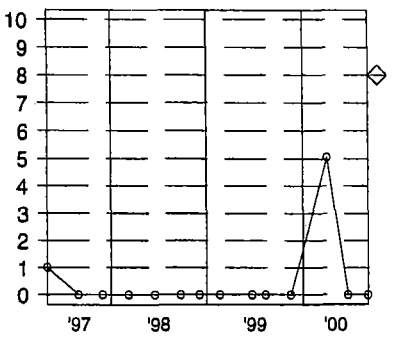
Di-n-butylphthalate (ug/l)



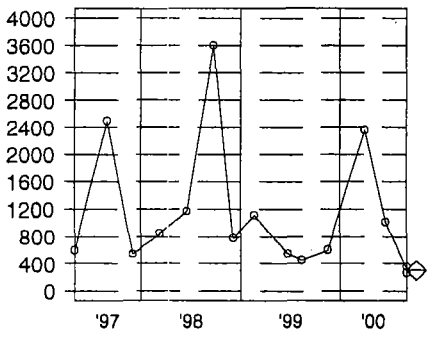
Aluminum (ug/l)



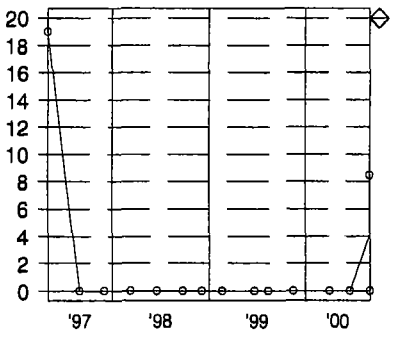
Arsenic (ug/l)



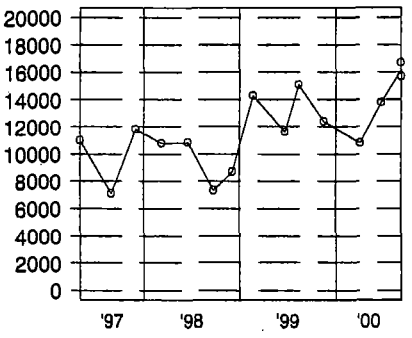
Iron (ug/l)



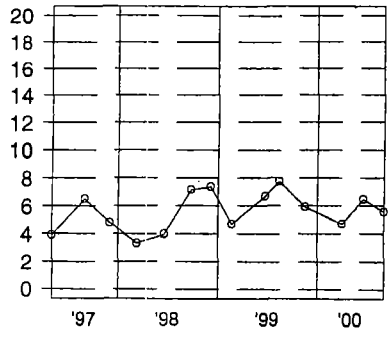
Silver (ug/l)



Sodium (ug/l)



Depth to Water (Feet)



SOURCE: 0CW6MW03

Sampling Dates:
04/30/1997 - 08/31/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Source 3 of 4, Graph

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

09-22-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	8	300	20	50000	-				-
04/30/1997	FMETL	48	2.0	2100	18	15500	3.75				V,S,P,M
09/02/1997	FMETL	120	1.0	1380	13	16570	4.90				V,S,P,M
12/01/1997	FMETL	348	ND	652	ND	15500	4.25				V,S,P,M
03/05/1998	FMETL	385	ND	2212	ND	15940	3.78				V,S,P,M
06/15/1998	FMETL	204	ND	2624	ND	15380	5.54				V,S,P,M
09/22/1998	FMETL	360	6	9030	ND	16300	6.31				V,S,P,M
12/04/1998	FMETL	434	ND	2280	ND	14400	6.01				V,S,P,M
02/17/1999	FMETL	345	ND	2640	ND	18800	4.23				V,S,P,M
06/18/1999	FMETL	419	2.71	5350	ND	19400	6.28				V,S,P,M
08/10/1999	FMETL	522	2.89	4940	ND	20600	7.12				V,S,P,M
11/15/1999	FMETL	215	ND	1390	ND	19400	4.91				V,S,P,M
03/27/2000	FMETL	285	ND	2920	ND	12100	4.11				V,S,P,M
03/27/2000D	FMETL	294	ND	2980	ND	12000	4.11				V,S,P,M
06/15/2000	FMETL	365	ND	5560	ND	19000	4.80				V,S,P,M
08/31/2000	FMETL	391	ND	1960	ND	21300	6.20				V,S,P,M

SOURCE: 0CW6MW34

Sampling Dates:
04/30/1997 - 08/31/2000

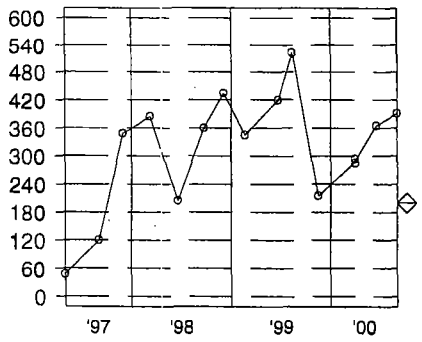
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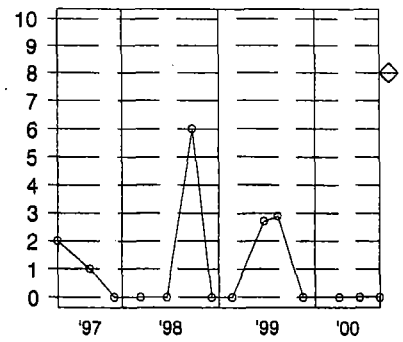
FORT MONMOUTH

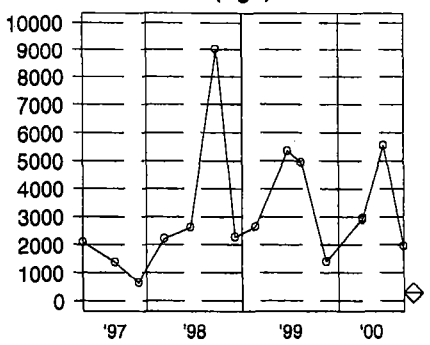
GW MONITORING
CW-6 Bldg. 2044

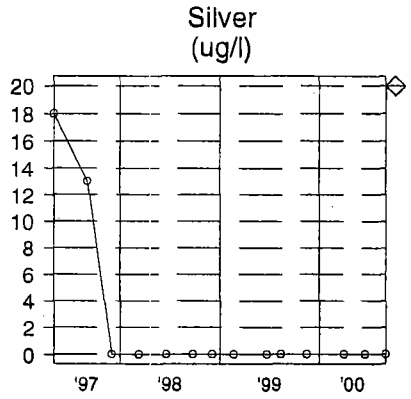
Source 4 of 4

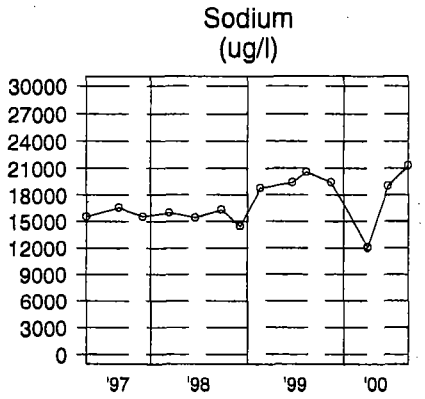
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

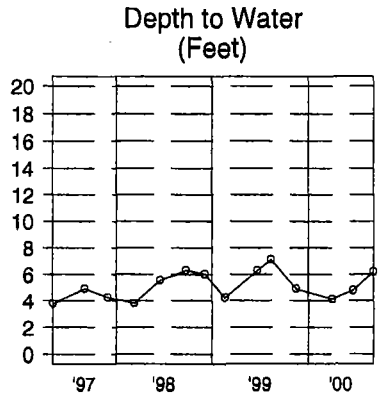












SOURCE: 0CW6MW34

Sampling Dates:
04/30/1997 - 08/31/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

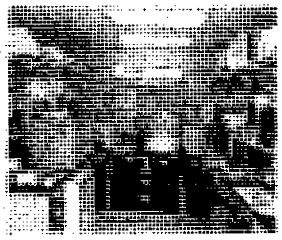
Source 4 of 4, Graph

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

09-22-2000 x:\mtech46\fm\2044a\gw\2044

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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5771.04	0CW6MW01	29-30970	10/05/00
5771.06	0CW6MW02	29-30971	10/05/00
5771.05	0CW6MW03	29-30972	10/05/00
5771.03	0CW6MW34	29-32599	10/05/00

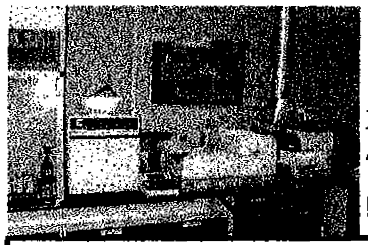
NJDEP Laboratory Certification # 13461

10-26-00
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 #: X216223
(✓)DERA ( )OMA ( )Other:_____

Project No: Low Flow
Location: CWG

Samplers Name / Company: David Sharpe - TVS

Lab Sample I.D.		Sample Location	Date	Time	Sample Type	# bottles	TAL METALS	PEST							Remarks / Preservation Method
5771.	1	FB	10/5/00	0900	AQ	2	✓	✓							HNO3
	2	FD	"	—	AQ	2	✓	✓							"
	3	CWGMW34	"	1045	AQ	2	✓	✓							"
	4	CWGMW01	"	1230	AQ	2	✓	✓							"
	5	CWGMW03	"	1345	AQ	2	✓	✓							"
	6	CWGMW02	"	1535	AQ	2	✓	✓							"

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	10/5/00 1400	[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:

print legibly

Coc.xls9/15/99

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6
MW#: 0CW6MW01
NJDEP ID#29-30970
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 10/05/00
WEATHER: Overcast, cool.
TIDE: N/A
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 1.1 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:147.0 μ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 4.15 ft
Before Purge Start: 4.15 ft **Previous Day: 4.20 ft** **After Sampling: 4.40 ft**
DEPTH OF WELL: 17.89 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE:15 ft
HEIGHT OF WATER: 13.74 ft
(13.7 4) X .65 X 3 = 26.79
GALLONS OF H2O TO BE PURGED: 27 Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min)
Purged at 400 mL/Min or
PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

TUBING: Food grade Polyethylene 1/4"/Silicon
(.65 for 4", .163 for 2")
PERISTALTIC
Gal/Min. (ml to gal.: ml(.0002642)=gal)

PURGE START TIME: 11:25
pH 5.84 su
DISSOLVED O_2 0.00 mg/L

TEMP 15.95 °C
SPECIFIC CONDUCTIVITY 758.7 ms/cm

PURGE END TIME: 12:30
pH 5.87 su
DISSOLVED O_2 0.00 mg/L

TEMP 16.48 °C
SPECIFIC CONDUCTIVITY 822.1 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 4.40 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 12:21
pH 5.87 su
DISSOLVED O_2 0.00 mg/L

TEMP 16.45 °C
SPECIFIC CONDUCTIVITY 827.8 ms/cm

SAMPLE END TIME: 12:28
ANALYTES: TAL Metals, Pest
COMMENTS:

FIELD READINGS

MW: 0CW6MW01
NJDEP ID#: 29-30970
DATE: 10/05/00

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	5.84	15.95	627.6	758.7	0	10	4.15	400	
11:30	5.87	16.04	635	766.2	0	6.58	4.15	400	
11:35	5.89	16.13	636.9	766.7	0	5.39	4.15	400	
11:40	5.9	16.24	939.5	767.9	0	5.8	4.15	400	
11:45	5.89	16.39	643.3	770	0	8.99	4.15	400	
11:50	5.89	16.43	651.3	778.7	0	8.46	4.15	400	
11:55	5.88	16.47	662.2	791	0	8.66	4.15	400	
12:00	5.88	16.47	673.2	804.3	0	9.21	4.15	400	
12:05	5.87	16.46	682.2	815.2	0	7.09	4.15	400	
12:10	5.88	16.43	687	821.4	0	8.05	4.15	400	
12:15	5.87	16.48	688.3	822.1	0	6.55	4.15	400	
12:20	5.87	16.45	692.6	827.8	0	6.66	4.15	400	

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1125	10.00	4.15	400
1130	6.58	4.15	400
1135	5.34	4.15	400
1140	5.80	4.15	400
1145	8.99	4.15	400
1150	8.48	4.2	400
1155	8.66	4.2	400
1200	9.21	4.3	400
1205	7.09	4.3	400
1210	8.05	4.35	400
1215	6.55	4.4	400
1220	6.66	4.4	400

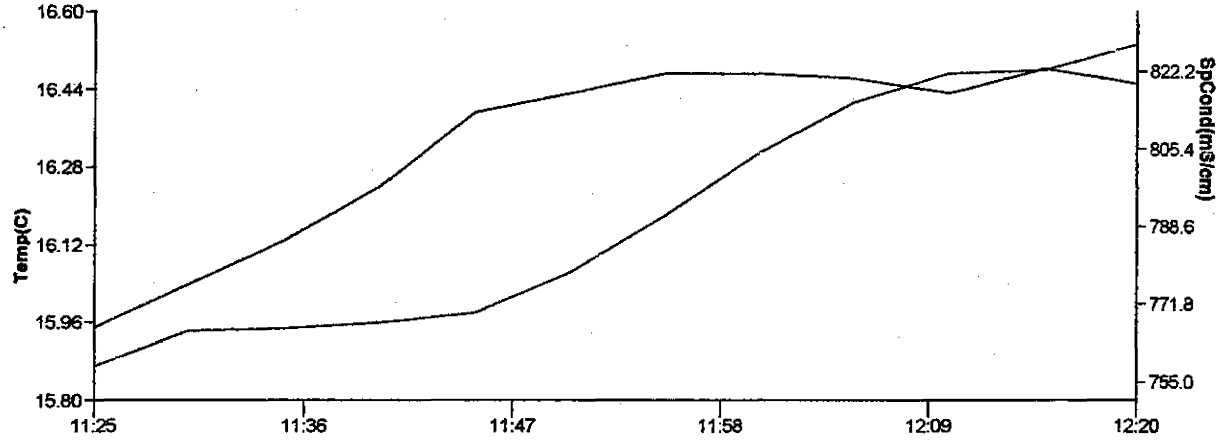
Cw6mw01-
CW6MW01-.DAT
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

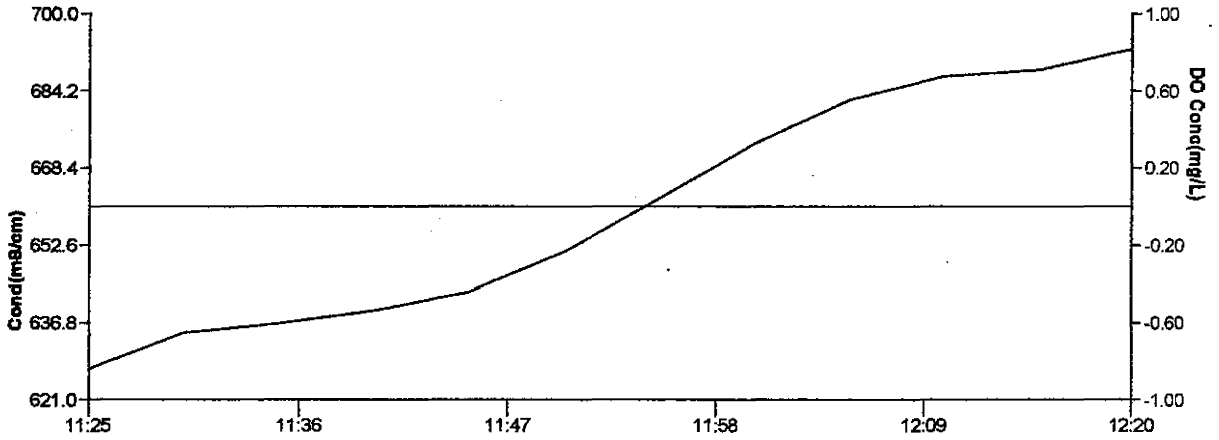
From 10/05/00 11:25 to 10/05/00 12:20
Number of samples: 12

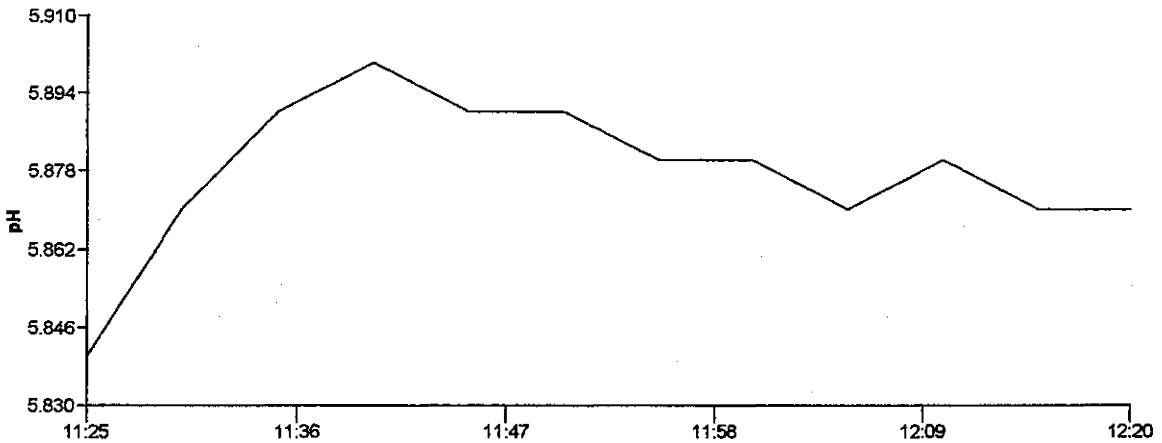
08/24/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
10/05/00 11:25	15.95	758.700	627.600	0.00	5.84
10/05/00 11:30	16.04	766.200	635.000	0.00	5.87
10/05/00 11:35	16.13	766.700	636.900	0.00	5.89
10/05/00 11:40	16.24	767.900	639.500	0.00	5.90
10/05/00 11:45	16.39	770.000	643.300	0.00	5.89
10/05/00 11:50	16.43	778.700	651.300	0.00	5.89
10/05/00 11:55	16.47	791.000	662.200	0.00	5.88
10/05/00 12:00	16.47	804.300	673.200	0.00	5.88
10/05/00 12:05	16.46	815.200	682.200	0.00	5.87
10/05/00 12:10	16.43	821.400	687.000	0.00	5.88
10/05/00 12:15	16.48	822.100	688.300	0.00	5.87
10/05/00 12:20	16.45	827.800	692.600	0.00	5.87

CW6MW01 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH





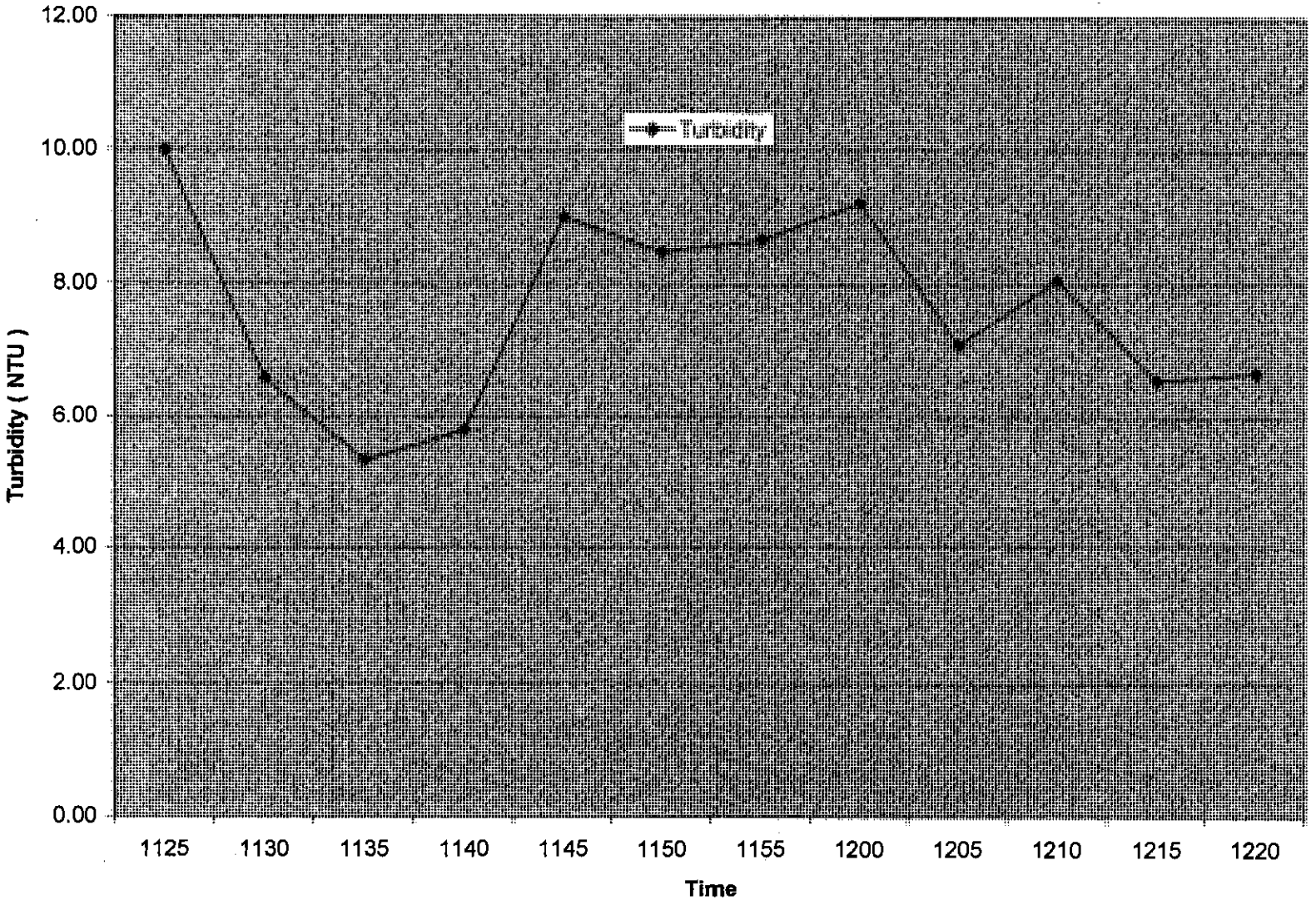


10/05/00 10/05/00 10/05/00 10/05/00 10/05/00 10/05/00

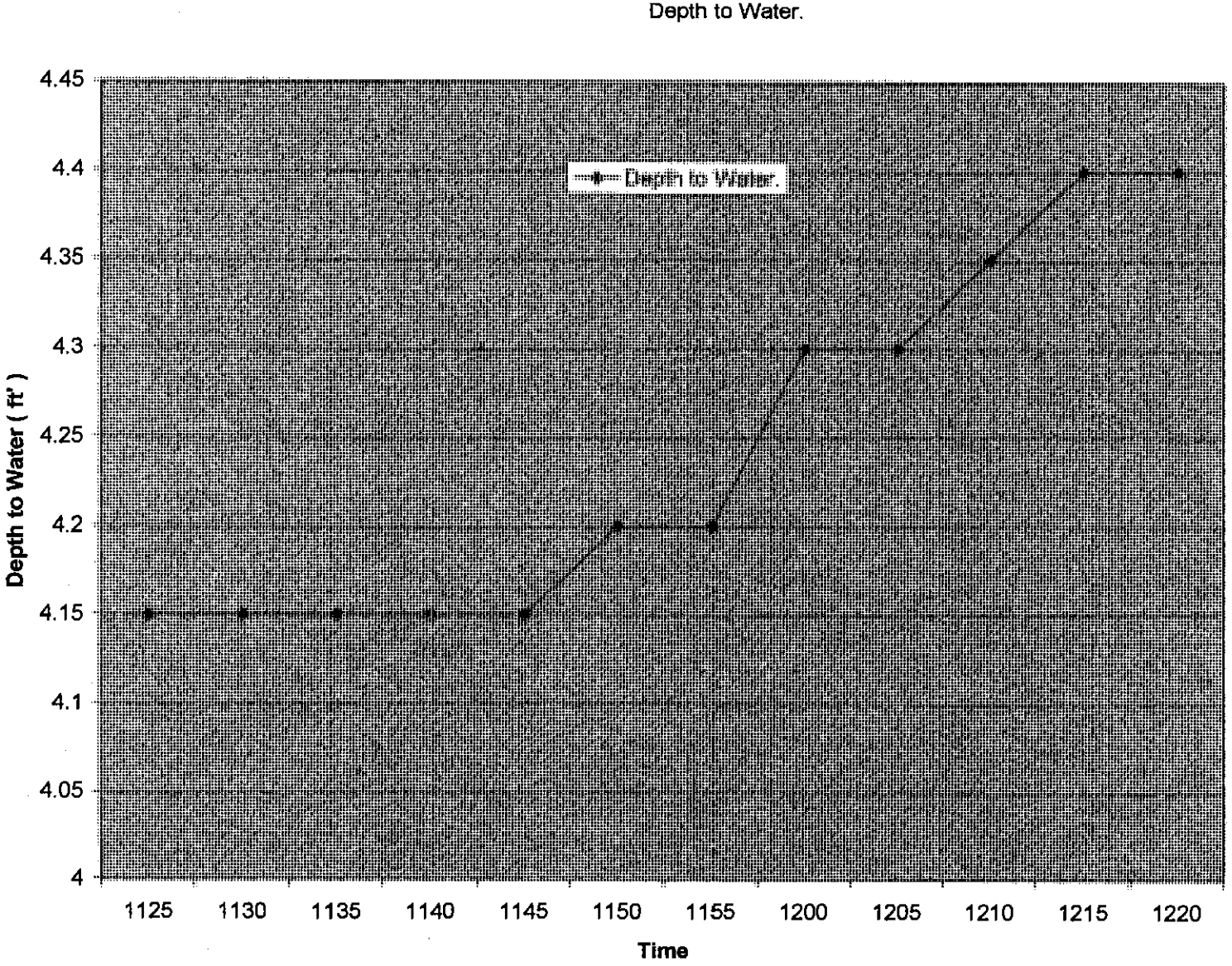
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CW6MW01
Permit #: 29-30970
10/05/00

Turbidity

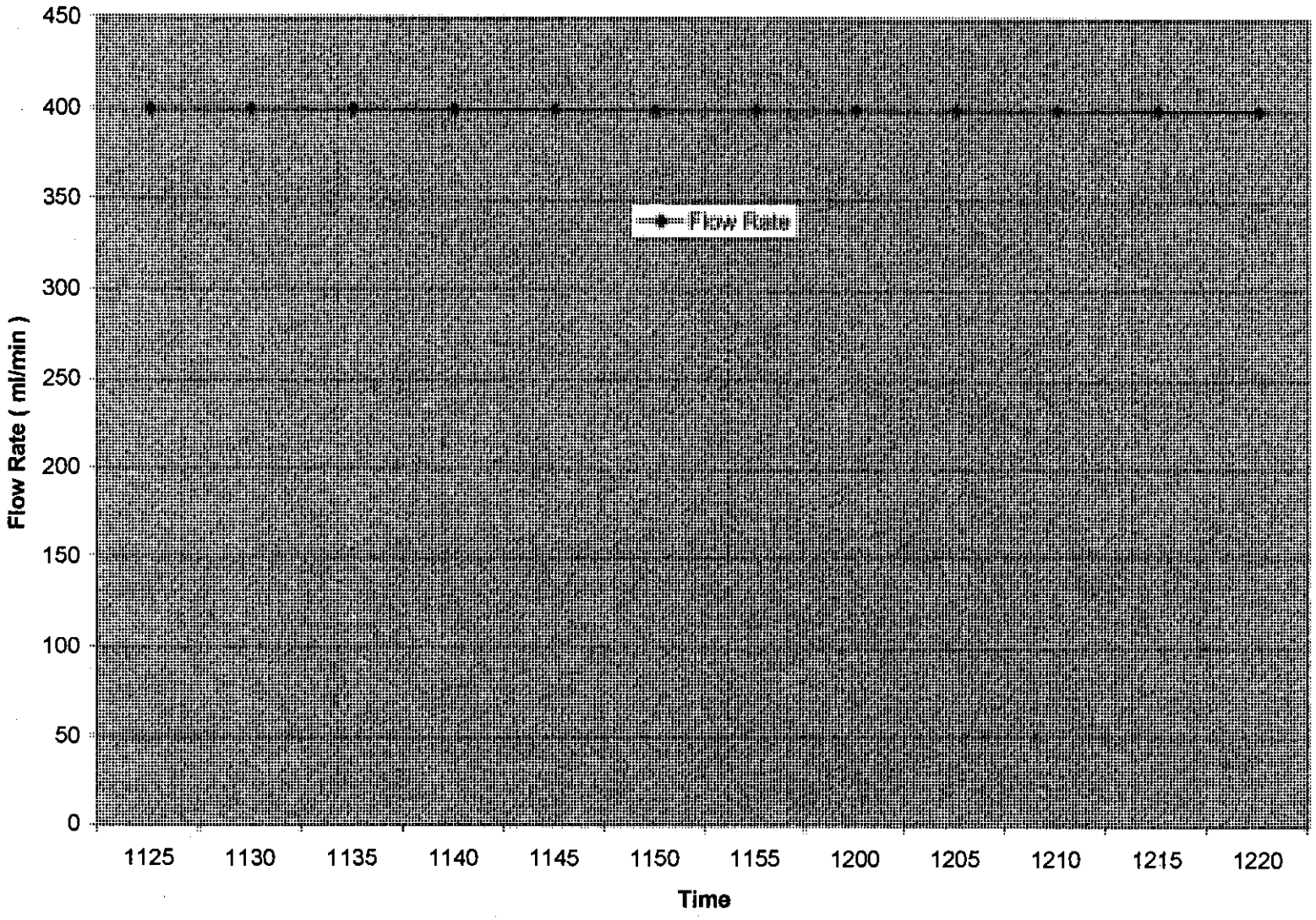


CW6MW01
Permit #: 29-30970
10/05/00



CW6MW01
Permit #: 29-30970
10/05/00

Flow Rate



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6
MW#: 0CW6MW02
NJDEP ID#29-30971
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 10/05/00
WEATHER: Overcast, cool.
TIDE: N/A
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 1.2 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:147.0 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 4 ft
Before Purge Start: 4 ft Previous Day: 4 ft **After Sampling: 4.1 ft**
DEPTH OF WELL: 16.80 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE:13.5 ft
HEIGHT OF WATER: 12.8 ft
(12.8) X .65 X 3 = 24.96
GALLONS OF H2O TO BE PURGED: 25 Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min):
Purged at 400 mL/Min or Gal/Min.
PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

TUBING: Food grade Polyethylene 1/4"/Silicon
(.65 for 4", .163 for 2")
PERISTALTIC
(ml to gal.: ml(.0002642)=gal)

PURGE START TIME: 14:30
pH 5.88 su
DISSOLVED O_2 1.64 mg/L

TEMP 17.96 °C
SPECIFIC CONDUCTIVITY 196.6 ms/cm

PURGE END TIME: 15:40
pH 5.74 su
DISSOLVED O_2 0.29 mg/L

TEMP 17.65 °C
SPECIFIC CONDUCTIVITY 161.8 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 4.1 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 15:31
pH 5.71 su
DISSOLVED O_2 0.33 mg/L

TEMP 17.61 °C
SPECIFIC CONDUCTIVITY 157.6 ms/cm

SAMPLE END TIME: 15:38
ANALYTES: TAL Metals/Pest
COMMENTS: Water to turbid for turbidimeter to read.

FIELD READINGS

MW: 0CW6MW02
NJDEP ID#: 29-30971
DATE: 10/05/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
14:30	5.88	17.96	170.2	196.6	1.64	-	4	400	E3 Message on Turb
14:35	5.92	17.87	171.5	198.5	0.52	-	4	400	E3 Message on Turb
14:40	5.91	17.84	170.5	197.5	0.23	-	4	400	E3 Message on Turb
14:45	5.9	17.85	168.2	199.8	0.21	-	4	400	E3 Message on Turb
14:50	5.89	17.83	166.2	192.5	0.16	-	4	400	E3 Message on Turb
14:55	5.88	17.84	163.6	189.6	0.13	-	4	400	E3 Message on Turb
15:00	5.86	17.84	160.4	185.8	0.11	-	4	400	E3 Message on Turb
15:05	5.82	17.76	154.4	179.2	0.12	-	4	400	E3 Message on Turb
15:10	5.8	17.75	149.5	173.5	0.15	-	4	400	E3 Message on Turb
15:15	5.8	17.76	147.8	171.5	0.2	-	4	400	E3 Message on Turb
15:20	5.76	17.67	142.2	165.3	0.25	-	4	400	E3 Message on Turb
15:25	5.74	17.65	139.1	161.8	0.29	-	4	400	E3 Message on Turb
15:30	5.71	17.61	135.4	157.6	0.33	-	4	400	E3 Message on Turb

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1430	E3 Error-	4	400
1435	Water too turbid	4	400
1440	to get a reading.	4	400
1445		4	400
1450		4	400
1455		4	400
1500		4	400
1505		4	400
1510		4	400
1515		4	400
1520		4.1	400
1525		4.1	400
1530		4.1	400

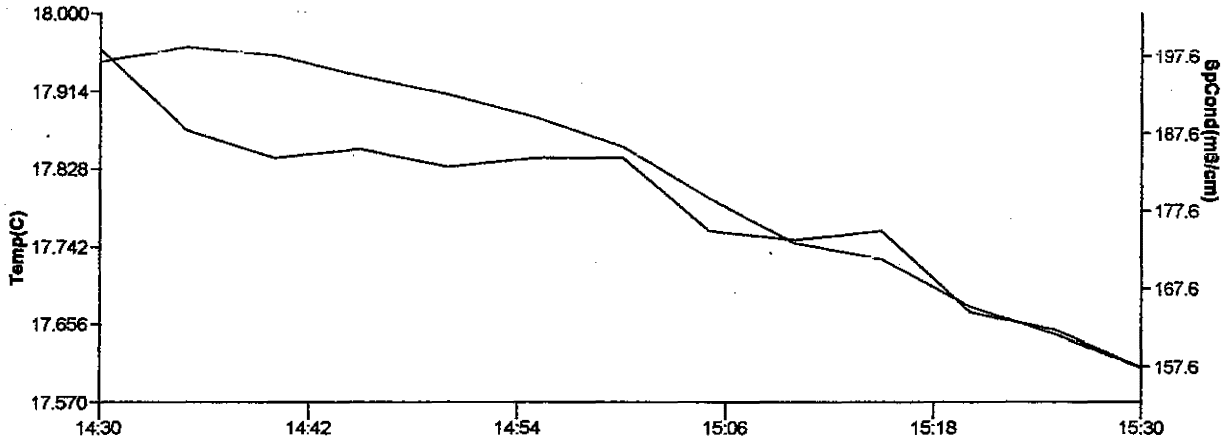
Cw6mw02-
CW6MW02-.DAT
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

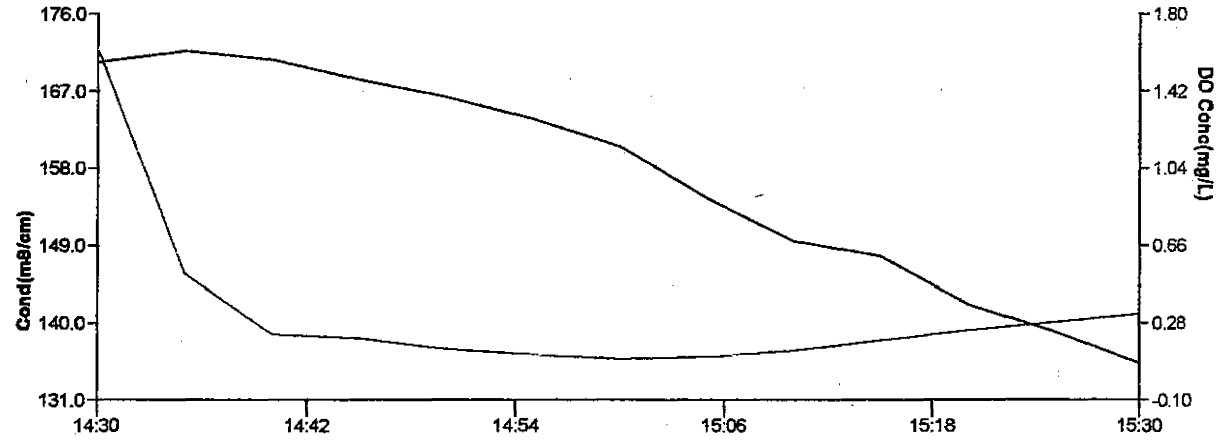
From 10/05/00 14:30 to 10/05/00 15:30
Number of samples: 13

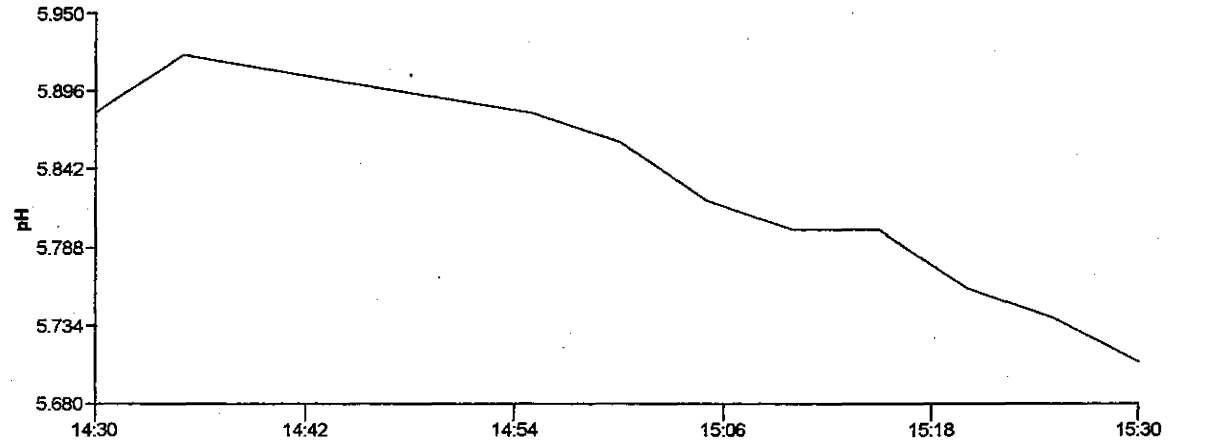
08/24/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
10/05/00 14:30	17.96	196.600	170.200	1.64	5.88
10/05/00 14:35	17.87	198.500	171.500	0.52	5.92
10/05/00 14:40	17.84	197.500	170.500	0.23	5.91
10/05/00 14:45	17.85	194.800	168.200	0.21	5.90
10/05/00 14:50	17.83	192.500	166.200	0.16	5.89
10/05/00 14:55	17.84	189.600	163.600	0.13	5.88
10/05/00 15:00	17.84	185.800	160.400	0.11	5.86
10/05/00 15:05	17.76	179.200	154.400	0.12	5.82
10/05/00 15:10	17.75	173.500	149.500	0.15	5.80
10/05/00 15:15	17.76	171.500	147.800	0.20	5.80
10/05/00 15:20	17.67	165.300	142.200	0.25	5.76
10/05/00 15:25	17.65	161.800	139.100	0.29	5.74
10/05/00 15:30	17.61	157.600	135.400	0.33	5.71

CW6MW02 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH



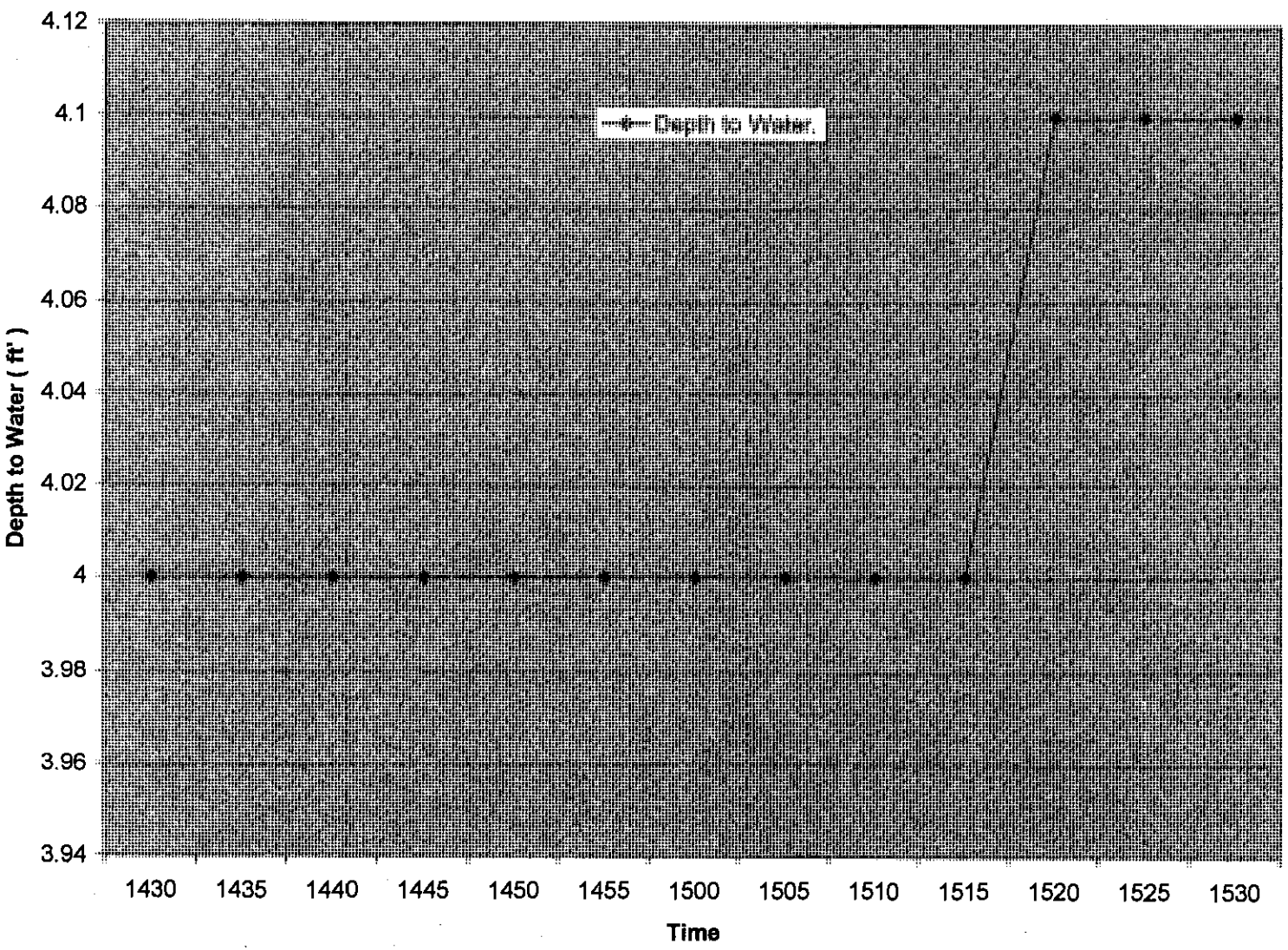




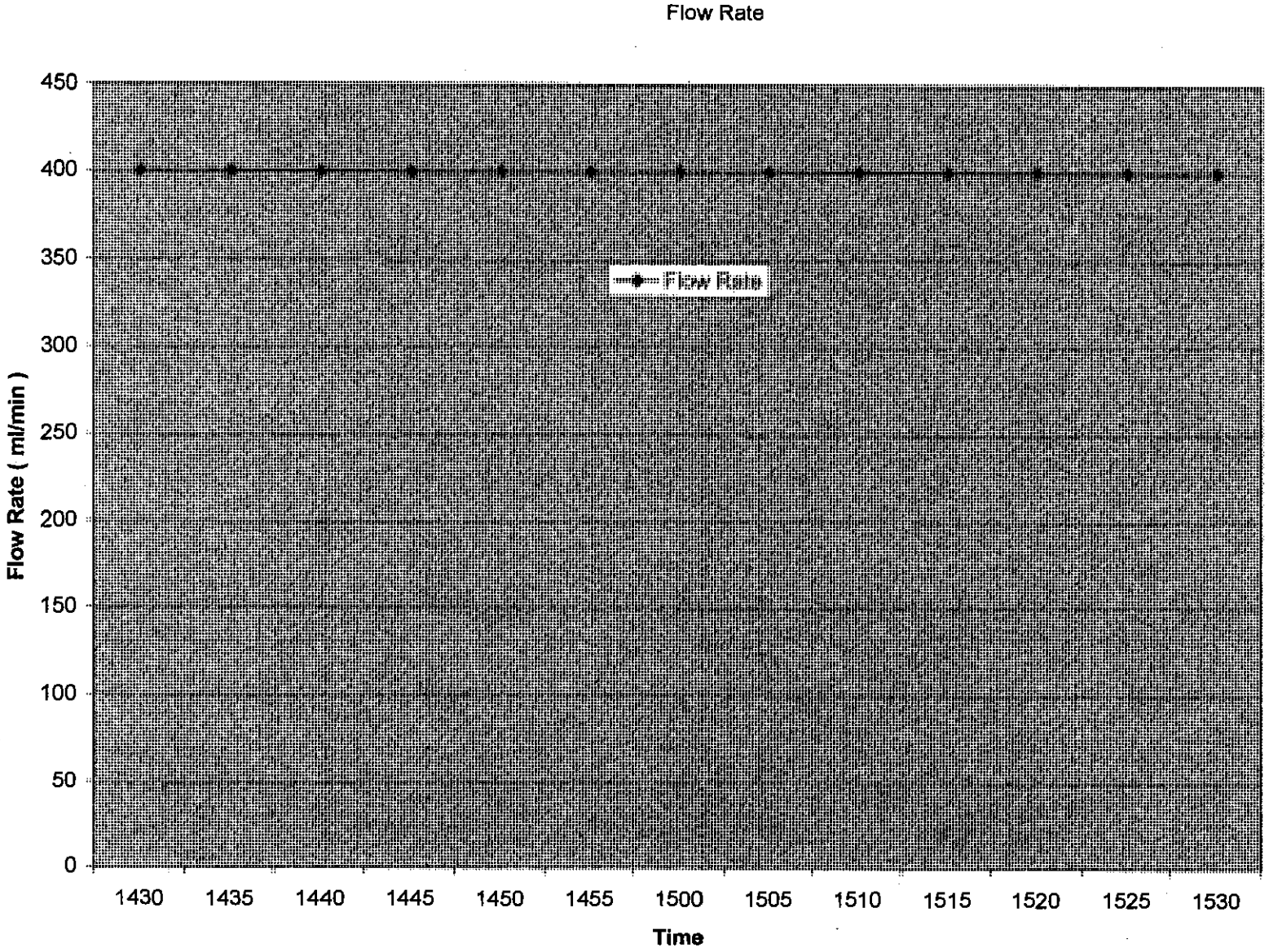
10/05/00 10/05/00 10/05/00 10/05/00 10/05/00 10/05/00

(10/05/00)

CW6MW02
Permit #: 29-30971
10/05/00



CW6MW02
Permit #: 29-30971
10/05/00



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6
MW#: 0CW6MW03
NJDEP ID#29-30972
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 10/05/00
WEATHER: Overcast, cool.
TIDE: N/A
WELL CONDITION: Good, bent cover.
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 1.2 w/ 100 ppm Isobutylene
Sonde Calibration:
pH: 7.00/10.00/4.00 Buffers
Sp Cond/Cond:147.0 µ ohms/cm solution (KCl)
DO: % Humidity 760mm (Barometric Pressure)
Temp: N/A

ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 4.5 ft
Before Purge Start: 4.5 ft **Previous Day: 4.5 ft** **After Sampling: 4.5 ft**
DEPTH OF WELL: 17.78 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE:14 ft
TUBING: Food grade Polyethylene 1/4"/Silicon
HEIGHT OF WATER: 13.28 ft
(13.28) X .65 X 3 = 25.9
(.65 for 4", .163 for 2")
GALLONS OF H2O TO BE PURGED: 26 Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min): PERISTALTIC
Purged at 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: 13:00
pH 4.62 su
TEMP 18.09 °C
DISSOLVED O_2 0.80 mg/L
SPECIFIC CONDUCTIVITY 92.97 ms/cm

PURGE END TIME: 13:58
pH 4.63 su
TEMP 18.13 °C
DISSOLVED O_2 0.46 mg/L
SPECIFIC CONDUCTIVITY 84.59 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 4.5 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 13:51
pH 4.63 su
TEMP 18.08 °C
DISSOLVED O_2 0.45 mg/L
SPECIFIC CONDUCTIVITY 84.62 ms/cm

SAMPLE END TIME: 13:57
ANALYTES: TAL Metals/Pest
COMMENTS:

FIELD READINGS

MW: 0CW6MW03
NJDEP ID#: 29-30972
DATE: 10/05/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
13:00	4.62	18.09	80.7	92.97	0.8	3.28	4.5	400	
13:05	4.6	18.12	79.89	91.97	0.64	2.76	4.5	400	
13:10	4.59	18.18	78.45	90.19	0.59	1.71	4.5	400	
13:15	4.59	18.14	76.4	87.91	0.57	2.15	4.5	400	
13:20	4.6	18.17	75.58	86.91	0.56	1.58	4.5	400	
13:25	4.61	18.21	74.7	85.83	0.55	1.1	4.5	400	
13:30	4.6	18.15	74.07	85.22	0.54	1.11	4.5	400	
13:35	4.62	18.19	73.87	84.92	0.52	1.23	4.5	400	
13:40	4.62	18.1	73.57	84.74	0.45	0.87	4.5	400	
13:45	4.63	18.13	73.5	84.59	0.46	1.01	4.5	400	
13:50	4.63	18.08	73.44	84.62	0.45	1.1	4.5	400	

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
1300	3.28	4.5	400
1305	2.76	4.5	400
1310	1.71	4.5	400
1315	2.15	4.5	400
1320	1.58	4.5	400
1325	1.10	4.5	400
1330	1.11	4.5	400
1335	1.23	4.5	400
1340	0.87	4.5	400
1345	1.01	4.5	400
1350	1.10	4.5	400

Cw6mw03-

CW6MW03 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

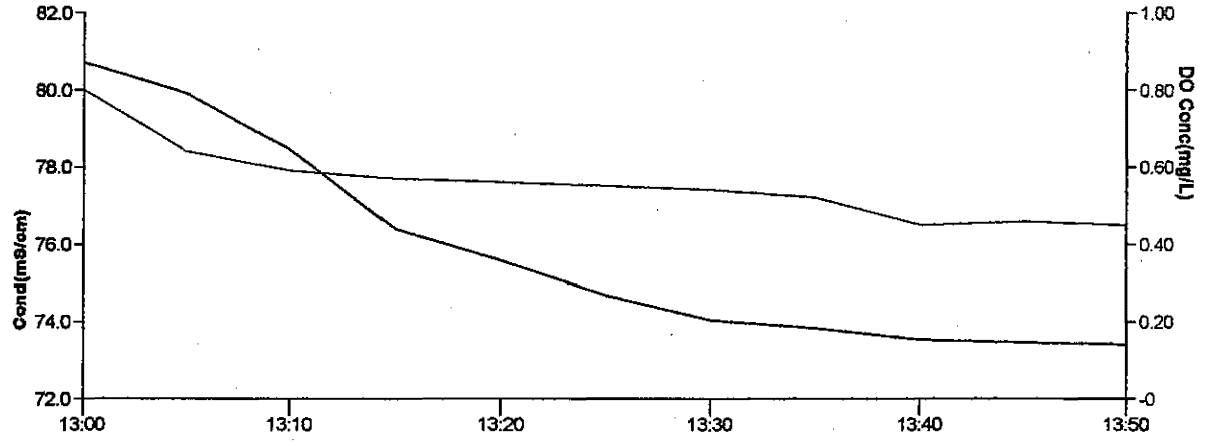
From 10/05/00 13:00 to 10/05/00 13:50
Number of samples: 11

10/05/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
10/05/00 13:00	18.09	92.970	80.700	0.80	4.62
10/05/00 13:05	18.12	91.970	79.890	0.64	4.60
10/05/00 13:10	18.18	90.190	78.450	0.59	4.59
10/05/00 13:15	18.14	87.910	76.400	0.57	4.59
10/05/00 13:20	18.17	86.910	75.580	0.56	4.60
10/05/00 13:25	18.21	85.830	74.700	0.55	4.61
10/05/00 13:30	18.15	85.220	74.070	0.54	4.60
10/05/00 13:35	18.19	84.920	73.870	0.52	4.62
10/05/00 13:40	18.10	84.740	73.570	0.45	4.62
10/05/00 13:45	18.13	84.590	73.500	0.46	4.63
10/05/00 13:50	18.08	84.620	73.440	0.45	4.63

CW6MW03 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH



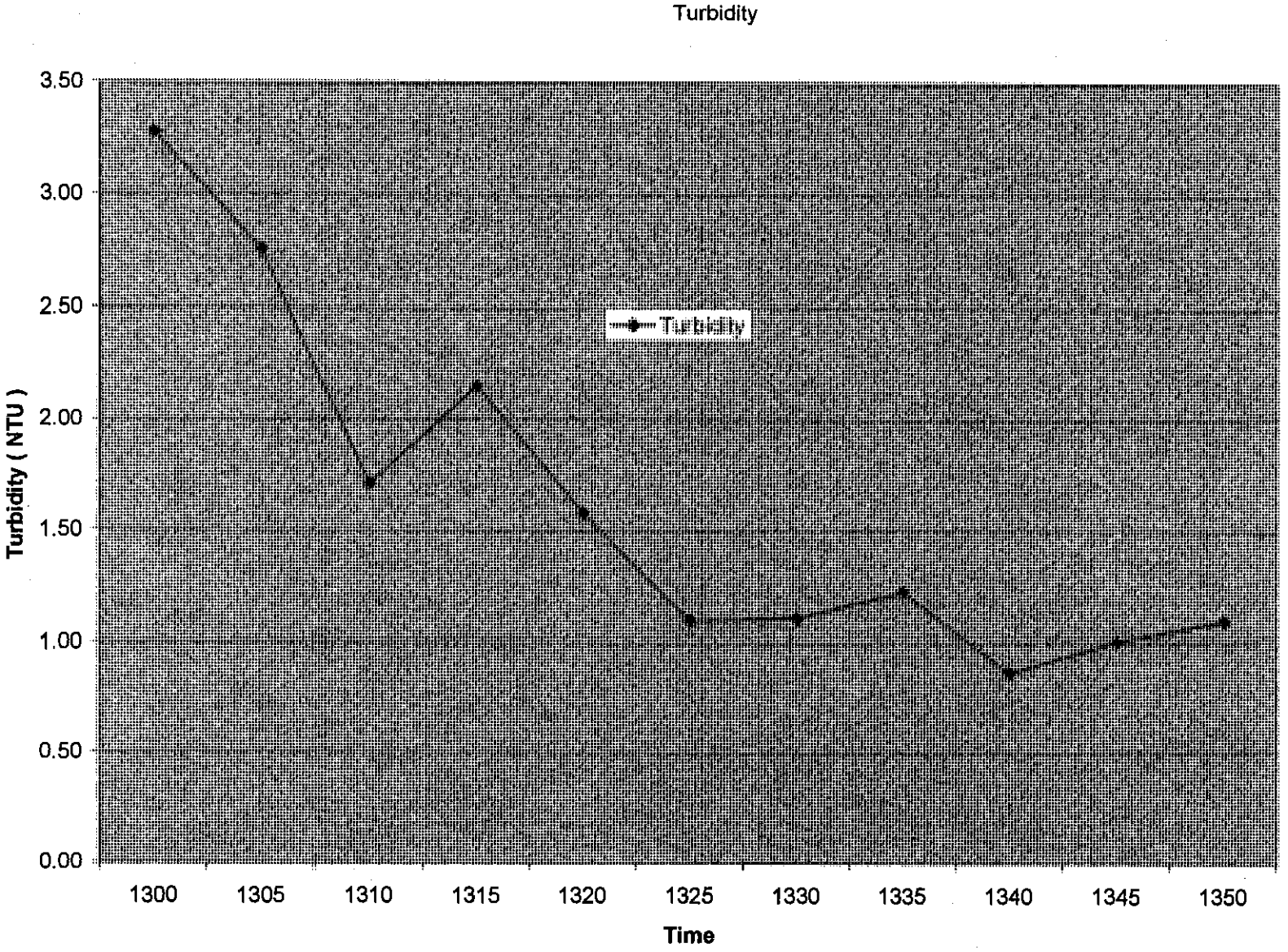




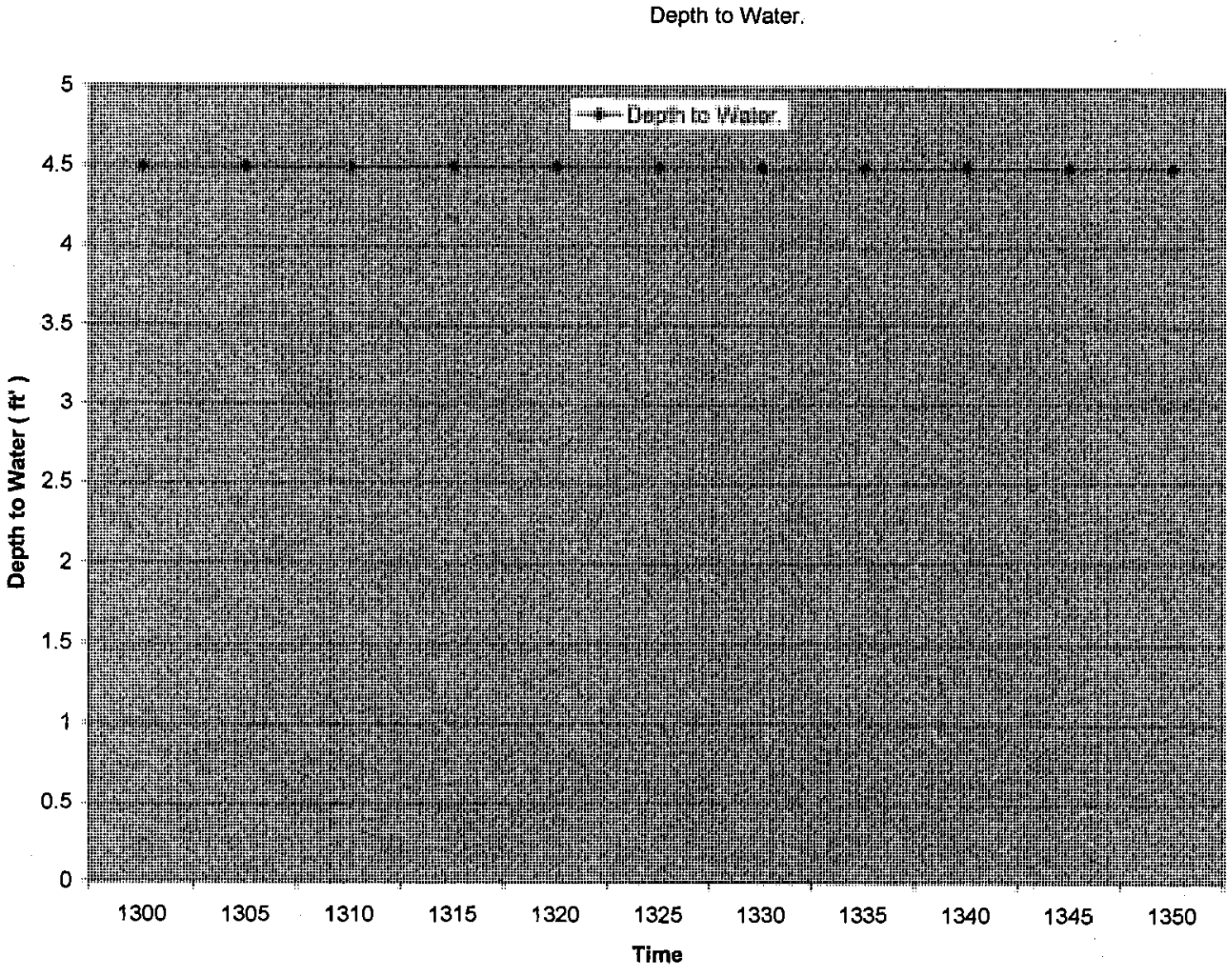
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(10/05/00)

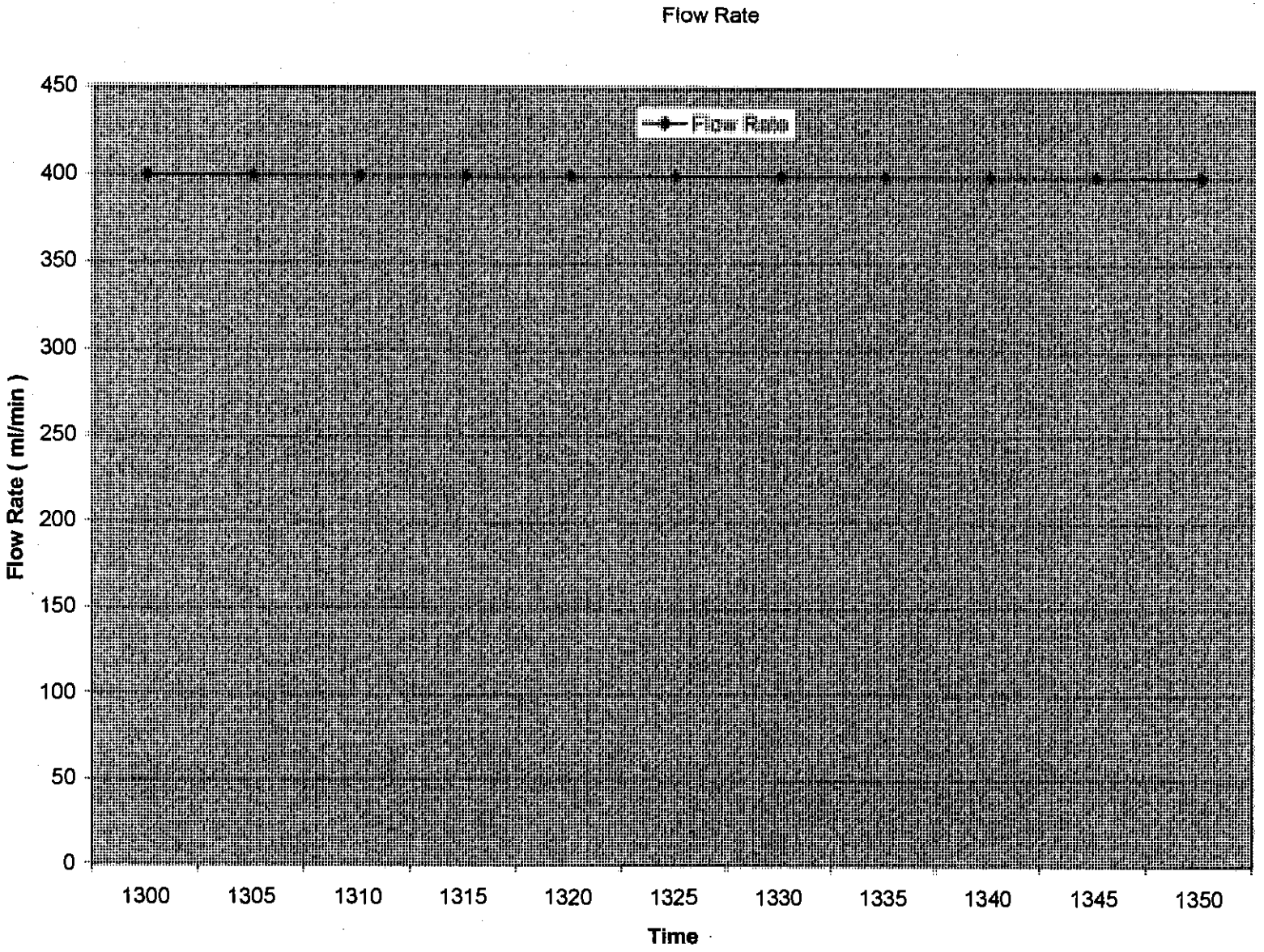
CW6MW03
Permit #: 29-30972
10/05/00



CW6MW03
Permit #: 29-30972
10/05/00



CW6MW03
Permit #: 29-30972
10/05/00



U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6
MW#: 0CW6MW34
NJDEP ID#29-32599
NJDEP CERT # 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: David Sharpe
DATE: 10/05/00
WEATHER: Overcast, cool.
TIDE: N/A
WELL CONDITION: Good
LNAPLs: N
DNAPLs: N

Hnu Calibration: Span 2.3 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: 4.2 ft
Before Purge Start: 4.2 ft **Previous Day: 4.25 ft** **After Sampling: 4.2 ft**
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: N/A ft
DEPTH OF PUMP/TUBE INTAKE:14 ft
TUBING: Food grade Polyethylene 1/4"/Silicon
HEIGHT OF WATER: 12.7 ft
(12.7) X .65 X 3 =24.76
(.65 for 4", .163 for 2")
GALLONS OF H2O TO BE PURGED: 25 Gal
PURGE METHOD:(FLOW at >100 TO <500 ml/Min): PERISTALTIC
Purged at 290 mL/Min or Gal/Min. (ml to gal.: ml(.0002642)=gal)
PURGE RATE: gpm
Hnu READING: 0 ppm (Well)
Hnu READING: 0 ppm (Well Cap)

PURGE START TIME: 09:40
pH 5.92 su
TEMP 15.68 °C
DISSOLVED O_2 4.30 mg/L
SPECIFIC CONDUCTIVITY 128.1 ms/cm

PURGE END TIME: 10:43
pH 5.47 su
TEMP 15.82 °C
DISSOLVED O_2 2.62 mg/L
SPECIFIC CONDUCTIVITY 115.54 ms/cm

DEPTH TO H2O AFTER PURGE AND SAMPLING: 4.2 ft
(SAMPLING METHOD: Through pump, Tubing with flow cell disconnected.)

SAMPLE START TIME: 10:35
pH 5.49 su
TEMP 15.80 °C
DISSOLVED O_2 2.65 mg/L
SPECIFIC CONDUCTIVITY 114.6 ms/cm

SAMPLE END TIME: 10:42
ANALYTES: TAL Metals/Pest
COMMENTS: DUP. Here.

FIELD READINGS

MW: 0CW6MW34
NJDEP ID#: 29-32599
DATE: 10/05/00

Time (Min.)	pH	Temp. (°C)	Cond.	Specific Cond.	Dissolved O_2 (mg/L)	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/Min)	Notes
9:40	5.92	15.68	105.3	128.1	4.3	19.3	4.2	290	
9:45	5.5	15.74	103.5	125.7	2.66	16.6	4.2	290	
9:50	5.49	18.74	101.3	123.1	2.66	18.1	4.2	290	
9:55	5.52	15.74	99.9	121.4	2.63	12.2	4.2	290	
10:00	5.52	15.75	99.18	120.5	2.59	9.62	4.2	290	
10:05	5.51	15.74	98.61	119.8	2.57	13.6	4.2	290	
10:10	5.51	15.76	97.71	118.6	2.58	9.14	4.2	290	
10:15	5.5	15.79	97.23	118	2.59	10.4	4.2	290	
10:20	5.49	15.8	96.43	117	2.59	9.65	4.2	290	
10:25	5.5	15.81	95.84	116.2	2.56	8.81	4.2	290	
10:30	5.47	15.82	95.2	115.4	2.62	8.43	4.2	290	
10:35	5.49	15.8	94.45	114.6	2.65	7.95	4.2	290	

Time	Turbidity (NTU)	Depth to Water (ft)	Flow Rate (ml/min)
940	19.30	4.2	290
945	16.60	4.2	290
950	18.10	4.2	290
955	12.20	4.2	290
1000	9.62	4.2	290
1005	13.60	4.2	290
1010	9.14	4.2	290
1015	10.40	4.2	290
1020	9.65	4.2	290
1025	8.81	4.2	290
1030	8.43	4.2	290
1035	7.95	4.2	290

Cw6mw34-

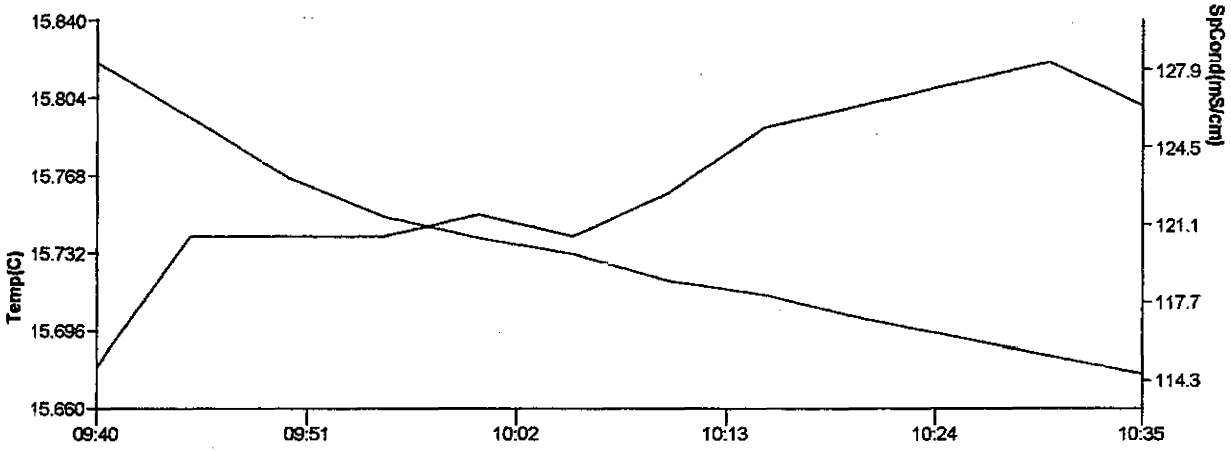
CW6MW34 Low Flow Data For
Temp., Sp. Cond., Cond., D.O., pH
-- Data Report --

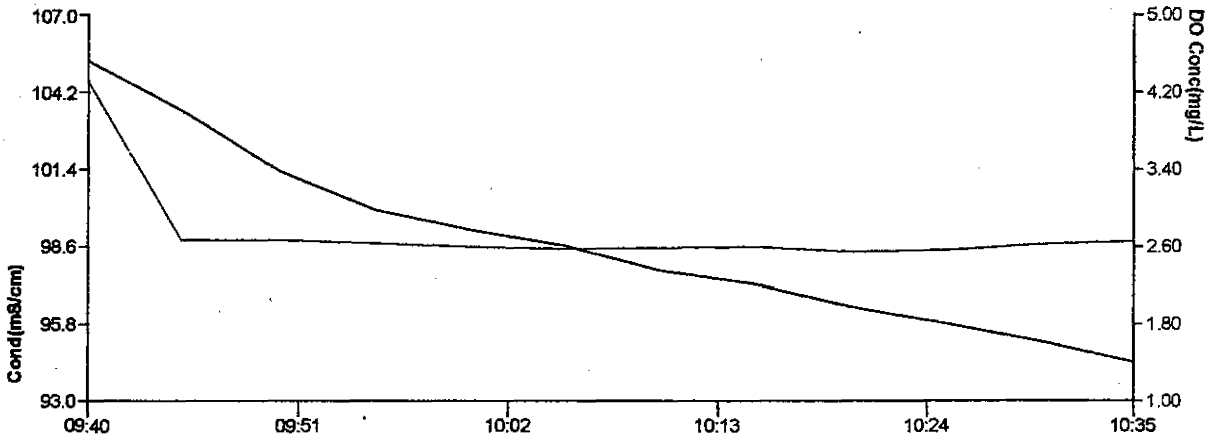
From 10/05/00 09:40 to 10/05/00 10:35
Number of samples: 12

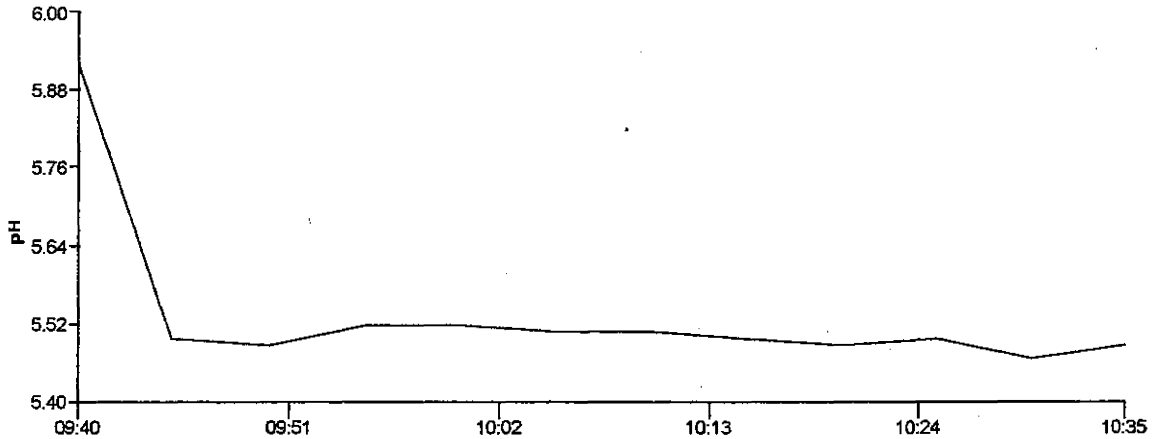
10/05/00	Temp C	SpCond mS/cm	Cond mS/cm	DO Conc mg/L	pH
10/05/00 09:40	15.68	128.100	105.300	4.30	5.92
10/05/00 09:45	15.74	125.700	103.500	2.66	5.50
10/05/00 09:50	15.74	123.100	101.300	2.66	5.49
10/05/00 09:55	15.74	121.400	99.900	2.63	5.52
10/05/00 10:00	15.75	120.500	99.180	2.59	5.52
10/05/00 10:05	15.74	119.800	98.610	2.57	5.51
10/05/00 10:10	15.76	118.600	97.710	2.58	5.51
10/05/00 10:15	15.79	118.000	97.230	2.59	5.50
10/05/00 10:20	15.80	117.000	96.430	2.54	5.49
10/05/00 10:25	15.81	116.200	95.840	2.56	5.50
10/05/00 10:30	15.82	115.400	95.200	2.62	5.47
10/05/00 10:35	15.80	114.600	94.450	2.65	5.49

CW6MW34 Low Flow Data For

Temp., Sp. Cond., Cond., D.O., pH





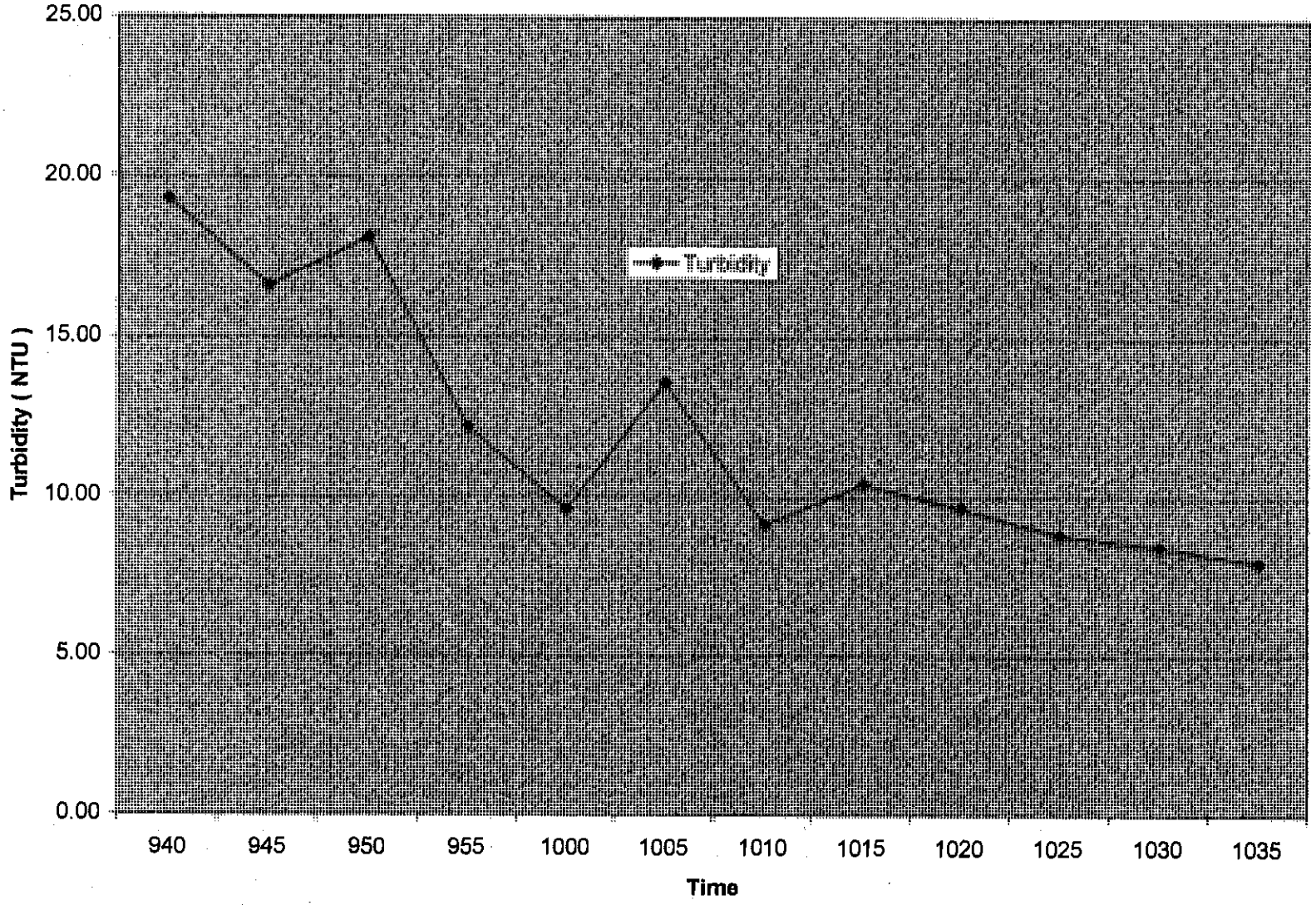


10/05/00 10/05/00 10/05/00 10/05/00 10/05/00 10/05/00

(10/05/00)

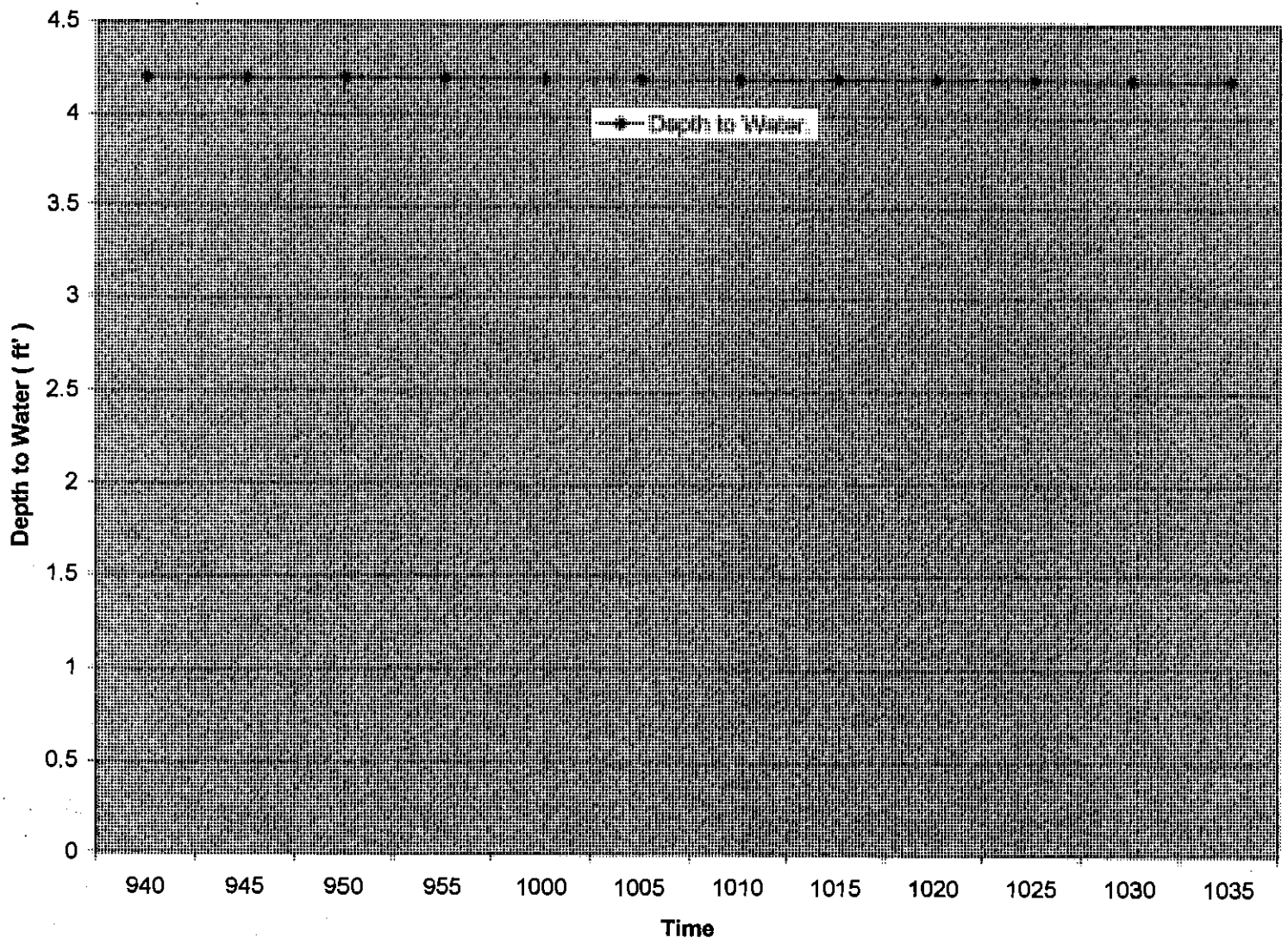
CW6MW34
Permit #: 29-32599
10/05/00

Turbidity

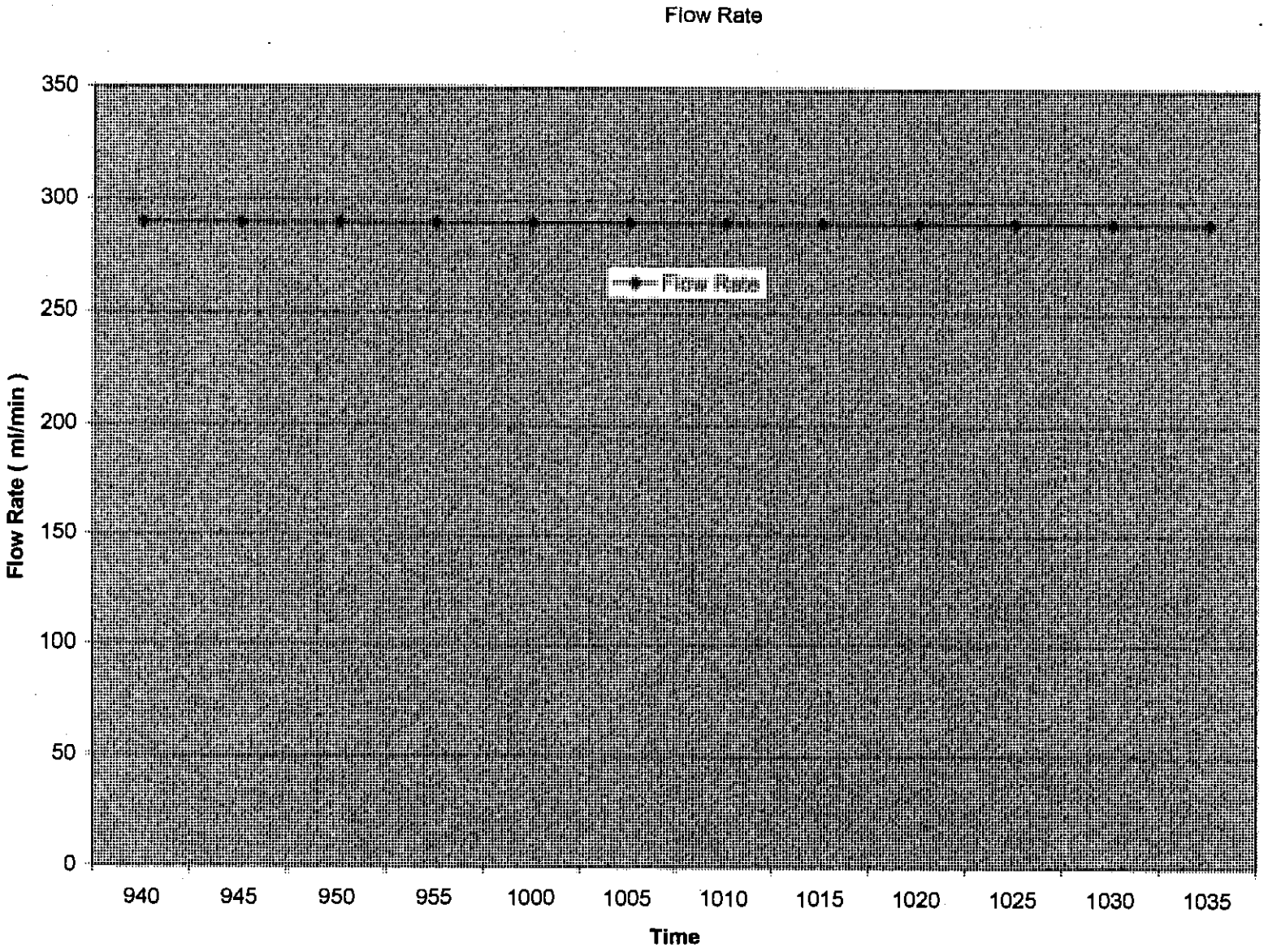


CW6MW34
Permit #: 29-32599
10/05/00

Depth to Water.



CW6MW34
Permit #: 29-32599
10/05/00



PESTICIDES

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

Client :	U.S. Army	**Lab. ID # :**	PBLK603
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	10/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/10/00
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 # :**	5771.01
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/5/00
	Bldg. 173	**Extraction Date:**	10/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/10/00
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	FB
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 # :**	5771.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/5/00
	Bldg. 173	**Extraction Date:**	10/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/10/00
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	FD
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 # :**	5771.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/5/00
	Bldg. 173	**Extraction Date:**	10/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/10/00
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW01
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	16.09	0.20	0.0020	**0.039**
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	18.31	0.10	0.0020	**0.027**
4,4'-DDT	1	19.57	0.10	0.0052	**0.009**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1	16.71	0.50	0.0036	**0.066**
Gamma-chlordane	1	16.72	0.50	0.0007	**0.053**
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 # :**	5771.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/5/00
	Bldg. 173	**Extraction Date:**	10/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/10/00
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW02
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 # :**	5771.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/5/00
	Bldg. 173	**Extraction Date:**	10/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/10/00
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW03
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 # :**	5771.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	10/5/00
	Bldg. 173	**Extraction Date:**	10/6/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	10/10/00
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW34
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

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 #: 5771
Sample Prepared: 10/18/00

Site: CW-6
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	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	10.0
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 #: 5771.01
Sample Received: 10/05/00
Sample Matrix: Aqueous

Site: CW-6
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	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	1.0
Magnesium	10/19/00	40.8	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 #: 5771.02
Sample Received: 10/05/00
Sample Matrix: Aqueous

Site: CW-6
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	10/19/00	329	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	ND	8	2.0
Barium	10/19/00	45.4	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	2.31	4	0.5
Calcium	10/19/00	13300	NLE	20.0
Chromium	10/19/00	4.35	100	0.5
Cobalt	10/19/00	1.96	NLE	0.5
Copper	10/19/00	2140	1000	2.0
Iron	10/19/00	1750	300	10.0
Lead	10/19/00	338	10	1.0
Magnesium	10/19/00	3280	NLE	10.0
Manganese	10/19/00	43.2	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	75.0	100	1.0
Potassium	10/19/00	4060	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	18200	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	0.973	NLE	0.5
Zinc	10/19/00	3480	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 #: 5771.04
Sample Received: 10/05/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW01

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/19/00	183	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	2.73	8	2.0
Barium	10/19/00	44.8	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	ND	4	0.5
Calcium	10/19/00	79200	NLE	20.0
Chromium	10/19/00	7.15	100	0.5
Cobalt	10/19/00	1.41	NLE	0.5
Copper	10/19/00	48.4	1000	2.0
Iron	10/19/00	1910	300	10.0
Lead	10/19/00	ND	10	1.0
Magnesium	10/19/00	15700	NLE	10.0
Manganese	10/19/00	499	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	7.05	100	1.0
Potassium	10/19/00	7490	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	226000	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	2.18	NLE	0.5
Zinc	10/19/00	17.6	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 #: 5771.06
Sample Received: 10/05/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW02

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/19/00	183000	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	77.5	8	2.0
Barium	10/19/00	935	2000	0.5
Beryllium	10/19/00	11.8	20	0.5
Cadmium	10/19/00	ND	4	0.5
Calcium	10/19/00	35300	NLE	20.0
Chromium	10/19/00	482	100	0.5
Cobalt	10/19/00	18.0	NLE	0.5
Copper	10/19/00	55.9	1000	2.0
Iron	10/19/00	159000	300	10.0
Lead	10/19/00	187	10	1.0
Magnesium	10/19/00	33700	NLE	10.0
Manganese	10/19/00	423	50	0.5
Mercury	10/17/00	0.2	2	0.1
Nickel	10/19/00	49.5	100	1.0
Potassium	10/19/00	24200	NLE	40.0
Selenium	10/19/00	3.40	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	123000	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	374	NLE	0.5
Zinc	10/19/00	402	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 #: 5771.05
Sample Received: 10/05/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW03

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/19/00	235	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	ND	8	2.0
Barium	10/19/00	52.0	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	0.664	4	0.5
Calcium	10/19/00	11800	NLE	20.0
Chromium	10/19/00	0.816	100	0.5
Cobalt	10/19/00	2.15	NLE	0.5
Copper	10/19/00	ND	1000	2.0
Iron	10/19/00	132	300	10.0
Lead	10/19/00	ND	10	1.0
Magnesium	10/19/00	2600	NLE	10.0
Manganese	10/19/00	28.8	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	3.61	100	1.0
Potassium	10/19/00	753	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	14600	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	ND	NLE	0.5
Zinc	10/19/00	64.0	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 #: 5771.03
Sample Received: 10/05/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW34

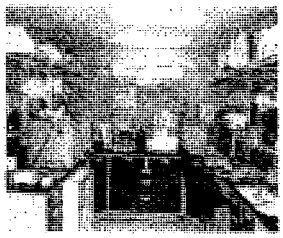
TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	10/19/00	342	200	10.0
Antimony	10/19/00	ND	20	2.0
Arsenic	10/19/00	ND	8	2.0
Barium	10/19/00	49.1	2000	0.5
Beryllium	10/19/00	ND	20	0.5
Cadmium	10/19/00	ND	4	0.5
Calcium	10/19/00	13900	NLE	20.0
Chromium	10/19/00	4.15	100	0.5
Cobalt	10/19/00	1.84	NLE	0.5
Copper	10/19/00	81.6	1000	2.0
Iron	10/19/00	1790	300	10.0
Lead	10/19/00	13.9	10	1.0
Magnesium	10/19/00	3480	NLE	10.0
Manganese	10/19/00	43.0	50	0.5
Mercury	10/17/00	ND	2	0.1
Nickel	10/19/00	ND	100	1.0
Potassium	10/19/00	4240	NLE	40.0
Selenium	10/19/00	ND	50	3.0
Silver	10/19/00	ND	20	1.0
Sodium	10/19/00	19900	50000	20.0
Thallium	10/19/00	ND	10	2.0
Vanadium	10/19/00	ND	NLE	0.5
Zinc	10/19/00	236	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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5848.04	0CW6MW01	29-30970	11/09/00
5848.05	0CW6MW02	29-30971	11/09/00
5848.06	0CW6MW03	29-30972	11/09/00
5848.07	0CW6MW34	29-32599	11/09/00

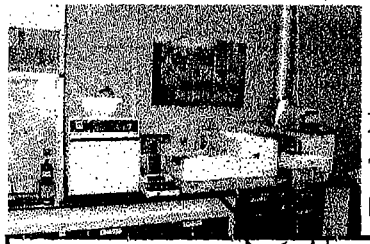
NJDEP Laboratory Certification # 13461

11-20-02

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 #: X26223
(X)DERA ( )OMA ( )Other:_____
Project No:
Location: CW6 4th Qtr 00'
Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA's	TAL MTLS	Pest/PCB	BNA+25				Hno3 Pres'd	Remarks / Preservation Method
58418. .01	Trip	11/9/00	0737	AQ	2	✓							—	
.02	Field Blank		1000		5	✓	✓	✓	✓				—	
.03	Dupe		—		5	✓	✓	✓	✓				—	
.04	CW6 MW01		1019		5	✓	✓	✓	✓				0.0	29-30970
.05	CW6 MW02		1040		9	✓	✓	✓	✓				0.0	29-30971
.06	CW6 MW03		1030		5	✓	✓	✓	✓				0.0	29-30972
.07	CW6 MW34 *	↓	1008	↓	5	✓	✓	✓	✓				0.0	29-32599
		OTW only												
29-32600	CW6 MW35 :	5.99	'ft											
29-32601	CW6 MW36 :	6.09	'ft											

Comments: HCL/HNO3/4°C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	11/9/00 1430				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks: Tide: N/A
Entire area has been changed. Bldg removed, new pavement, curb soil heights increased.
MS/MSDS here.
Shows T/FB/Dp w/ 2000/2067 Sample by CPM

Coc.xls9/27/00

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW01
NJDEP ID #: 29-30970
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/09/00
WEATHER: Overcast, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.34 ft
DEPTH OF WELL: 17.89 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.55 ft
(12.55) X .65 X 3 =24.47
GALLONS OF H2O TO BE PURGED: 24 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:31
pH 6.87 su — TEMP 14.7 °C
DISSOLVED O2 5.80 ppm — SPECIFIC CONDUCTIVITY 327 us/cm

PURGE END TIME: 10:15
pH 6.80 su — TEMP 14.4 °C
DISSOLVED O2 4.19 ppm — SPECIFIC CONDUCTIVITY 320 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 5.53 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 24 gal

SAMPLE START TIME: 10:19
pH 6.80 su — TEMP 14.3 °C
DISSOLVED O2 4.17 ppm — SPECIFIC CONDUCTIVITY 319 us/cm

SAMPLE END TIME: 10:29

COMMENTS: New road surface present. Cloud, yellow.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW02
NJDEP ID #: 29-30971
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/09/00
WEATHER: Overcast, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.44 ft
DEPTH OF WELL: 16.80 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.36 ft
(11.36) X .65 X 3 =22.15
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:41
pH 6.67 su — TEMP 16.7 °C
DISSOLVED O2 5.71 ppm — SPECIFIC CONDUCTIVITY 133.9 us/cm

PURGE END TIME: 10:16
pH 6.65 su — TEMP 16.3 °C
DISSOLVED O2 4.09 ppm — SPECIFIC CONDUCTIVITY 132.8 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: 22 gal

SAMPLE START TIME: 10:40
pH 6.65 su — TEMP 16.4 °C
DISSOLVED O2 4.07 ppm — SPECIFIC CONDUCTIVITY 132.7 us/cm

SAMPLE END TIME: 10:49

COMMENTS: Soil raised. New road and curb, MS/MSD here. Very cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW03
NJDEP ID #: 29-30972
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/09/00
WEATHER: Overcast, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.05 ft
DEPTH OF WELL: 17.78 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.73 ft
(11.73) X .65 X 3 =22.87
GALLONS OF H2O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:36
pH 6.79 su
DISSOLVED O2 5.99 ppm
TEMP 16.9 °C
SPECIFIC CONDUCTIVITY 98.9 us/cm

PURGE END TIME: 10:16
pH 6.73 su
DISSOLVED O2 4.32 ppm
TEMP 16.5 °C
SPECIFIC CONDUCTIVITY 98.2 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.27 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 10:30
pH 6.71 su
DISSOLVED O2 4.31 ppm
TEMP 16.6 °C
SPECIFIC CONDUCTIVITY 98.3 us/cm

SAMPLE END TIME: 10:39

COMMENTS: Soil raised. New road and curb.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW34
NJDEP ID #: 29-32599
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/09/00
WEATHER: Overcast, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.33 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.57 ft
(11.57) X .65 X 3 =22.56
GALLONS OF H2O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:27
pH 6.59 su — TEMP 15.5 °C
DISSOLVED O2 5.76 ppm — SPECIFIC CONDUCTIVITY 141.7 us/cm

PURGE END TIME: 10:07
pH 6.56 su — TEMP 15.3 °C
DISSOLVED O2 4.29 ppm — SPECIFIC CONDUCTIVITY 140.2 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 5.69 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 10:08
pH 6.56 su — TEMP 15.4 °C
DISSOLVED O2 4.27 ppm — SPECIFIC CONDUCTIVITY 140.3 us/cm

SAMPLE END TIME: 10:18

COMMENTS: DUP. Here. Cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW35
NJDEP ID # 29-32600
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/09/00
WEATHER: Overcast, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.99 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =
GALLONS OF H2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
PH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

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

SAMPLE START TIME:
PH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW-6 (2044)
MW#: 0CW6MW36
NJDEP ID #: 29-32601
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/09/00
WEATHER: Overcast, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.09 ft
DEPTH OF WELL: 16.95 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =
GALLONS OF H2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
PH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

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

SAMPLE START TIME:
PH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

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 #13461

Data File	VB008767.D	Sample Name	Vblk257
Operator	Skelton	Field ID	Vblk257
Date Acquired	13 Nov 2000 5:38 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
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	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. **Vblk257**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5848 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk257

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008767.D

Level: (low/med) LOW Date Received: 11/9/00

% Moisture: not dec. Date Analyzed: 11/13/00

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	**VB008773.D**	Sample Name	**5848.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**13 Nov 2000 9:38 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
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	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5848 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5848.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008773.D

Level: (low/med) LOW Date Received: 11/9/00

% Moisture: not dec. Date Analyzed: 11/13/00

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	**VB008774.D**	Sample Name	**5848.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**13 Nov 2000 10:18 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
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	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.

Field Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5848 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5848.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008774.D

Level: (low/med) LOW Date Received: 11/9/00

% Moisture: not dec. Date Analyzed: 11/13/00

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	**VB008775.D**	Sample Name	**5848.03**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**13 Nov 2000 10:58 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	9.27	60469	3.28 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
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	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5848 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5848.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008775.D

Level: (low/med) LOW Date Received: 11/9/00

% Moisture: not dec. Date Analyzed: 11/13/00

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	**VB008776.D**	Sample Name	**5848.04**
Operator	**Skelton**	Field ID	**0CW6MW01**
Date Acquired	**13 Nov 2000 11:38 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	9.27	144485	7.78 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	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
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	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. **0CW6MW01**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5848 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5848.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008776.D

Level: (low/med) LOW Date Received: 11/9/00

% Moisture: not dec. Date Analyzed: 11/13/00

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	**VB008777.D**	Sample Name	**5848.05**
Operator	**Skelton**	Field ID	**0CW6MW02**
Date Acquired	**14 Nov 2000 12:18 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	9.28	204341	11.15 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	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
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	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. **0CW6MW02**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5848 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5848.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008777.D

Level: (low/med) LOW Date Received: 11/9/00

% Moisture: not dec. Date Analyzed: 11/14/00

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	**VB008778.D**	Sample Name	**5848.06**
Operator	**Skelton**	Field ID	**0CW6MW03**
Date Acquired	**14 Nov 2000 12:58 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
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	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.

0CW6MW03

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5848 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5848.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008778.D

Level: (low/med) LOW Date Received: 11/9/00

% Moisture: not dec. Date Analyzed: 11/14/00

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	**VB008779.D**	Sample Name	**5848.07**
Operator	**Skelton**	Field ID	**0CW6MW34**
Date Acquired	**14 Nov 2000 1:38 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	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
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	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.

0CW6MW34

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5848 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5848.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008779.D

Level: (low/med) LOW Date Received: 11/9/00

% Moisture: not dec. Date Analyzed: 11/14/00

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

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04659.D**	Sample Name	**Sblk436**
Operator	**Bhaskar**	Misc Info	**Sblk436 A 001114**
Date Acquired	**15-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04659.D**	Sample Name	**Sblk436**
Operator	**Bhaskar**	Misc Info	**Sblk436 A 001114**
Date Acquired	**15-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **Sblk436**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5848 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Sblk436

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04659.D

Level: (low/med) LOW Date Received: 11/9/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/15/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.44	4	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04661.D**	Sample Name	**5848.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**15-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04661.D**	Sample Name	**5848.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**15-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	28.27	97006	4.58 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: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5848 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5848.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04661.D

Level: (low/med) LOW Date Received: 11/9/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/15/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.44	5	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04662.D**	Sample Name	**5848.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**15-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BNA04662.D**	Sample Name	**5848.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**15-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **Dupe**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5848 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5848.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04662.D

Level: (low/med) LOW Date Received: 11/9/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/15/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.44	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04663.D**	Sample Name	**5848.04**
Operator	**Bhaskar**	Misc Info	**CW6MW01**
Date Acquired	**15-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA04663.D**	Sample Name	**5848.04**
Operator	**Bhaskar**	Misc Info	**CW6MW01**
Date Acquired	**15-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW6MW01**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5848 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5848.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04663.D

Level: (low/med) LOW Date Received: 11/9/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/15/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.44	6	J
2.	unknown	30.48	5	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04664.D**	Sample Name	**5848.05**
Operator	**Bhaskar**	Misc Info	**CW6MW02**
Date Acquired	**15-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
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	**BNA04664.D**	Sample Name	**5848.05**
Operator	**Bhaskar**	Misc Info	**CW6MW02**
Date Acquired	**15-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW6MW02**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5848 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5848.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04664.D

Level: (low/med) LOW Date Received: 11/9/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/15/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.44	7	J
2. 000105-60-2	Caprolactam	14.82	6	JN
3.	unknown	34.26	12	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04667.D**	Sample Name	**5848.06**
Operator	**Bhaskar**	Misc Info	**CW6MW03**
Date Acquired	**15-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
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	**BNA04667.D**	Sample Name	**5848.06**
Operator	**Bhaskar**	Misc Info	**CW6MW03**
Date Acquired	**15-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW6MW03**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5848 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5848.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04667.D

Level: (low/med) LOW Date Received: 11/9/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/15/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.44	5	J
2. 000105-60-2	Caprolactam	14.83	4	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04668.D**	Sample Name	**5848.07**
Operator	**Bhaskar**	Misc Info	**CW6MW34**
Date Acquired	**15-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
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	**BNA04668.D**	Sample Name	**5848.07**
Operator	**Bhaskar**	Misc Info	**CW6MW34**
Date Acquired	**15-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW6MW34**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5848 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5848.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04668.D

Level: (low/med) LOW Date Received: 11/9/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/15/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.44	6	J
2. 000105-60-2	Caprolactam	14.82	4	JN
3. 056009-20-2	Cyclohexane, 1-(1,5-dimethylhex	30.48	12	JN

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

Client :	U.S. Army	**Lab. ID # :**	PBLK624
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	11/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/14/00
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)
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 # :**	5848.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/9/00
	Bldg. 173	**Extraction Date:**	11/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/14/00
Analysis:	EPA Method 608	**Location :**	CW6
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 # :**	5848.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/9/00
	Bldg. 173	**Extraction Date:**	11/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/14/00
Analysis:	EPA Method 608	**Location :**	CW6
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 # :**	5848.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/9/00
	Bldg. 173	**Extraction Date:**	11/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/14/00
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW01
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 # :**	5848.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/9/00
	Bldg. 173	**Extraction Date:**	11/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/14/00
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW02
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 # :**	5848.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/9/00
	Bldg. 173	**Extraction Date:**	11/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/14/00
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW03
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 # :**	5848.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/9/00
	Bldg. 173	**Extraction Date:**	11/13/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	11/14/00
Analysis:	EPA Method 608	**Location :**	CW6
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW34
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 #: 5848
Sample Prepared: 11/15/00

Site: CW-6
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	11/15/00	ND	200	10.0
Antimony	11/15/00	ND	20	2.0
Arsenic	11/15/00	ND	8	2.0
Barium	11/15/00	ND	2000	0.5
Beryllium	11/15/00	ND	20	0.5
Cadmium	11/15/00	ND	4	0.5
Calcium	11/15/00	143	NLE	20.0
Chromium	11/15/00	ND	100	0.5
Cobalt	11/15/00	ND	NLE	0.5
Copper	11/15/00	ND	1000	2.0
Iron	11/15/00	44.1	300	10.0
Lead	11/15/00	ND	10	1.0
Magnesium	11/15/00	ND	NLE	10.0
Manganese	11/15/00	ND	50	0.5
Mercury	11/16/00	ND	2	0.1
Nickel	11/15/00	ND	100	1.0
Potassium	11/15/00	ND	NLE	40.0
Selenium	11/15/00	ND	50	3.0
Silver	11/15/00	ND	20	1.0
Sodium	11/15/00	813	50000	20.0
Thallium	11/15/00	ND	10	2.0
Vanadium	11/15/00	ND	NLE	0.5
Zinc	11/15/00	29.8	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 #: 5848.02
Sample Received: 11/09/00
Sample Matrix: Aqueous

Site: CW-6
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	11/15/00	ND	200	10.0
Antimony	11/15/00	ND	20	2.0
Arsenic	11/15/00	ND	8	2.0
Barium	11/15/00	ND	2000	0.5
Beryllium	11/15/00	ND	20	0.5
Cadmium	11/15/00	ND	4	0.5
Calcium	11/15/00	210	NLE	20.0
Chromium	11/15/00	ND	100	0.5
Cobalt	11/15/00	ND	NLE	0.5
Copper	11/15/00	ND	1000	2.0
Iron	11/15/00	153	300	10.0
Lead	11/15/00	ND	10	1.0
Magnesium	11/15/00	ND	NLE	10.0
Manganese	11/15/00	ND	50	0.5
Mercury	11/16/00	ND	2	0.1
Nickel	11/15/00	ND	100	1.0
Potassium	11/15/00	ND	NLE	40.0
Selenium	11/15/00	ND	50	3.0
Silver	11/15/00	ND	20	1.0
Sodium	11/15/00	ND	50000	20.0
Thallium	11/15/00	ND	10	2.0
Vanadium	11/15/00	0.704	NLE	0.5
Zinc	11/15/00	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 #: 5848.03
Sample Received: 11/09/00
Sample Matrix: Aqueous

Site: CW-6
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	11/15/00	515	200	10.0
Antimony	11/15/00	ND	20	2.0
Arsenic	11/15/00	ND	8	2.0
Barium	11/15/00	68.2	2000	0.5
Beryllium	11/15/00	ND	20	0.5
Cadmium	11/15/00	0.865	4	0.5
Calcium	11/15/00	14200	NLE	20.0
Chromium	11/15/00	ND	100	0.5
Cobalt	11/15/00	1.98	NLE	0.5
Copper	11/15/00	ND	1000	2.0
Iron	11/15/00	5320	300	10.0
Lead	11/15/00	ND	10	1.0
Magnesium	11/15/00	3410	NLE	10.0
Manganese	11/15/00	60.6	50	0.5
Mercury	11/16/00	ND	2	0.1
Nickel	11/15/00	1.71	100	1.0
Potassium	11/15/00	3390	NLE	40.0
Selenium	11/15/00	ND	50	3.0
Silver	11/15/00	ND	20	1.0
Sodium	11/15/00	22700	50000	20.0
Thallium	11/15/00	ND	10	2.0
Vanadium	11/15/00	1.17	NLE	0.5
Zinc	11/15/00	184	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 #: 5848.04
Sample Received: 11/09/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW01

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/15/00	383	200	10.0
Antimony	11/15/00	ND	20	2.0
Arsenic	11/15/00	3.12	8	2.0
Barium	11/15/00	29.6	2000	0.5
Beryllium	11/15/00	ND	20	0.5
Cadmium	11/15/00	ND	4	0.5
Calcium	11/15/00	60200	NLE	20.0
Chromium	11/15/00	5.32	100	0.5
Cobalt	11/15/00	0.974	NLE	0.5
Copper	11/15/00	59.7	1000	2.0
Iron	11/15/00	2600	300	10.0
Lead	11/15/00	ND	10	1.0
Magnesium	11/15/00	12100	NLE	10.0
Manganese	11/15/00	409	50	0.5
Mercury	11/16/00	0.4	2	0.1
Nickel	11/15/00	3.20	100	1.0
Potassium	11/15/00	6080	NLE	40.0
Selenium	11/15/00	ND	50	3.0
Silver	11/15/00	ND	20	1.0
Sodium	11/15/00	185000	50000	20.0
Thallium	11/15/00	ND	10	2.0
Vanadium	11/15/00.	5.25	NLE	0.5
Zinc	11/15/00	20.8	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 #: 5848.05
Sample Received: 11/09/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW02

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/15/00	44300	200	10.0
Antimony	11/15/00	ND	20	2.0
Arsenic	11/15/00	11.5	8	2.0
Barium	11/15/00	281	2000	0.5
Beryllium	11/15/00	3.52	20	0.5
Cadmium	11/15/00	ND	4	0.5
Calcium	11/15/00	14500	NLE	20.0
Chromium	11/15/00	82.4	100	0.5
Cobalt	11/15/00	9.23	NLE	0.5
Copper	11/15/00	ND	1000	2.0
Iron	11/15/00	34900	300	10.0
Lead	11/15/00	42.0	10	1.0
Magnesium	11/15/00	12000	NLE	10.0
Manganese	11/15/00	160	50	0.5
Mercury	11/16/00	ND	2	0.1
Nickel	11/15/00	19.0	100	1.0
Potassium	11/15/00	7050	NLE	40.0
Selenium	11/15/00	ND	50	3.0
Silver	11/15/00	ND	20	1.0
Sodium	11/15/00	56400	50000	20.0
Thallium	11/15/00	ND	10	2.0
Vanadium	11/15/00	70.0	NLE	0.5
Zinc	11/15/00	148	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 #: 5848.06
Sample Received: 11/09/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW03

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/15/00	429	200	10.0
Antimony	11/15/00	ND	20	2.0
Arsenic	11/15/00	ND	8	2.0
Barium	11/15/00	52.1	2000	0.5
Beryllium	11/15/00	ND	20	0.5
Cadmium	11/15/00	1.06	4	0.5
Calcium	11/15/00	11000	NLE	20.0
Chromium	11/15/00	ND	100	0.5
Cobalt	11/15/00	2.07	NLE	0.5
Copper	11/15/00	ND	1000	2.0
Iron	11/15/00	481	300	10.0
Lead	11/15/00	ND	10	1.0
Magnesium	11/15/00	2520	NLE	10.0
Manganese	11/15/00	29.8	50	0.5
Mercury	11/16/00	ND	2	0.1
Nickel	11/15/00	ND	100	1.0
Potassium	11/15/00	639	NLE	40.0
Selenium	11/15/00	ND	50	3.0
Silver	11/15/00	ND	20	1.0
Sodium	11/15/00	11200	50000	20.0
Thallium	11/15/00	ND	10	2.0
Vanadium	11/15/00	1.66	NLE	0.5
Zinc	11/15/00	60.9	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 #: 5848.07
Sample Received: 11/09/00
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/15/00	510	200	10.0
Antimony	11/15/00	ND	20	2.0
Arsenic	11/15/00	ND	8	2.0
Barium	11/15/00	67.3	2000	0.5
Beryllium	11/15/00	ND	20	0.5
Cadmium	11/15/00	0.886	4	0.5
Calcium	11/15/00	13900	NLE	20.0
Chromium	11/15/00	ND	100	0.5
Cobalt	11/15/00	1.90	NLE	0.5
Copper	11/15/00	ND	1000	2.0
Iron	11/15/00	4920	300	10.0
Lead	11/15/00	ND	10	1.0
Magnesium	11/15/00	3330	NLE	10.0
Manganese	11/15/00	60.0	50	0.5
Mercury	11/16/00	ND	2	0.1
Nickel	11/15/00	1.14	100	1.0
Potassium	11/15/00	3260	NLE	40.0
Selenium	11/15/00	ND	50	3.0
Silver	11/15/00	ND	20	1.0
Sodium	11/15/00	21800	50000	20.0
Thallium	11/15/00	ND	10	2.0
Vanadium	11/15/00	1.26	NLE	0.5
Zinc	11/15/00	178	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	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Iron	Silver	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	0.2	0.1	0.5	0.5	200	8	300	20	-
04/30/1997	FMETL	-	0.029	0.026	0.057	0.038	290	2	1880	21	V,S,P,M
09/02/1997	FMETL	-	0.035	0.027	0.096	0.054	361	4.0	790	6.0	V,S,P,M
12/01/1997	FMETL	-	0.024	0.023	0.057	0.025	303	ND	468	ND	V,S.P.M
03/05/1998	FMETL	-	0.026	0.014	0.031	0.025	374	ND	1953	ND	V,S,P,M
06/15/1998	FMETL	-	0.020	ND	0.054	0.031	541	5.1	2414	ND	V,S,P,M
09/22/1998	FMETL	-	ND	ND	ND	ND	77700	88	112000	ND	V,S.P,M
12/04/1998	FMETL	-	ND	0.024	0.050	0.021	237	10.8	2190	ND	V,S,P,M
02/17/1999	FMETL	-	0.028	0.013	0.062	0.030	91.2	ND	1140	ND	V,S,P,M
06/18/1999	FMETL	-	ND	ND	ND	ND	638	4.74	1930	ND	V,S,P,M
08/10/1999	FMETL	-	ND	ND	0.021	0.031	661	8.87	4760	37.9	V,S,P,M
11/15/1999	FMETL	-	0.271	ND	0.284	0.307	590	2.33	1190	ND	V,S,P,M
03/27/2000	FMETL	-	0.027	0.014	0.038	0.046	116	ND	2270	ND	V,S,P,M
06/15/2000	FMETL	-	ND	ND	ND	ND	162	ND	1650	ND	V,S,P,M
08/31/2000	FMETL	-	ND	ND	ND	ND	440	ND	1140	259	V,S,P,M
11/09/2000	FMETL	7.78	ND	ND	ND	ND	383	3.12	2600	ND	V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 11/09/2000

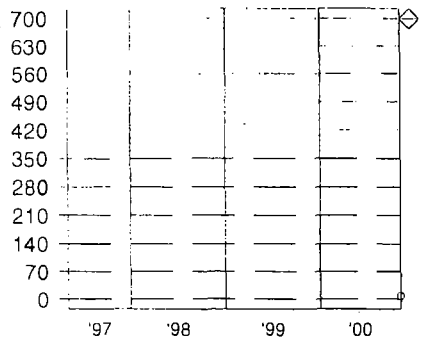
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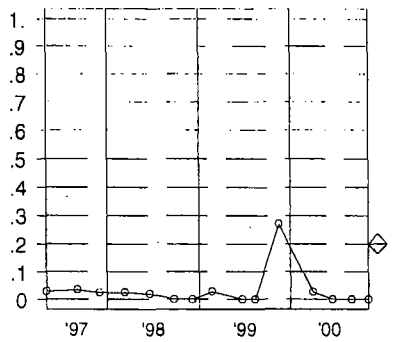
FORT MONMOUTH

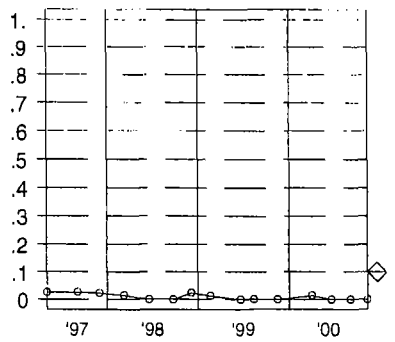
GW MONITORING
CW-6 Bldg. 2044

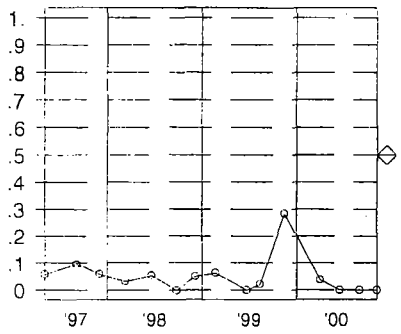
Source 1 of 4

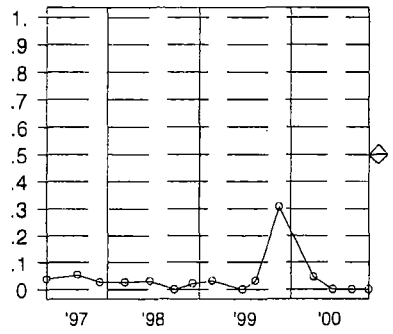
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

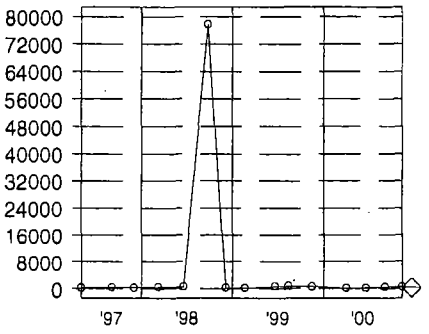


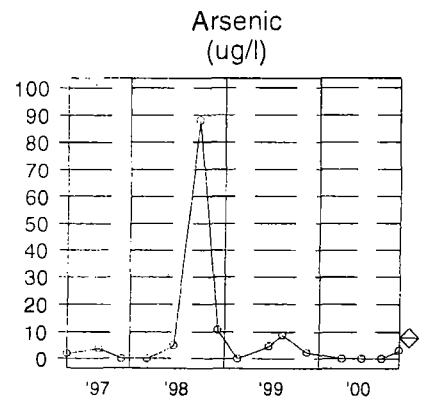


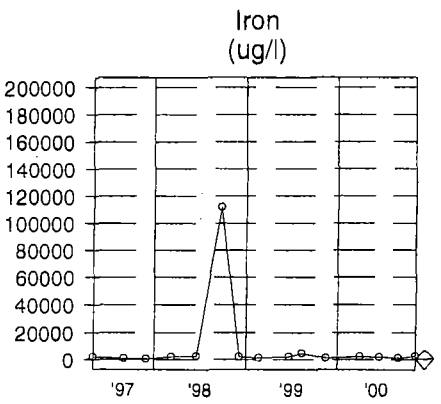


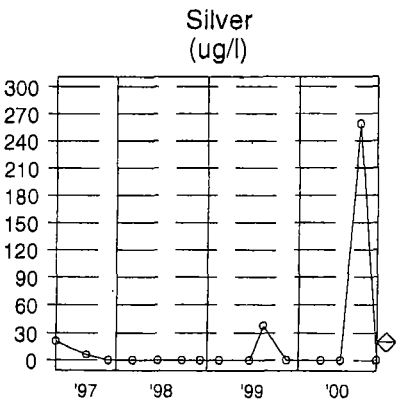












SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 11/09/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Source 1 of 4, Graph

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

11-17-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Sodium	Depth to Water								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	50000	-								-
04/30/1997	FMETL	24000	3.60								V,S,P,M
09/02/1997	FMETL	23730	4.80								V,S,P,M
12/01/1997	FMETL	17300	4.20								V,S.P.M
03/05/1998	FMETL	18070	3.38								V,S,P,M
06/15/1998	FMETL	20990	3.47								V,S,P,M
09/22/1998	FMETL	107000	6.21								V,S.P,M
12/04/1998	FMETL	20200	8.25								V,S,P,M
02/17/1999	FMETL	28600	4.24								V,S,P,M
06/18/1999	FMETL	21900	5.93								V,S,P,M
08/10/1999	FMETL	17800	7.36								V,S,P,M
11/15/1999	FMETL	19300	5.06								V,S,P,M
03/27/2000	FMETL	10600	4.28								V,S,P,M
06/15/2000	FMETL	125000	4.84								V,S,P,M
08/31/2000	FMETL	227000	5.00								V,S,P,M
11/09/2000	FMETL	185000	5.34								V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 11/09/2000

NOTES:

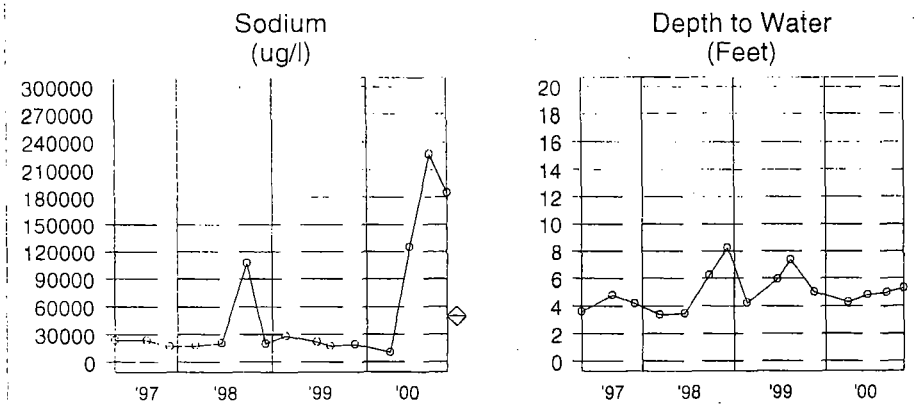
Page 2 of 2.

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Source 1 of 4

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SELFM-PW-EV



SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 11/09/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

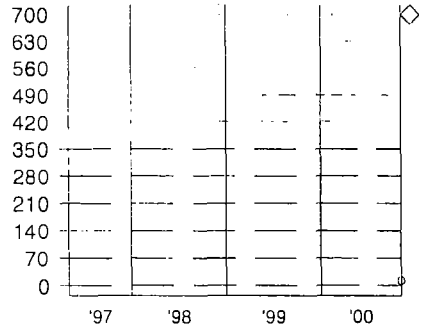
GW MONITORING
CW-6 Bldg. 2044

Source 1 of 4, Graph

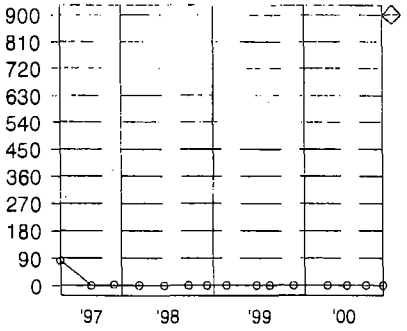
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-17-2000 x:\mtech46\fm\2044a\gw\2044.wsf

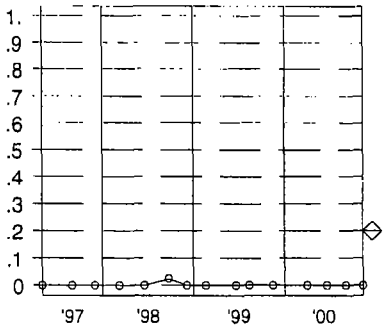
Acetone
(ug/l)



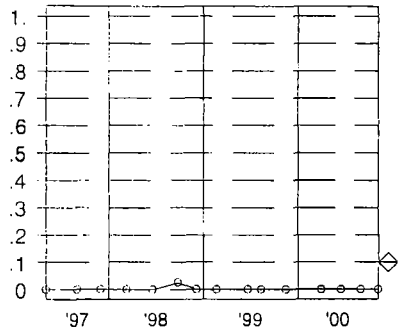
Di-n-butylphthalate
(ug/l)



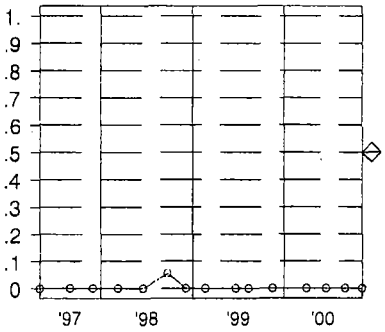
Heptachlor Epoxide
(ug/l)



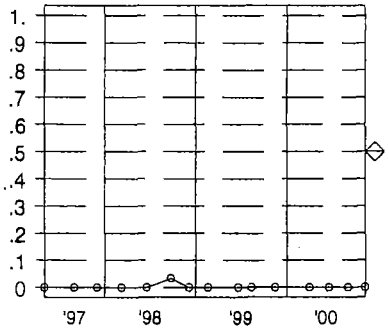
4,4'DDD
(ug/l)



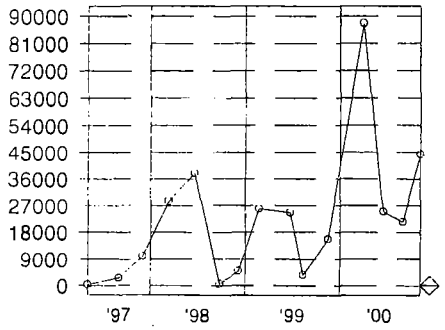
Alpha-chlordane
(ug/l)



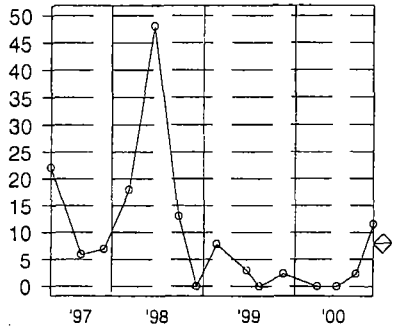
Gamma-chlordane
(ug/l)



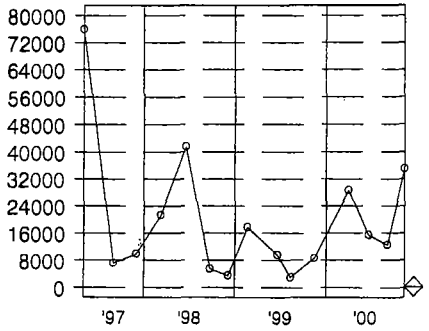
Aluminum
(ug/l)



Arsenic
(ug/l)



Iron
(ug/l)



SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 11/09/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Source 2 of 4, Graph

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

11-17-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Acetone	Di-n-butyl phthalate	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Iron	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	900	0.2	0.1	0.5	0.5	200	8	300	-
04/30/1997	FMETL	-	81	ND	ND	ND	ND	260	22	76000	V,S,P,M
08/29/1997	FMETL	-	ND	ND	ND	ND	ND	2600	6	7140	V,S,P,M
12/01/1997	FMETL	-	1.12	ND	ND	ND	ND	10060	7	9940	V,S,P,M
03/05/1998	FMETL	-	ND	ND	ND	ND	ND	28570	17.9	21390	V,S,P,M
06/15/1998	FMETL	-	ND	ND	ND	ND	ND	37960	48.1	41540	V,S,P,M
09/22/1998	FMETL	-	ND	0.023	0.026	0.056	0.033	630	13	5450	V,S,P,M
12/04/1998	FMETL	-	ND	ND	ND	ND	ND	5040	ND	3500	V,S,P,M
02/17/1999	FMETL	-	ND	ND	ND	ND	ND	26000	7.88	17700	V,S,P,M
06/18/1999	FMETL	-	ND	ND	ND	ND	ND	24700	2.94	9570	V,S,P,M
08/10/1999	FMETL	-	ND	ND	ND	ND	ND	3610	ND	2930	V,S,P,M
11/15/1999	FMETL	-	ND	ND	ND	ND	ND	15700	2.28	8610	V,S,P,M
03/27/2000	FMETL	-	ND	ND	ND	ND	ND	87700	ND	28600	V,S,P,M
06/15/2000	FMETL	-	ND	ND	ND	ND	ND	25000	ND	15400	V,S,P,M
08/31/2000	FMETL	-	ND	ND	ND	ND	ND	21500	2.29	12500	V,S,P,M
11/09/2000	FMETL	11.15	ND	ND	ND	ND	ND	44300	11.5	34900	V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 11/09/2000

NOTES:

Page 1 of 2.

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Source 2 of 4

U.S.ARMY
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SELFM-PW-EV

	Lab	Silver	Sodium	Depth to Water							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	20	50000	-							-
04/30/1997	FMETL	89	104500	3.03							V,S,P,M
08/29/1997	FMETL	ND	48940	5.80							V,S,P,M
12/01/1997	FMETL	ND	21000	4.10							V,S,P,M
03/05/1998	FMETL	ND	30750	2.81							V,S,P,M
06/15/1998	FMETL	ND	46240	3.06							V,S,P,M
09/22/1998	FMETL	ND	22200	6.22							V,S,P,M
12/04/1998	FMETL	ND	27700	6.51							V,S,P,M
02/17/1999	FMETL	ND	57100	4.11							V,S,P,M
06/18/1999	FMETL	ND	54500	5.93							V,S,P,M
08/10/1999	FMETL	ND	32100	7.04							V,S,P,M
11/15/1999	FMETL	ND	32700	5.00							V,S,P,M
03/27/2000	FMETL	ND	32900	3.88							V,S,P,M
06/15/2000	FMETL	24.2	47800	4.68							V,S,P,M
08/31/2000	FMETL	ND	45200	4.86							V,S,P,M
11/09/2000	FMETL	ND	56400	5.44							V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 11/09/2000

NOTES:

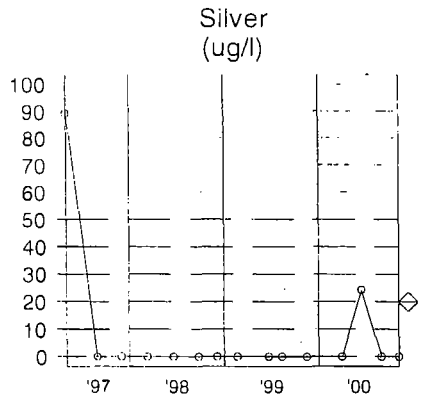
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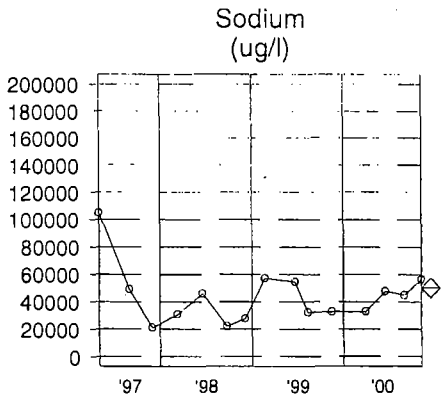
FORT MONMOUTH

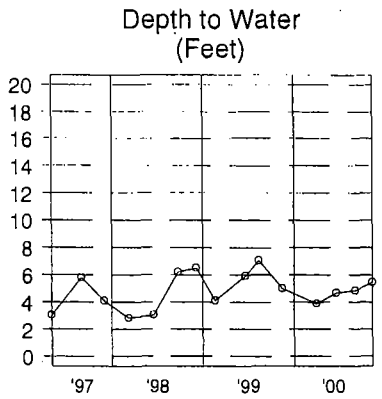
GW MONITORING
CW-6 Bldg. 2044

Source 2 of 4

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







SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 11/09/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Source 2 of 4, Graph

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

11-17-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	8	300	20	50000	-				-
04/30/1997	FMETL	124	1.0	595	19	11000	3.90				V,S,P,M
08/29/1997	FMETL	292	ND	2490	ND	7090	6.50				V,S,P,M
12/01/1997	FMETL	293	ND	538	ND	11830	4.80				V,S,P,M
03/05/1998	FMETL	506	ND	848	ND	10780	3.32				V,S,P,M
06/15/1998	FMETL	335	ND	1165	ND	10860	3.98				V,S,P,M
09/22/1998	FMETL	934	ND	3600	ND	7320	7.15				V,S,P,M
12/04/1998	FMETL	425	ND	781	ND	8720	7.37				V,S,P,M
02/17/1999	FMETL	1050	ND	1110	ND	14300	4.73				V,S,P,M
06/18/1999	FMETL	950	ND	542	ND	11600	6.72				V,S,P,M
08/10/1999	FMETL	345	ND	451	ND	15100	7.75				V,S,P,M
11/15/1999	FMETL	408	ND	604	ND	12400	5.93				V,S,P,M
03/27/2000	FMETL	673	5.04	2360	ND	10800	4.73				V,S,P,M
06/15/2000	FMETL	165	ND	1010	ND	13800	6.47				V,S,P,M
08/31/2000	FMETL	308	ND	267	ND	15700	5.57				V,S,P,M
08/31/2000D	FMETL	894	ND	353	8.45	16700	5.57				V,S,P,M
11/09/2000	FMETL	429	ND	481	ND	11200	6.05				V,S,P,M

SOURCE: 0CW6MW03

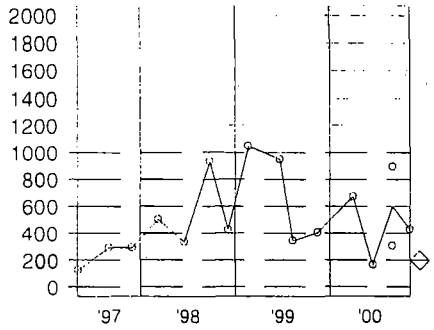
Sampling Dates:
04/30/1997 - 11/09/2000

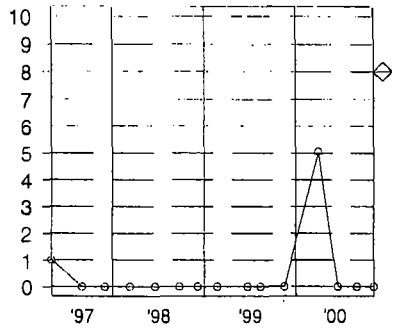
NOTES:

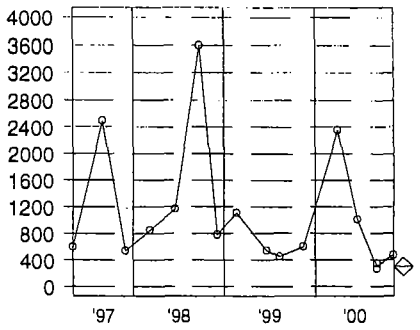
FORT MONMOUTH

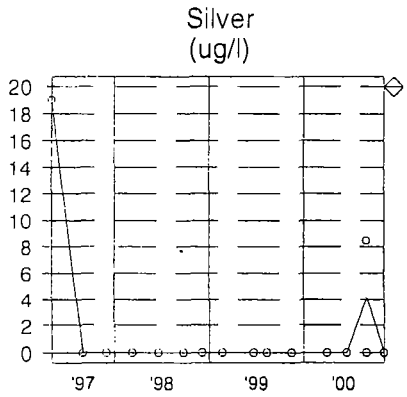
GW MONITORING
CW-6 Bldg. 2044

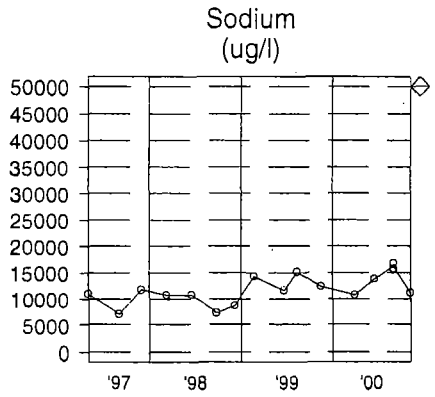
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

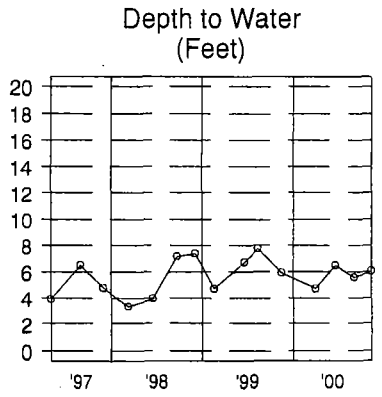












SOURCE: 0CW6MW03

Sampling Dates:
04/30/1997 - 11/09/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Source 3 of 4, Graph

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

11-17-2000 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Aluminum	Arsenic	Iron	Silver	Sodium	Acetone	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	8	300	20	50000	700	-			-
04/30/1997	FMETL	48	2.0	2100	18	15500	-	3.75			V,S,P,M
09/02/1997	FMETL	120	1.0	1380	13	16570	-	4.90			V,S,P,M
12/01/1997	FMETL	348	ND	652	ND	15500	-	4.25			V,S,P,M
03/05/1998	FMETL	385	ND	2212	ND	15940	-	3.78			V,S,P,M
06/15/1998	FMETL	204	ND	2624	ND	15380	-	5.54			V,S,P,M
09/22/1998	FMETL	360	6	9030	ND	16300	-	6.31			V,S,P,M
12/04/1998	FMETL	434	ND	2280	ND	14400	-	6.01			V,S,P,M
02/17/1999	FMETL	345	ND	2640	ND	18800	-	4.23			V,S,P,M
06/18/1999	FMETL	419	2.71	5350	ND	19400	-	6.28			V,S,P,M
08/10/1999	FMETL	522	2.89	4940	ND	20600	-	7.12			V,S,P,M
11/15/1999	FMETL	215	ND	1390	ND	19400	-	4.91			V,S,P,M
03/27/2000	FMETL	285	ND	2920	ND	12100	-	4.11			V,S,P,M
03/27/2000D	FMETL	294	ND	2980	ND	12000	-	4.11			V,S,P,M
06/15/2000	FMETL	365	ND	5560	ND	19000	-	4.80			V,S,P,M
08/31/2000	FMETL	391	ND	1960	ND	21300	-	6.20			V,S,P,M
11/09/2000	FMETL	510	ND	4920	ND	21800	ND	5.33			V,S,P,M
11/09/2000D	FMETL	515	ND	5320	ND	22700	3.28	5.33			V,S,P,M

SOURCE: 0CW6MW34

Sampling Dates:
04/30/1997 - 11/09/2000

NOTES:

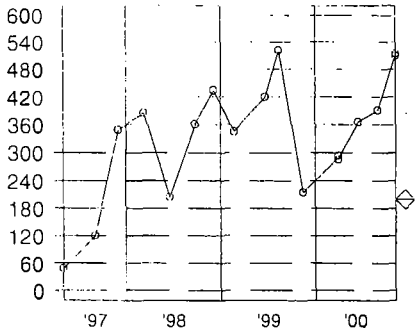
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

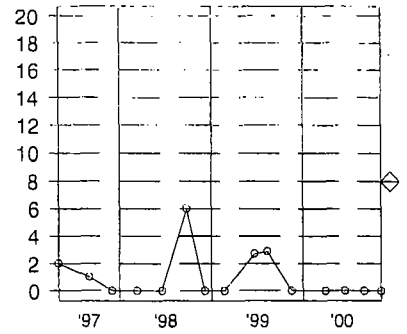
Source 4 of 4

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

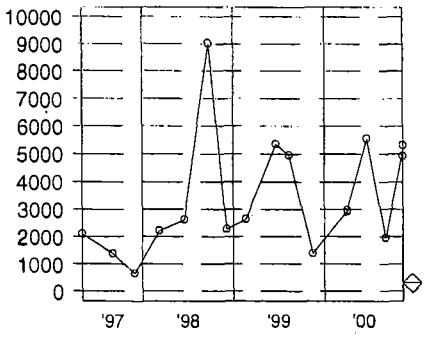
Aluminum
(ug/l)



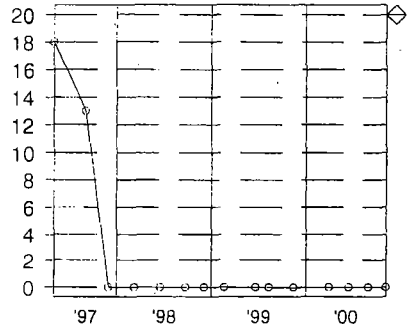
Arsenic
(ug/l)



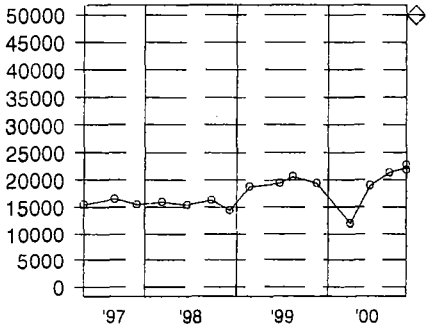
Iron
(ug/l)



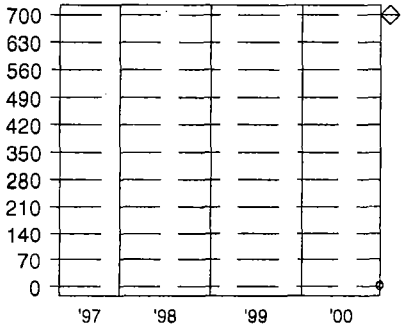
Silver
(ug/l)



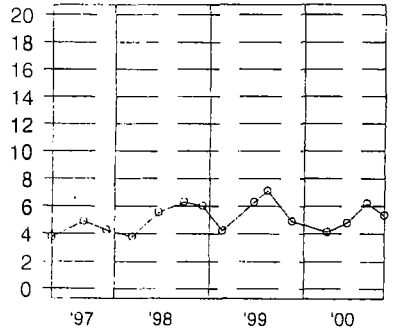
Sodium
(ug/l)



Acetone
(ug/l)



Depth to Water
(Feet)



SOURCE: 0CW6MW34

Sampling Dates:
04/30/1997 - 11/09/2000

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

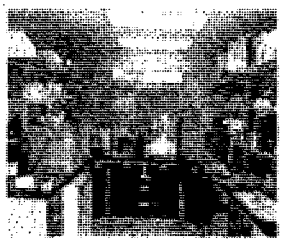
Source 4 of 4, Graph

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

11-17-2000 x:\mtech46\fm\2044a\gw\2044.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: CW-6

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
553	0CW6MW01	29-30970	02/02/01
554	0CW6MW02	29-30971	02/02/01
555	0CW6MW03	29-30972	02/02/01
558	0CW6MW34	29-32599	02/02/01

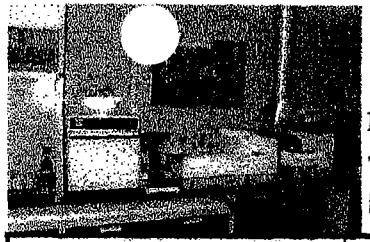
NJDEP Laboratory Certification # 13461

2-21-01

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 #: X26223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: CW6 wells 1st Qtr '01

Samplers Name / Company: Corey McCormack, TVS

Lims Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	TAL MTLS	Pest/PCB	BNA+25				Hnu Read	Remarks / Preservation Method
550 .01	Trip	2/2/01	0739	AQ	2	✓							—	
551 .02	Field Blank		0950		5	✓	✓	✓	✓				—	
552 .03	Dupe		—		5	✓	✓	✓	✓				—	
553 .04	CW6 mw01		1144		5	✓	✓	✓	✓				0.0	29-30970
554 .05	CW6 mw02 *		1002			✓	✓	✓	✓				0.0	29-30971
555 .06	CW6 mw03	555/MS 556/MSD	1008		9	✓	✓	✓	✓				0.0	29-30972
558 .07	CW6 mw34		1148		5	✓	✓	✓	✓				0.0	29-32599
		DTW												
29-32600	CW6 mw35 : 3.78 ft		0.0 ppm Hnu											
29-32601	CW6 mw36 : 5.41 ft		0.0 ppm Hnu											

HCL/HNO3/<4°C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	2/2/01 1530				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks: Shows T/FB/D w/ 2067 Same date. cpm
Tide: N/A

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW6
MW#: 0CW6MW01
NJDEP ID #: 29-30970
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02 /02 /01
WEATHER: Overcast, and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.87 ft
DEPTH OF WELL: 17.89 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 14.02ft
(14.02) X .65 X 3 = 27.33
GALLONS OF H2O TO BE PURGED: 27 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:40
pH 6.59 su
TEMP 8.5 °C
DISSOLVED O2 5.72 ppm
SPECIFIC CONDUCTIVITY 768 us/cm

PURGE END TIME: 11:43
pH 6.61 su
TEMP 8.4 °C
DISSOLVED O2 5.11 ppm
SPECIFIC CONDUCTIVITY 764 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 4.00 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 27 gal

SAMPLE START TIME: 11:44
pH 6.61 su
TEMP 8.4 °C
DISSOLVED O2 5.07 ppm
SPECIFIC CONDUCTIVITY 765 us/cm

SAMPLE END TIME: 11:47

COMMENTS: Yellow color.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW6
MW#: 0CW6MW02
NJDEP ID #: 29-30971
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02 /02 /01
WEATHER: Overcast, and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.09 ft
DEPTH OF WELL: 16.80 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.71 ft
(13.71) X .65 X 3 = 26.73
GALLONS OF H2O TO BE PURGED: 27 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:04
pH 6.45 su TEMP 10.1 °C
DISSOLVED O2 5.71 ppm SPECIFIC CONDUCTIVITY 296 us/cm

PURGE END TIME: 10:01
pH 6.47 su TEMP 10.0 °C
DISSOLVED O2 5.21 ppm SPECIFIC CONDUCTIVITY 295 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 5.09 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 27 gal

SAMPLE START TIME: 10:02
pH 6.48 su TEMP 10.0 °C
DISSOLVED O2 5.20 ppm SPECIFIC CONDUCTIVITY 295 us/cm

SAMPLE END TIME: 10:07

COMMENTS: Very cloudy, brown. DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW6
MW#: 0CW6MW03
NJDEP ID #: 29-30972
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02 /02 /01
WEATHER: Overcast, and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.91 ft
DEPTH OF WELL: 17.78 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.87 ft
(13.87) X .65 X 3 = 27.04
GALLONS OF H2O TO BE PURGED: 27 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:07
pH 6.86 su TEMP 9.7 °C
DISSOLVED O2 5.81 ppm SPECIFIC CONDUCTIVITY 123 us/cm

PURGE END TIME: 10:04
pH 6.87 su TEMP 9.5 °C
DISSOLVED O2 5.09 ppm SPECIFIC CONDUCTIVITY 120 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 4.31 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 27 gal

SAMPLE START TIME: 10:08
pH 6.88 su TEMP 9.6 °C
DISSOLVED O2 5.10 ppm SPECIFIC CONDUCTIVITY 120 us/cm

SAMPLE END TIME: 10:13

COMMENTS: MS/MSD here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW6
MW#: 0CW6MW34
NJDEP ID #: 29-33599
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02 /02 /01
WEATHER: Overcast, and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.77 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.13 ft
(13.13) X .65 X 3 = 25.60
GALLONS OF H2O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:41
pH 5.67 su
TEMP 9.1 °C
DISSOLVED O2 5.87 ppm
SPECIFIC CONDUCTIVITY 260 us/cm

PURGE END TIME: 11:42
pH 6.87 su
TEMP 9.0 °C
DISSOLVED O2 5.65 ppm
SPECIFIC CONDUCTIVITY 257 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 3.91 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 11:48
pH 5.65 su
TEMP 9.0 °C
DISSOLVED O2 5.20 ppm
SPECIFIC CONDUCTIVITY 257 us/cm

SAMPLE END TIME: 11:53

COMMENTS: Particles.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW6
MW#: 0CW6MW35
NJDEP ID #: 29-32600
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 02 /02 /01
WEATHER: Overcast, and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.78 ft
DEPTH OF WELL: 16.90 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =
GALLONS OF H2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) : PERISTALTIC
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

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

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

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	**VC004912.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB 020601**
Date Aquired	**6-Feb-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	
5-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
/1-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			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: **MB 020601**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 550-558 Location: CW6 SDG No.:

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

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004912.D

Level: (low/med) LOW Date Received: 2/2/01

% Moisture: not dec. Date Analyzed: 2/6/01

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	**VC004926.D**	Sample Name	**550**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**6-Feb-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: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 550-558 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 550

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004926.D

Level: (low/med) LOW Date Received: 2/2/01

% Moisture: not dec. Date Analyzed: 2/6/01

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	**VC004927.D**	Sample Name	**551**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**6-Feb-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: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 550-558 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 551

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004927.D

Level: (low/med) LOW Date Received: 2/2/01

% Moisture: not dec. Date Analyzed: 2/6/01

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	**VC004928.D**	Sample Name	**552**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**7-Feb-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	8.88	232464	4.17 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	
75-34-3	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.: 550-558 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 552

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004928.D

Level: (low/med) LOW Date Received: 2/2/01

% Moisture: not dec. Date Analyzed: 2/7/01

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	**VC004929.D**	Sample Name	**553**
Operator	**Skelton**	Field ID	**CW6MW01**
Date Aquired	**7-Feb-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	8.88	206239	3.75 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW6MW01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 550-558 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 553

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004929.D

Level: (low/med) LOW Date Received: 2/2/01

% Moisture: not dec. Date Analyzed: 2/7/01

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	**VC004930.D**	Sample Name	**554**
Operator	**Skelton**	Field ID	**CW6MW02**
Date Aquired	**7-Feb-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: **CW6MW02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 550-558 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 554

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004930.D

Level: (low/med) LOW Date Received: 2/2/01

% Moisture: not dec. Date Analyzed: 2/7/01

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	**VC004931.D**	Sample Name	**555**
Operator	**Skelton**	Field ID	**CW6MW03**
Date Aquired	**7-Feb-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: **CW6MW03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 550-558 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 555

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004931.D

Level: (low/med) LOW Date Received: 2/2/01

% Moisture: not dec. Date Analyzed: 2/7/01

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	VC004932.D	Sample Name	558
Operator	Skelton	Field ID	CW6MW34
Date Aquired	7-Feb-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: **CW6MW34**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 550-558 Location: CW6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 558

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004932.D

Level: (low/med) LOW Date Received: 2/2/01

% Moisture: not dec. _____ Date Analyzed: 2/7/01

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	**BNA04942.D**	Sample Name	**MB-584**
Operator	**Bhaskar**	Misc Info	**MB-584 02/06/01**
Date Acquired	**8-Feb-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	**BNA04942.D**	Sample Name	**MB-584**
Operator	**Bhaskar**	Misc Info	**MB-584 02/06/01**
Date Acquired	**8-Feb-01**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

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

Qualifiers

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

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **MB-584**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 551-558 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB-584

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04942.D

Level: (low/med) LOW Date Received: 2/2/01

% Moisture: decanted: (Y/N) N Date Extracted: 2/6/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/8/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.09	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04944.D**	Sample Name	**551**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**8-Feb-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	**BNA04944.D**	Sample Name	**551**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**8-Feb-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.: 551-558 Location: CW6 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 551

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04944.D

Level: (low/med) LOW Date Received: 2/2/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 2/6/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/8/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.10	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04945.D**	Sample Name	**552**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**8-Feb-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	**BNA04945.D**	Sample Name	**552**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**8-Feb-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.: 551-558 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 552

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04945.D

Level: (low/med) LOW Date Received: 2/2/01

% Moisture: decanted: (Y/N) N Date Extracted: 2/6/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/8/01

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	32.58	4	J
2.	unknown	33.50	5	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04946.D**	Sample Name	**553**
Operator	**Bhaskar**	Misc Info	**CW6MW01**
Date Acquired	**8-Feb-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	

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Data File Name	**BNA04946.D**	Sample Name	**553**
Operator	**Bhaskar**	Misc Info	**CW6MW01**
Date Acquired	**8-Feb-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: **CW6MW01**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 551-558 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 553

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04946.D

Level: (low/med) LOW Date Received: 2/2/01

% Moisture: decanted: (Y/N) N Date Extracted: 2/6/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/8/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.09	8	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04947.D**	Sample Name	**554**
Operator	**Bhaskar**	Misc Info	**CW6MW02**
Date Acquired	**8-Feb-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	**BNA04947.D**	Sample Name	**554**
Operator	**Bhaskar**	Misc Info	**CW6MW02**
Date Acquired	**8-Feb-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: **CW6MW02**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 551-558 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 554

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04947.D

Level: (low/med) LOW Date Received: 2/2/01

% Moisture: decanted: (Y/N) N Date Extracted: 2/6/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/8/01

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	**BNA04948.D**	Sample Name	**555**
Operator	**Bhaskar**	Misc Info	**CW6MW03**
Date Acquired	**8-Feb-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	**BNA04948.D**	Sample Name	**555**
Operator	**Bhaskar**	Misc Info	**CW6MW03**
Date Acquired	**8-Feb-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: **CW6MW03**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 551-558 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 555

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04948.D

Level: (low/med) LOW Date Received: 2/2/01

% Moisture: decanted: (Y/N) N Date Extracted: 2/6/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/8/01

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	5.24	4	J
2.	unknown	7.10	12	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA04951.D**	Sample Name	**558**
Operator	**Bhaskar**	Misc Info	**CW6MW34**
Date Acquired	**8-Feb-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	

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Data File Name	**BNA04951.D**	Sample Name	**558**
Operator	**Bhaskar**	Misc Info	**CW6MW34**
Date Acquired	**8-Feb-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: **CW6MW34**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 551-558 Location: CW6 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 558

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04951.D

Level: (low/med) LOW Date Received: 2/2/01

% Moisture: decanted: (Y/N) N Date Extracted: 2/6/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 2/8/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.10	11	J

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

Client :	U.S. Army	**Lab. ID # :**	MB-564
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	2/5/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/12/01
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 # :**	551
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/2/01
	Bldg. 173	**Extraction Date:**	2/5/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/12/01
Analysis:	EPA Method 608	**Location :**	CW6 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 # :**	552
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/2/01
	Bldg. 173	**Extraction Date:**	2/5/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/12/01
Analysis:	EPA Method 608	**Location :**	CW6 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 # :**	553
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/2/01
	Bldg. 173	**Extraction Date:**	2/5/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/12/01
Analysis:	EPA Method 608	**Location :**	CW6 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW01
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 # :**	554
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/2/01
	Bldg. 173	**Extraction Date:**	2/5/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/12/01
Analysis:	EPA Method 608	**Location :**	CW6 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW02
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 # :**	555
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/2/01
	Bldg. 173	**Extraction Date:**	2/5/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/12/01
Analysis:	EPA Method 608	**Location :**	CW6 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW03
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 # :**	558
	DPW, SELFM-PW-EV	**Date Rec'd:**	2/2/01
	Bldg. 173	**Extraction Date:**	2/5/01
	Ft. Monmouth, NJ 07703	**Analysis Date:**	2/12/01
Analysis:	EPA Method 608	**Location :**	CW6 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW6MW34
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 #: 551-555,558
Sample Prepared: 02/05/01

Site: CW-6
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	02/07/01	ND	200	10.0
Antimony	02/07/01	ND	20	2.0
Arsenic	02/07/01	ND	8	2.0
Barium	02/07/01	ND	2000	0.5
Beryllium	02/07/01	ND	20	0.5
Cadmium	02/07/01	ND	4	0.5
Calcium	02/07/01	ND	NLE	20.0
Chromium	02/07/01	ND	100	0.5
Cobalt	02/07/01	ND	NLE	0.5
Copper	02/07/01	183	1000	2.0
Iron	02/07/01	56.0	300	10.0
Lead	02/07/01	26.8	10	1.0
Magnesium	02/07/01	ND	NLE	10.0
Manganese	02/07/01	ND	50	0.5
Mercury	02/13/01	ND	2	0.1
Nickel	02/07/01	3.67	100	1.0
Potassium	02/07/01	ND	NLE	40.0
Selenium	02/07/01	ND	50	3.0
Silver	02/07/01	ND	20	1.0
Sodium	02/07/01	ND	50000	20.0
Thallium	02/07/01	ND	10	2.0
Vanadium	02/07/01	ND	NLE	0.5
Zinc	02/07/01	242	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.I.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 #: 552
Sample Received: 02/02/01
Sample Matrix: Aqueous

Site: CW-6
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	02/07/01	84100	200	10.0
Antimony	02/07/01	ND	20	2.0
Arsenic	02/07/01	35.7	8	2.0
Barium	02/07/01	490	2000	0.5
Beryllium	02/07/01	6.14	20	0.5
Cadmium	02/07/01	ND	4	0.5
Calcium	02/07/01	22000	NLE	20.0
Chromium	02/07/01	139	100	0.5
Cobalt	02/07/01	11.8	NLE	0.5
Copper	02/07/01	36.8	1000	2.0
Iron	02/07/01	72800	300	10.0
Lead	02/07/01	94.3	10	1.0
Magnesium	02/07/01	18400	NLE	10.0
Manganese	02/07/01	262	50	0.5
Mercury	02/13/01	0.2	2	0.1
Nickel	02/07/01	25.4	100	1.0
Potassium	02/07/01	8970	NLE	40.0
Selenium	02/07/01	ND	50	3.0
Silver	02/07/01	ND	20	1.0
Sodium	02/07/01	78800	50000	20.0
Thallium	02/07/01	ND	10	2.0
Vanadium	02/07/01	115	NLE	0.5
Zinc	02/07/01	232	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 #: 551
Sample Received: 02/02/01
Sample Matrix: Aqueous

Site: CW-6
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	02/07/01	ND	200	10.0
Antimony	02/07/01	ND	20	2.0
Arsenic	02/07/01	ND	8	2.0
Barium	02/07/01	ND	2000	0.5
Beryllium	02/07/01	ND	20	0.5
Cadmium	02/07/01	ND	4	0.5
Calcium	02/07/01	ND	NLE	20.0
Chromium	02/07/01	ND	100	0.5
Cobalt	02/07/01	ND	NLE	0.5
Copper	02/07/01	ND	1000	2.0
Iron	02/07/01	ND	300	10.0
Lead	02/07/01	ND	10	1.0
Magnesium	02/07/01	ND	NLE	10.0
Manganese	02/07/01	ND	50	0.5
Mercury	02/13/01	ND	2	0.1
Nickel	02/07/01	ND	100	1.0
Potassium	02/07/01	ND	NLE	40.0
Selenium	02/07/01	ND	50	3.0
Silver	02/07/01	ND	20	1.0
Sodium	02/07/01	ND	50000	20.0
Thallium	02/07/01	ND	10	2.0
Vanadium	02/07/01	ND	NLE	0.5
Zinc	02/07/01	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 #: 553
Sample Received: 02/02/01
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW01

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	02/07/01	652	200	10.0
Antimony	02/07/01	ND	20	2.0
Arsenic	02/07/01	4.26	8	2.0
Barium	02/07/01	16.2	2000	0.5
Beryllium	02/07/01	ND	20	0.5
Cadmium	02/07/01	3.87	4	0.5
Calcium	02/07/01	31100	NLE	20.0
Chromium	02/07/01	6.99	100	0.5
Cobalt	02/07/01	2.02	NLE	0.5
Copper	02/07/01	40.3	1000	2.0
Iron	02/07/01	3290	300	10.0
Lead	02/07/01	ND	10	1.0
Magnesium	02/07/01	6720	NLE	10.0
Manganese	02/07/01	449	50	0.5
Mercury	02/13/01	0.3	2	0.1
Nickel	02/07/01	3.45	100	1.0
Potassium	02/07/01	2850	NLE	40.0
Selenium	02/07/01	ND	50	3.0
Silver	02/07/01	ND	20	1.0
Sodium	02/07/01	93400	50000	20.0
Thallium	02/07/01	ND	10	2.0
Vanadium	02/07/01	6.53	NLE	0.5
Zinc	02/07/01	15.6	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 #: 554
Sample Received: 02/02/01
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: 0CW6MW02

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	02/07/01	86700	200	10.0
Antimony	02/07/01	ND	20	2.0
Arsenic	02/07/01	34.2	8	2.0
Barium	02/07/01	473	2000	0.5
Beryllium	02/07/01	6.09	20	0.5
Cadmium	02/07/01	3.52	4	0.5
Calcium	02/07/01	21900	NLE	20.0
Chromium	02/07/01	139	100	0.5
Cobalt	02/07/01	11.7	NLE	0.5
Copper	02/07/01	37.0	1000	2.0
Iron	02/07/01	73400	300	10.0
Lead	02/07/01	93.5	10	1.0
Magnesium	02/07/01	18700	NLE	10.0
Manganese	02/07/01	260	50	0.5
Mercury	02/13/01	ND	2	0.1
Nickel	02/07/01	24.6	100	1.0
Potassium	02/07/01	8920	NLE	40.0
Selenium	02/07/01	ND	50	3.0
Silver	02/07/01	ND	20	1.0
Sodium	02/07/01	77400	50000	20.0
Thallium	02/07/01	ND	10	2.0
Vanadium	02/07/01	115	NLE	0.5
Zinc	02/07/01	234	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 #: 555
Sample Received: 02/02/01
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW03

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	02/07/01	2250	200	10.0
Antimony	02/07/01	ND	20	2.0
Arsenic	02/07/01	ND	8	2.0
Barium	02/07/01	12.2	2000	0.5
Beryllium	02/07/01	ND	20	0.5
Cadmium	02/07/01	2.28	4	0.5
Calcium	02/07/01	11400	NLE	20.0
Chromium	02/07/01	10.4	100	0.5
Cobalt	02/07/01	ND	NLE	0.5
Copper	02/07/01	ND	1000	2.0
Iron	02/07/01	4530	300	10.0
Lead	02/07/01	1.71	10	1.0
Magnesium	02/07/01	1640	NLE	10.0
Manganese	02/07/01	7.77	50	0.5
Mercury	02/13/01	ND	2	0.1
Nickel	02/07/01	ND	100	1.0
Potassium	02/07/01	3340	NLE	40.0
Selenium	02/07/01	ND	50	3.0
Silver	02/07/01	ND	20	1.0
Sodium	02/07/01	4900	50000	20.0
Thallium	02/07/01	ND	10	2.0
Vanadium	02/07/01	10.1	NLE	0.5
Zinc	02/07/01	12.3	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 558
Sample Received: 02/02/01
Sample Matrix: Aqueous

Site: CW-6
Ft. Monmouth, New Jersey

Field ID#: OCW6MW34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	02/07/01	245	200	10.0
Antimony	02/07/01	ND	20	2.0
Arsenic	02/07/01	ND	8	2.0
Barium	02/07/01	37.6	2000	0.5
Beryllium	02/07/01	ND	20	0.5
Cadmium	02/07/01	1.95	4	0.5
Calcium	02/07/01	16800	NLE	20.0
Chromium	02/07/01	2.15	100	0.5
Cobalt	02/07/01	1.71	NLE	0.5
Copper	02/07/01	62.8	510	2.0
Iron	02/07/01	3770	ND	10.0
Lead	02/07/01	8.74	10	1.0
Magnesium	02/07/01	3560	NLE	10.0
Manganese	02/07/01	55.3	50	0.5
Mercury	02/13/01	ND	2	0.1
Nickel	02/07/01	2.63	100	1.0
Potassium	02/07/01	3070	NLE	40.0
Selenium	02/07/01	ND	50	3.0
Silver	02/07/01	ND	20	1.0
Sodium	02/07/01	19100	50000	20.0
Thallium	02/07/01	ND	10	2.0
Vanadium	02/07/01	ND	NLE	0.5
Zinc	02/07/01	184	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	bis(2-Ethylhexyl) phthalate	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	900	30	0.2	0.1	0.5	0.5	200	8	-
04/30/1997	FMETL	-	ND	ND	0.029	0.026	0.057	0.038	290	2	V,S,P,M
09/02/1997	FMETL	-	ND	ND	0.035	0.027	0.096	0.054	361	4.0	V,S,P,M
12/01/1997	FMETL	-	1.88	ND	0.024	0.023	0.057	0.025	303	ND	V,S.P.M
03/05/1998	FMETL	-	ND	1.16	0.026	0.014	0.031	0.025	374	ND	V,S,P,M
06/15/1998	FMETL	-	ND	ND	0.020	ND	0.054	0.031	541	5.1	V,S,P,M
09/22/1998	FMETL	-	ND	ND	ND	ND	ND	ND	77700	88	V,S.P,M
12/04/1998	FMETL	-	ND	ND	ND	0.024	0.050	0.021	237	10.8	V,S,P,M
02/17/1999	FMETL	-	ND	ND	0.028	0.013	0.062	0.030	91.2	ND	V,S,P,M
06/18/1999	FMETL	-	ND	ND	ND	ND	ND	ND	638	4.74	V,S,P,M
08/10/1999	FMETL	-	ND	ND	ND	ND	0.021	0.031	661	8.87	V,S,P,M
11/15/1999	FMETL	-	ND	ND	0.271	ND	0.284	0.307	590	2.33	V,S,P,M
03/27/2000	FMETL	-	ND	ND	0.027	0.014	0.038	0.046	116	ND	V,S,P,M
06/15/2000	FMETL	-	ND	ND	ND	ND	ND	ND	162	ND	V,S,P,M
08/31/2000	FMETL	-	ND	ND	ND	ND	ND	ND	440	ND	V,S,P,M
11/09/2000	FMETL	7.78	ND	ND	ND	ND	ND	ND	383	3.12	V,S,P,M
02/02/2001	FMETL	3.75	ND	ND	ND	ND	ND	ND	652	4.26	V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 02/02/2001

NOTES:

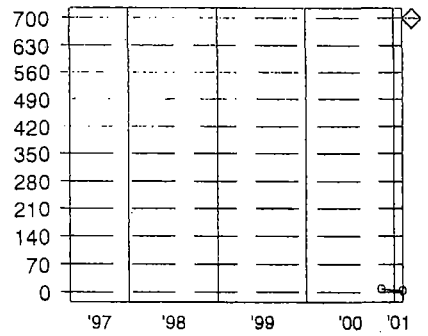
Page 1 of 2.

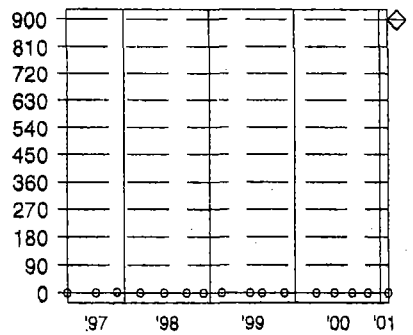
FORT MONMOUTH

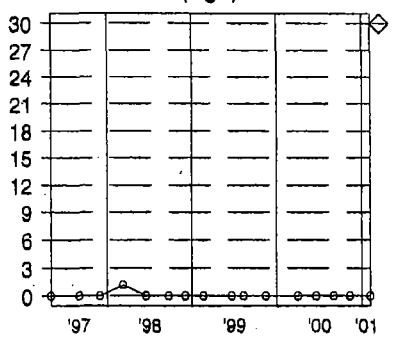
GW MONITORING
CW-6 Bldg. 2044

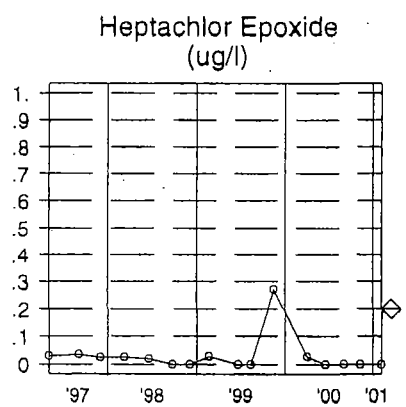
Source 1 of 4

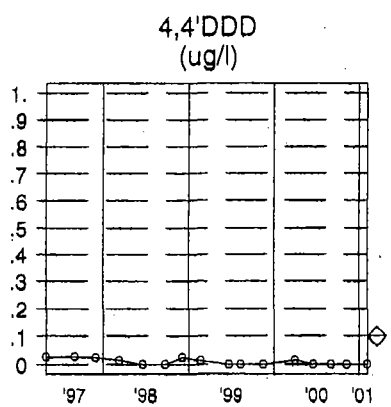
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

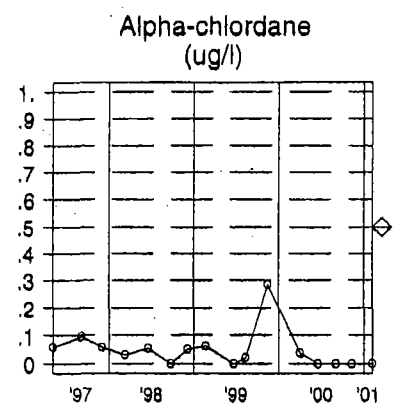


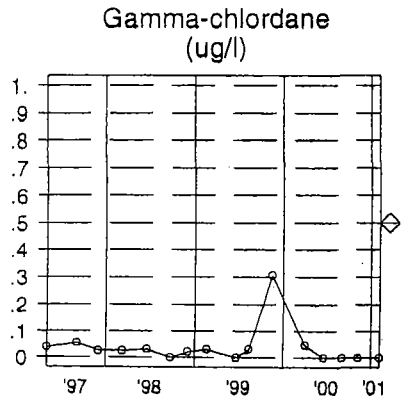


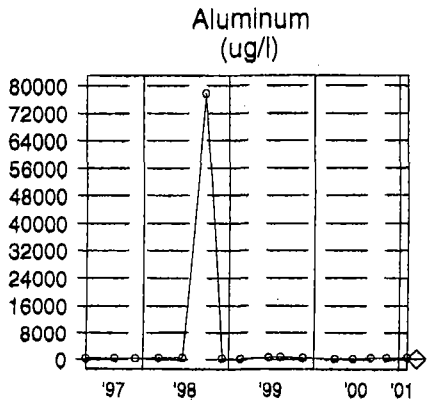


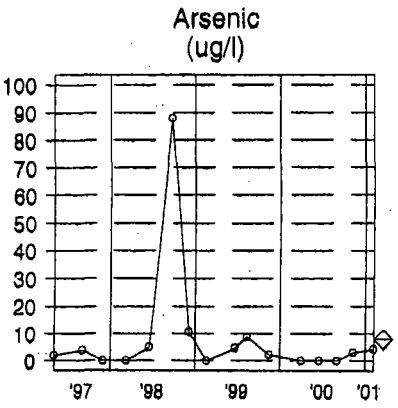












SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 02/02/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Source 1 of 4, Graph

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

02-21-2001 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Iron	Silver	Sodium	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	300	20	50000	-						-
04/30/1997	FMETL	1880	21	24000	3.60						V,S,P,M
09/02/1997	FMETL	790	6.0	23730	4.80						V,S,P,M
12/01/1997	FMETL	468	ND	17300	4.20						V,S.P.M
03/05/1998	FMETL	1953	ND	18070	3.38						V,S,P,M
06/15/1998	FMETL	2414	ND	20990	3.47						V,S,P,M
09/22/1998	FMETL	112000	ND	107000	6.21						V,S.P,M
12/04/1998	FMETL	2190	ND	20200	8.25						V,S,P,M
02/17/1999	FMETL	1140	ND	28600	4.24						V,S,P,M
06/18/1999	FMETL	1930	ND	21900	5.93						V,S,P,M
08/10/1999	FMETL	4760	37.9	17800	7.36						V,S,P,M
11/15/1999	FMETL	1190	ND	19300	5.06						V,S,P,M
03/27/2000	FMETL	2270	ND	10600	4.28						V,S,P,M
06/15/2000	FMETL	1650	ND	125000	4.84						V,S,P,M
08/31/2000	FMETL	1140	259	227000	5.00						V,S,P,M
11/09/2000	FMETL	2600	ND	185000	5.34						V,S,P,M
02/02/2001	FMETL	3290	ND	93400	3.87						V,S,P,M

SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 02/02/2001

NOTES:

Page 2 of 2.

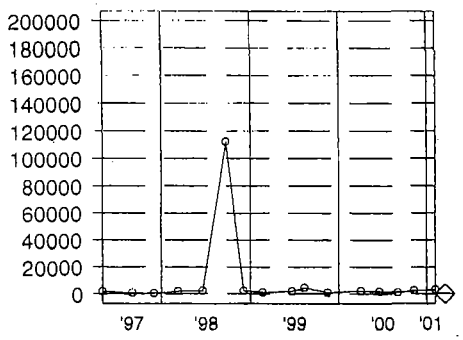
FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

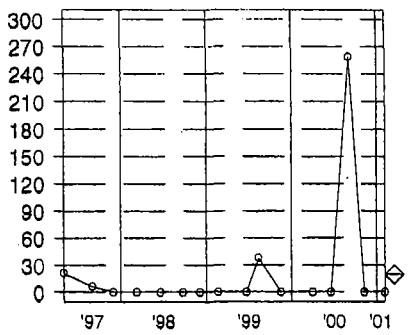
Source 1 of 4

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

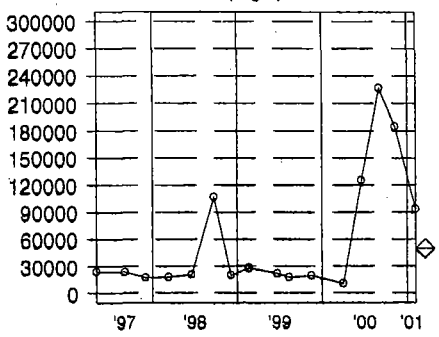
Iron
(ug/l)



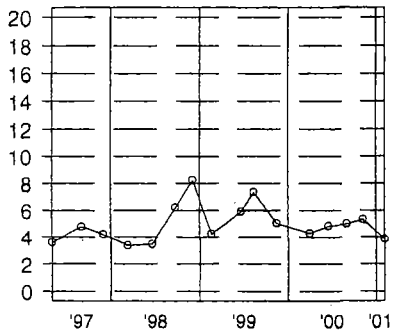
Silver
(ug/l)



Sodium
(ug/l)



Depth to Water
(Feet)



SOURCE: 0CW6MW01

Sampling Dates:
04/30/1997 - 02/02/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-6 Bldg. 2044

Source 1 of 4, Graph

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

02-21-2001 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Acetone	Di-n-butyl phthalate	bis(2-Ethylhexyl) phthalate	Hepta chlor Epoxide	4,4'DDD	Alpha-chlordane	Gamma-chlordane	Aluminum	Arsenic	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	900	30	0.2	0.1	0.5	0.5	200	8	-
04/30/1997	FMETL	-	81	5	ND	ND	ND	ND	260	22	V,S,P,M
08/29/1997	FMETL	-	ND	ND	ND	ND	ND	ND	2600	6	V,S,P,M
12/01/1997	FMETL	-	1.12	ND	ND	ND	ND	ND	10060	7	V,S,P,M
03/05/1998	FMETL	-	ND	ND	ND	ND	ND	ND	28570	17.9	V,S,P,M
06/15/1998	FMETL	-	ND	ND	ND	ND	ND	ND	37960	48.1	V,S,P,M
09/22/1998	FMETL	-	ND	ND	0.023	0.026	0.056	0.033	630	13	V,S,P,M
12/04/1998	FMETL	-	ND	ND	ND	ND	ND	ND	5040	ND	V,S,P,M
02/17/1999	FMETL	-	ND	1.53	ND	ND	ND	ND	26000	7.88	V,S,P,M
06/18/1999	FMETL	-	ND	2.00	ND	ND	ND	ND	24700	2.94	V,S,P,M
08/10/1999	FMETL	-	ND	ND	ND	ND	ND	ND	3610	ND	V,S,P,M
11/15/1999	FMETL	-	ND	ND	ND	ND	ND	ND	15700	2.28	V,S,P,M
03/27/2000	FMETL	-	ND	ND	ND	ND	ND	ND	87700	ND	V,S,P,M
06/15/2000	FMETL	-	ND	ND	ND	ND	ND	ND	25000	ND	V,S,P,M
08/31/2000	FMETL	-	ND	ND	ND	ND	ND	ND	21500	2.29	V,S,P,M
11/09/2000	FMETL	11.15	ND	ND	ND	ND	ND	ND	44300	11.5	V,S,P,M
02/02/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	86700	34.2	V,S,P,M
02/02/2001D	FMETL	4.17	ND	ND	ND	ND	ND	ND	84100	35.7	V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 02/02/2001

NOTES:

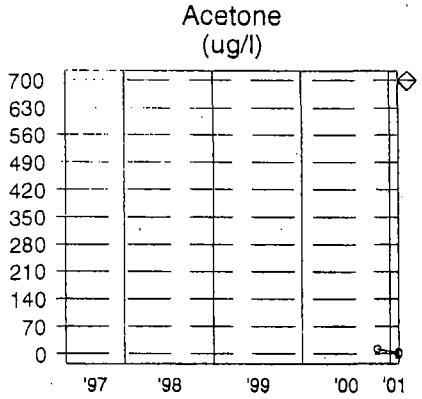
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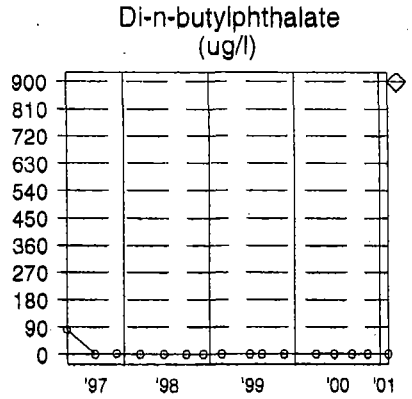
FORT MONMOUTH

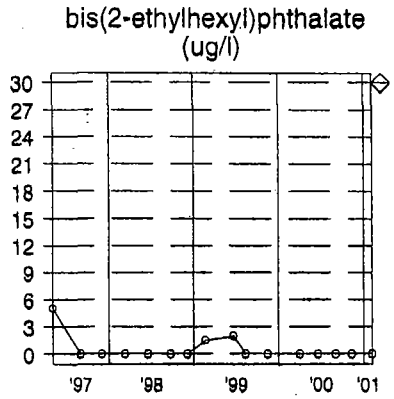
GW MONITORING
CW-6 Bldg. 2044

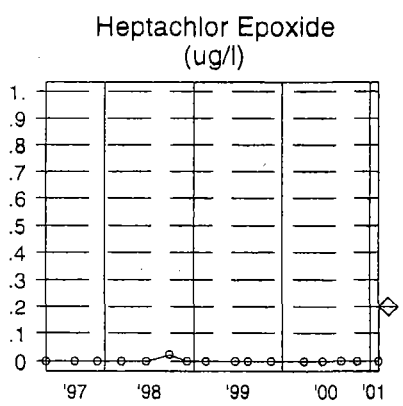
Source 2 of 4

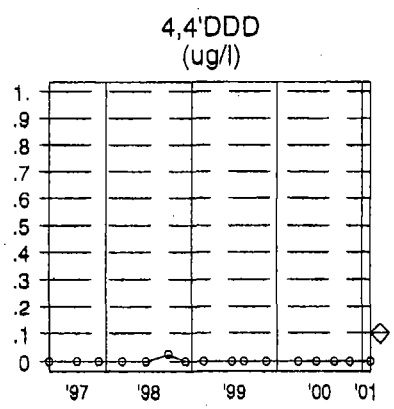
U.S.ARMY
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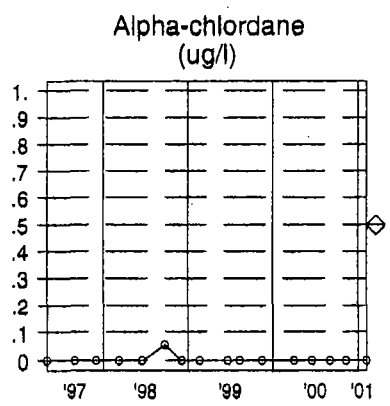


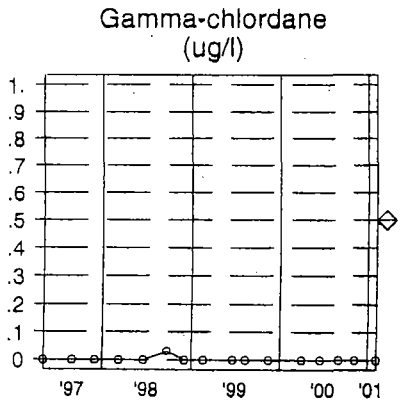


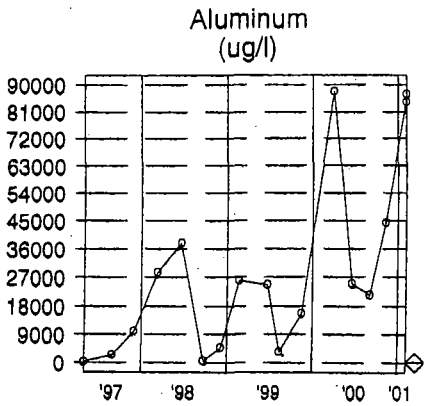


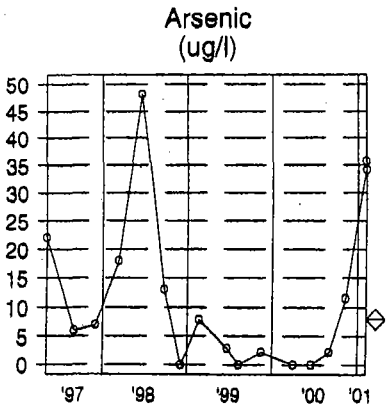












SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 02/02/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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Source 2 of 4, Graph

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02-21-2001 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Iron	Silver	Sodium	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	300	20	50000	-						-
04/30/1997	FMETL	76000	89	104500	3.03						V,S,P,M
08/29/1997	FMETL	7140	ND	48940	5.80						V,S,P,M
12/01/1997	FMETL	9940	ND	21000	4.10						V,S,P,M
03/05/1998	FMETL	21390	ND	30750	2.81						V,S,P,M
06/15/1998	FMETL	41540	ND	46240	3.06						V,S,P,M
09/22/1998	FMETL	5450	ND	22200	6.22						V,S,P,M
12/04/1998	FMETL	3500	ND	27700	6.51						V,S,P,M
02/17/1999	FMETL	17700	ND	57100	4.11						V,S,P,M
06/18/1999	FMETL	9570	ND	54500	5.93						V,S,P,M
08/10/1999	FMETL	2930	ND	32100	7.04						V,S,P,M
11/15/1999	FMETL	8610	ND	32700	5.00						V,S,P,M
03/27/2000	FMETL	28600	ND	32900	3.88						V,S,P,M
06/15/2000	FMETL	15400	24.2	47800	4.68						V,S,P,M
08/31/2000	FMETL	12500	ND	45200	4.86						V,S,P,M
11/09/2000	FMETL	34900	ND	56400	5.44						V,S,P,M
02/02/2001	FMETL	73400	ND	77400	3.09						V,S,P,M
02/02/2001D	FMETL	72800	ND	78800	3.09						V,S,P,M

SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 02/02/2001

NOTES:

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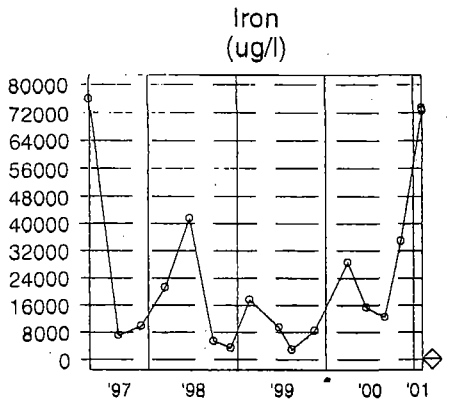
FORT MONMOUTH

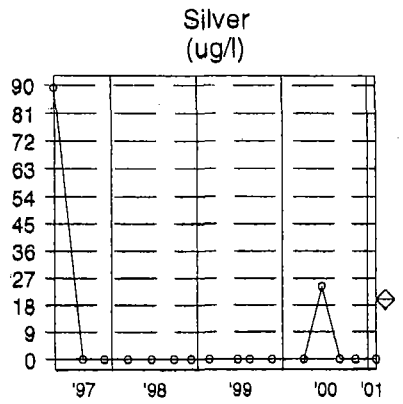
GW MONITORING
CW-6 Bldg. 2044

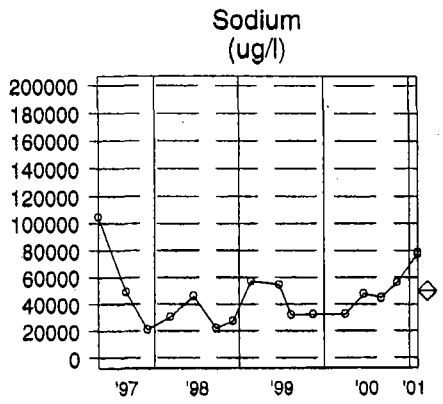
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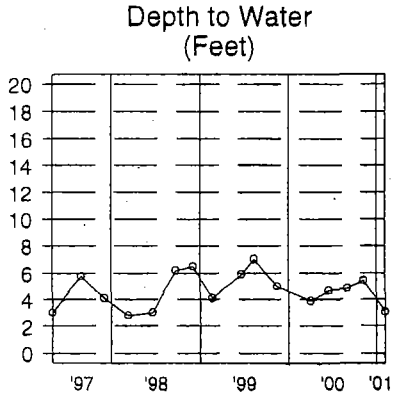


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SOURCE: 0CW6MW02

Sampling Dates:
04/30/1997 - 02/02/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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CW-6 Bldg. 2044

Source 2 of 4, Graph

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	Lab	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	8	300	20	50000	-				-
04/30/1997	FMETL	124	1.0	595	19	11000	3.90				V,S,P,M
08/29/1997	FMETL	292	ND	2490	ND	7090	6.50				V,S,P,M
12/01/1997	FMETL	293	ND	538	ND	11830	4.80				V,S,P,M
03/05/1998	FMETL	506	ND	848	ND	10780	3.32				V,S,P,M
06/15/1998	FMETL	335	ND	1165	ND	10860	3.98				V,S,P,M
09/22/1998	FMETL	934	ND	3600	ND	7320	7.15				V,S,P,M
12/04/1998	FMETL	425	ND	781	ND	8720	7.37				V,S,P,M
02/17/1999	FMETL	1050	ND	1110	ND	14300	4.73				V,S,P,M
06/18/1999	FMETL	950	ND	542	ND	11600	6.72				V,S,P,M
08/10/1999	FMETL	345	ND	451	ND	15100	7.75				V,S,P,M
11/15/1999	FMETL	408	ND	604	ND	12400	5.93				V,S,P,M
03/27/2000	FMETL	673	5.04	2360	ND	10800	4.73				V,S,P,M
06/15/2000	FMETL	165	ND	1010	ND	13800	6.47				V,S,P,M
08/31/2000	FMETL	308	ND	267	ND	15700	5.57				V,S,P,M
08/31/2000D	FMETL	894	ND	353	8.45	16700	5.57				V,S,P,M
11/09/2000	FMETL	429	ND	481	ND	11200	6.05				V,S,P,M
02/02/2001	FMETL	2250	ND	4530	ND	4900	3.91				V,S,P,M

SOURCE: 0CW6MW03

Sampling Dates:
04/30/1997 - 02/02/2001

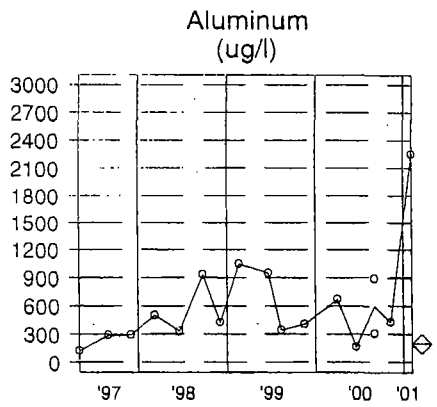
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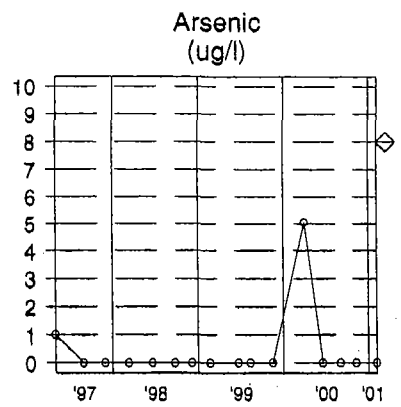
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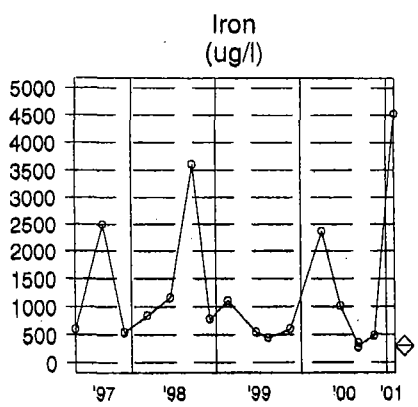
GW MONITORING
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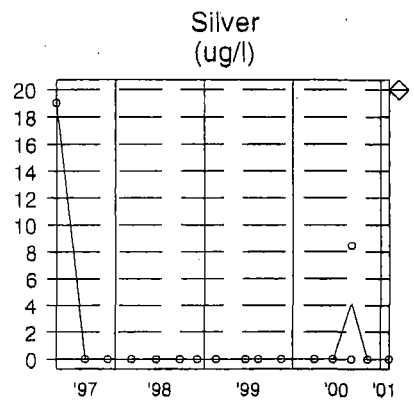
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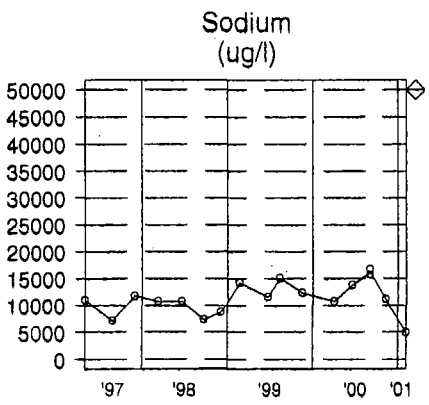
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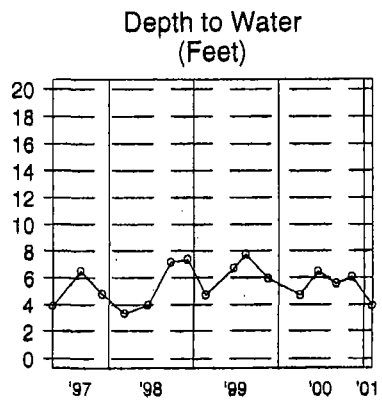












SOURCE: 0CW6MW03

Sampling Dates:
04/30/1997 - 02/02/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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CW-6 Bldg. 2044

Source 3 of 4, Graph

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SELFM-PW-EV

02-21-2001 x:\mtech46\fm\2044a\gw\2044.wsf

	Lab	Acetone	Aluminum	Arsenic	Iron	Silver	Sodium	Depth to Water			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	700	200	8	300	20	50000	-			-
04/30/1997	FMETL	-	48	2.0	2100	18	15500	3.75			V,S,P,M
09/02/1997	FMETL	-	120	1.0	1380	13	16570	4.90			V,S,P,M
12/01/1997	FMETL	-	348	ND	652	ND	15500	4.25			V,S,P,M
03/05/1998	FMETL	-	385	ND	2212	ND	15940	3.78			V,S,P,M
06/15/1998	FMETL	-	204	ND	2624	ND	15380	5.54			V,S,P,M
09/22/1998	FMETL	-	360	6	9030	ND	16300	6.31			V,S,P,M
12/04/1998	FMETL	-	434	ND	2280	ND	14400	6.01			V,S,P,M
02/17/1999	FMETL	-	345	ND	2640	ND	18800	4.23			V,S,P,M
06/18/1999	FMETL	-	419	2.71	5350	ND	19400	6.28			V,S,P,M
08/10/1999	FMETL	-	522	2.89	4940	ND	20600	7.12			V,S,P,M
11/15/1999	FMETL	-	215	ND	1390	ND	19400	4.91			V,S,P,M
03/27/2000	FMETL	-	285	ND	2920	ND	12100	4.11			V,S,P,M
03/27/2000D	FMETL	-	294	ND	2980	ND	12000	4.11			V,S,P,M
06/15/2000	FMETL	-	365	ND	5560	ND	19000	4.80			V,S,P,M
08/31/2000	FMETL	-	391	ND	1960	ND	21300	6.20			V,S,P,M
11/09/2000	FMETL	ND	510	ND	4920	ND	21800	5.33			V,S,P,M
11/09/2000D	FMETL	3.28	515	ND	5320	ND	22700	5.33			V,S,P,M
02/02/2001	FMETL	ND	245	ND	3770	ND	19100	3.77			V,S,P,M

SOURCE: 0CW6MW34

Sampling Dates:
04/30/1997 - 02/02/2001

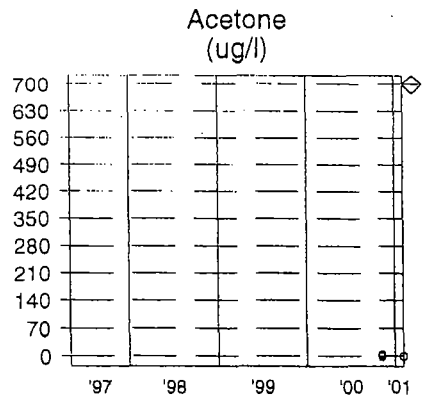
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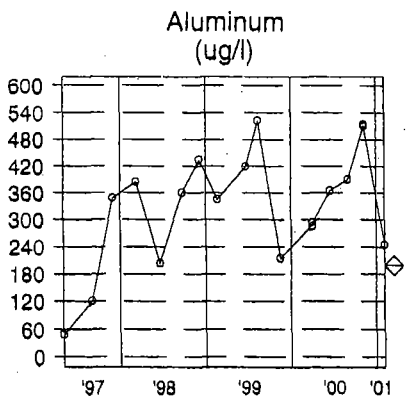
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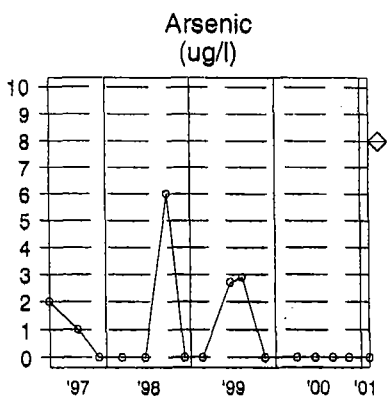
GW MONITORING
CW-6 Bldg. 2044

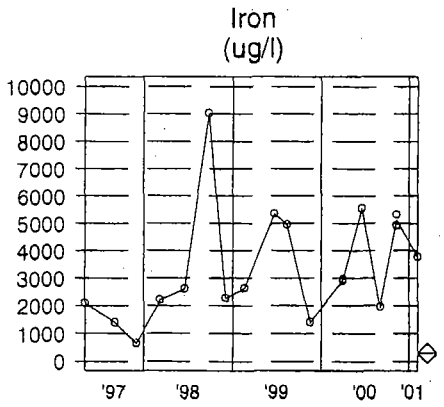
Source 4 of 4

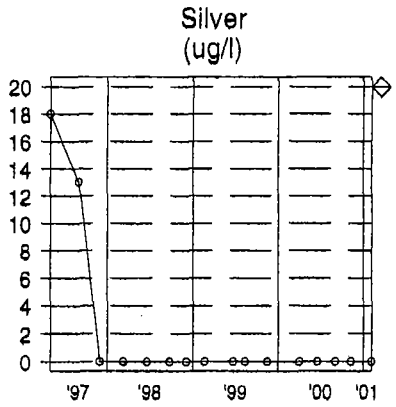
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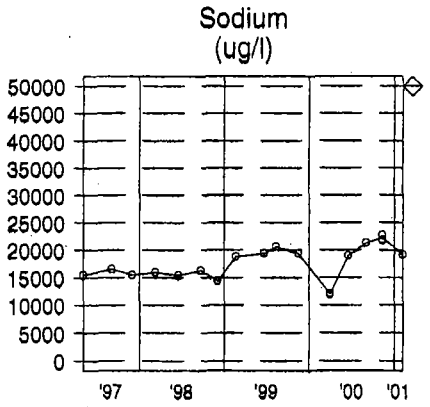


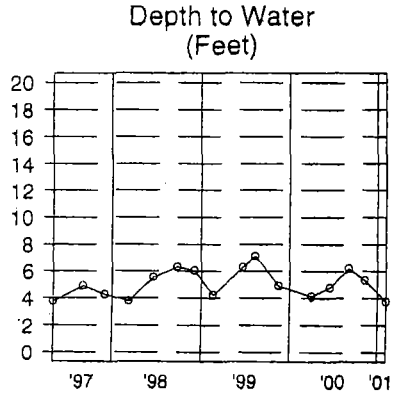












SOURCE: 0CW6MW34

Sampling Dates:
04/30/1997 - 02/02/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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CW-6 Bldg. 2044

Source 4 of 4, Graph

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